
From: Medical Records [B6]
To: Jones, Jennifer L
Sent: 4/20/2018 9:18:30 PM
Subject: [B6] records
Attachments: [B6] records.pdf

See Attached

Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
4/12/2018	C	B6	MEDICAL COMMENTS ***ADDENDUM 4/20/2018 4/12/2018 13:26 FDA Safety Reporting Portal - Individual Case Safety Report Number (ICSR) 2045676 ADDENDUM on 4/20/2018 at 08:34:23 from B6 B6 permission signed and returned to B6
3/24/2018	P	B6	B6
3/24/2018	C	B6	PHARMACY NOTE TTO. Meds have been refilled
3/24/2018	P	B6	B6
3/22/2018	C	B6	COMMUNICATIONS WITH CLIENT 3/22/2018 13:03 dog is restless at night, making breathing sound, but sRR is consistently at 22 brpm, so i do not think do has pulmonary edema, will try B6 recheck in end of april B6

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B6

Patient History Report

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Date	Type	Staff	History
3/13/2018	C	B6	COMMUNICATIONS WITH CLIENT 3/13/2018 10:36 SWO - Owner consented to reporting B6 case to the FDA. He has been on the Zignature Kangaroo for the past 2-3 years. Treats include Milkbones and baked dog treats from pet bakery. Prior to the Zignature Kangaroo, he consumed the Acana Ranch Lamb, Natural Balance Sweet Potato and Bison, Natural Balance Sweet Potato and Fish, Zignature Trout & Salmon. He was receiving no supplements prior to his DCM diagnosis. Owner will forward me a copy of her most recent Chewy.com receipt for the Zignature. She does not have the bag anymore. I will email her for additional information. She is now feeding the Royal Canin Kangaroo and Oats.
3/1/2018	D	B6	Taurine Deficiency Final
3/1/2018	C	B6	COMMUNICATIONS WITH DOCTOR 3/1/2018 13:22 i called vet, to let them know taurine is low, she is still on kangaroo diet from Zignature, rec to change diet. The legumes in diet are most likely preventing methionine and cystine absorption, should switch to Royal Canin kangaroo and oats, i originally lm and he called back. he said he would call owner
3/1/2018	C	B6	COMMUNICATIONS WITH CLIENT 3/1/2018 13:20 i called client to let her know taurine is low, she is still on kangaroo diet from Zignature, rec she talk to her vet at last appt, and she did to day at a recheck, and told her to wait. The legumes in diet are most likely preventing methionine and cystine absorption, should switch to Royal Canin kangaroo and oats, I will call her vet.
2/27/2018	C	B6	COMMUNICATIONS WITH CLIENT 2/27/2018 11:03 i called owner, dog is breathing better, eating fine, getting sRR 18-26, did have throat issues, does gagging, pred helped, increased pred again, continue as planned, waiting on taurine level. if norma will stat B6
2/24/2018	L	B6	Miscellaneous results from B4, B6

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(East) Requisition ID: B4, B6 Posted Final
 Asc: B6 Profile: Taurine RE: 16759 Taurine B6
 Normal Values (nmols/ml)

			Normal Range	Critical
Level				
Cat	Plasma		60-120	Less than
B6				
	Whole Blood		300-600	Less than
B6				
Dog	Plasma		60-120	Less than
B6				
	Whole Blood		200-350	Less than
B6				

TEST PERFORMED AT B4, B6 LABORATORY

2/23/2018 C

B6

PHARMACY NOTE

B6

2/23/2018 D
 2/23/2018 D
 2/23/2018 D
 2/23/2018 I

B6

Pulmonary Edema Tentative
 Taurine Deficiency Tentative Date Diagnosis made final: 03/01/18
 Dilated Cardiomyopathy Tentative
 Cardiology Discharge Instructions
B6
 2/23/2018

A cardiologist has evaluated B6 and has diagnosed her with Dilated Cardiomyopathy (DCM). DCM means your pet has poor muscle contraction of the heart. This means the heart muscle does not pump as well as a normal dog. The heart has enlarged due to the poor muscle contraction. The change in the heart has caused fluid to form in the lungs, causing increased respiratory rate.

Please take a sleeping respiratory rate (sRR) at home. WHILE YOUR PET IS SLEEPING, count the number of times they breathe in over 15 seconds. Your pet should have 8 breathes or less over 15 seconds while sleeping. Do this once a day over the next 3 days, then 2 times a week thereafter.

The free app software for iPhone and Google Play that can help with this is Cardalis

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I have submitted blood for a taurine level. The result may not return for 2 weeks. In the mean time, please start Taurine at home, 2 gram two times a day with food. This can be purchased at any health food store. I will call in about 2 weeks with a taurine level.

MEDICATIONS:

B6

Watch for the following clinical signs and call a veterinarian if you see any of these:
Excessive panting or wheezing
Restlessness, unable to get comfortable
Decreased appetite
Lethargy/weakness, less interactive or hiding
Collapse or fainting
Sudden rear leg or front leg lameness
Open-mouth breathing

It has been a pleasure meeting you and caring for your **B6**. Thank you for entrusting us with her care. If you have any further questions or problems, don't hesitate to call.

2/23/2018 P

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2/23/2018 P

B6

B6

2/23/2018 C

B6

CARDIAC EVALUTION - CLOSED 02/24/2018 - Cardiac Evaluation

Date of evaluation: Friday, February 23, 2018

CHIEF COMPLAINT: tachypnea

HISTORY: last 3 days has been working hard to breath. No coughing. Appetite has been poor last 2 days, usually ravenous. Energy level seems down. No cardiac medications **B6** for over year, Tried **B6** medication but stopped it, did not help. Has long history of **B6** sorder.

B6

COMMENTS: dilated LV with poor systolic function. Left atrial enlargement. Large EPSS. Moderate MR and TR. Reduce aortic and pulmonic flows. no pleural or pericardial effusion

DIAGNOSIS/PROBLEM LIST: dilated cardiomyopathy (DCM), left side congestive heart failure (LCHF)

SUMMARY: The dilated cardiomyopathy may be related to diet and taurine deficiency. There have been personal communications amongst cardiologist of a rash of cases of Golden Retrievers on grain free and/or kangaroo diets that have taurine deficiency cardiomyopathy. We pulled a whole blood level taurine today and started **B6** I also started **B6** If taurine deficiency

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cardiomyopathy, this could be reversible. It could take 2 months to see echo changes, but dog may feel better within a month. Recheck echocardiogram in 2 months. We should recheck a taurine level in 2 weeks. They will most likely do that with **B6**

MEDICATIONS:

B6

2/23/2018 V

B6

Feb 23, 2018 01:06 PM Staff: **B6**

Weight : 40.00 kilograms
room 14

2/23/2018 CK

B6

CHF poss, setup by rdvm

Reason for Visit: Consult

Date Patient Checked Out: 02/23/18 Practice **B6**

2/23/2018 CB

B6

Callback - Call Client Back **B6**

--- Note from **B6** y on 2/23/2018 at 15:51:32 ---

Called Wedgewood Pharmacy, spoke to **B6**

--- Note from **B6** on 2/23/2018 at 15:06:34 ---

B6

2/22/2018 TC

B6

RECORDS FROM **B6** (see attachment) - TENTATIVE

2/22/2018 14:47 rDVM records attached. - Attachment(s)

3/10/2017 C

B6

COMMUNICATIONS WITH CLIENT

3/10/2017 10:26

B6

3/8/2017 L

Endocrinology results from **B4, B6**

(East) Requisition ID: 315958 Posted Final

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Sex: Neutered Male

Date Type Staff History

Test Result Reference Range
TSH **B6** ng/mL 0 - 0.60
Asc: **B6** Profile: TSH

3/7/2017 G **B6** RADIOLOGY REVIEW - CLOSED 03/08/2017

B6

This review was written by **B6** DVM, DACVR, DACVS

3/7/2017 V

Mar 7, 2017 04:21 PM Staff: **B6**

Weight : 41.40 kilograms

3/7/2017 CK

B6

recheck for ESO
Reason for Visit: Recheck
Date Patient Checked Out: 03/07/17 Practice TF

3/7/2017 C

IM PHYSICAL EXAM NEW
3/7/2017 10:10

Chief Complaint: reevaluation of hard swallowing; upper airway noise

History **B6** was originally evaluated in 2015 for **B6**. A laryngeal exam at that time revealed a nodule on the larynx which was biopsied as granulomatous. He has been on low dose **B6** since. Owner still notices **B6**. He also has upper airway noise when sleeping- breathes through nose and no nasal discharge. Occasional hoarse bark. No diarrhea, no pu/pd. He has gained weight. In 2015 a **B6** titer was negative. Diet includes zignature kangaroo. unsure of current dose of pred 1 tab in morning and sometimes 1/2 tab at night unsure what strength

Previous Medical Problems:

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Species: Canine
Age: **B6**
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Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
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Medications/Supplements:

Current Diet:

B6

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Date	Type	Staff	History
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Plan/Recommendations:

3/7/2017 L

Hematology results from B6 Requisition ID: 315958	
Test	Result
HCT	36 - 60
HGB	12.1 - 20.3
MCHC	30 - 38
WBC	4.0 - 15.5
Bands	0 - 3
RBC	4.8 - 9.3
MCV	58 - 79
MCH	19 - 28
ABS BASO	0 - 150
Platelet C	170 - 400
Platelet E	
Neutrophil	60 - 77
Lymphocyte	12 - 30
Monocytes	3 - 10
Eosinophil	2 - 10
Basophils	0 - 1
Absolute N	2060 - 10600
Absolute L	690 - 4500
Absolute M	0 - 840
Absolute T	0 - 1200
Ascn	B6 Profile: Complete Blood Count

Platelet count reflects the minimum number due to platelet clumping.

3/7/2017 L

Chemistry results from B6 Requisition ID: 315958	
Test	Result
ALB	2.7 - 4.4
ALKP	5 - 131
ALT	12 - 118
AMYL	290 - 1125
AST	15 - 66
BUN/UREA	6 - 31
Ca	8.9 - 11.4
Chloride	102 - 120
CHOL	92 - 324
CK	59 - 895
CREA	0.5 - 1.6
GGT	1 - 12

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Date Type Staff History

GLU		70 - 138
Mg		1.5 - 2.5
PHOS		2.5 - 6.0
Potassium		3.6 - 5.5
Sodium		139 - 154
TBIL		0.1 - 0.3
TP		5.0 - 7.4
TRIG		29 - 291
GLOB		1.6 - 3.6
A/G Ratio		0.8 - 2.0
B/C Ratio		4 - 27
Na/K Ratio		27 - 38

B6

3/7/2017 L

Endocrinology results from **B6**
(East) Requisition ID: 315958 Posted Final
Test Result Reference Range
T4 **B6** 0.8 - 3.5
Asc: **B6** Profile: Total T4

The Total T4 result is less than 1.0 mcg/dl. A Free-T4 by equilibrium dialysis may be helpful in supporting the diagnosis of hypothyroidism in patients demonstrating clinical signs compatible with hypothyroidism. Please contact Customer Service for this additional testing.

3/7/2017 L

Miscellaneous results from **B6**
(East) Requisition ID: 315958 Posted Final
Asc: **B6** Profile: Superchem

B6

3/6/2017 C

B6

COMMUNICATIONS WITH CLIENT
3/6/2017 12:55
sto confirmed appt w **B6**@ 330 on 3/7

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Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
2/26/2017	C	B6	COMMUNICATIONS WITH CLIENT 2/26/2017 10:15 LMOM to confirm 3:30 pm ESO appt tomorrow
2/23/2017	TC		RECORDS FROM RDVM/LDVM (see attachment) - TENTATIVE 2/23/2017 20:36 Records from B6 Attachment(s)
2/23/2017	C		COMMUNICATIONS WITH DOCTOR 2/23/2017 17:18 B6 to request updated records from 5/3/15 forward be faxed
2/20/2016	C		RECEPTION ACTIONS NOTE faxed ref letters and labs to B6 per o's req
9/28/2015	C		OUTSIDE PHARMACY RX ***ADDENDUM 10/2/2015 - Closed Sep 30/2015 Rx #: 0172
			B6
Is this medication a controlled substance?			

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9/28/2015	C		
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6/1/2015	C		
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Color: Blonde

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Sex: Neutered Male

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6/1/2015 C

COMMUNICATIONS WITH CLIENT
6/1/2015 16:05
within the last 3 days stopped doing the neck movement/episodes that he was having. still sounds congested. when he barks there sounds like there is something in there. would continue **B6** unless we are planning to rescope him. owner needs refill of **B6** will touch base in 1-2 wks.

5/17/2015 C

COMMUNICATIONS WITH CLIENT
5/17/2015 10:26
swo and asked how **B6** is doing, owner said she started ab's yesterday and so far he is doing well, owner will recheck in one week

5/15/2015 C

B6

OUTSIDE PHARMACY RX - Closed May 17/2015

B6

5/15/2015 C

OUTSIDE PHARMACY RX

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5/15/2015	C		B6
5/12/2015	C		

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5/8/2015	L		
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5/7/2015	I		
5/7/2015	C		B6
5/7/2015	C		

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5/7/2015	C		
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5/7/2015	C		
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5/7/2015 L

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5/7/2015 V

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5/7/2015 L

B6

B6

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

B6

Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

B6

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

B6

Page 22 of 30

Date: 4/20/2018 5:17 PM

Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

5/3/2015 C

B6

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

B6

Page 23 of 30

Date: 4/20/2018 5:17 PM

Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
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5/3/2015	CK		
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11/21/2014	C		
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11/14/2014	CK		
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5/31/2014	C		
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B6

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

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Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

5/31/2014 C

5/31/2014 L

B6

5/31/2014 L

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

B6

Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blondé

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

<h1>B6</h1>			
5/31/2014	L		
5/31/2014	L		
5/30/2014	C		

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

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Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

B6

5/30/2014 C

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Patient History Report

Client:
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Address:

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Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

5/30/2014	C		
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B6

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Patient History Report

Client:
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Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

5/30/2014 I

5/30/2014 V

5/30/2014 V

5/30/2014 CK

5/30/2014 L

5/29/2014 C

B6

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

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Patient History Report

Client:
Phone:
Address:

B6

Patient: **B6**
Species: Canine
Age: **B6**
Color: Blonde

Breed: Retriever, Golden
Sex: Neutered Male

Date	Type	Staff	History
------	------	-------	---------

5/27/2014 C

5/27/2014 C

B6

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B6

From: Jones, Jennifer L </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0F6CA12EAA9348959A4CBB1E829AF244-JENNIFER.JO>
To: Peloquin, Sarah; Rotstein, David; Carey, Lauren; Palmer, Lee Anne; Queen, Jackie L
CC: Reimschuessel, Renate; Ceric, Olgica
Sent: 10/5/2018 1:11:59 PM
Subject: RE: 800.267 EON-363773; [B6] Zignature Kangaroo

This aligns with the trend seen by Darcy Adin and others.

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Peloquin, Sarah
Sent: Friday, October 05, 2018 9:04 AM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Queen, Jackie L <Jackie.Queen@fda.hhs.gov>
Cc: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>
Subject: 800.267 EON-363773; [B6] Zignature Kangaroo

Owner interview pending
Limited prior mrx

Great case—at dx, changed diet and started tau supp; no echo improvement after 3 months, so stopped [B6] supp. After 6 months, significant echo improvement just with diet!

[B6] – 5 yr FS American Bulldog
Prior Mhx: food allergies so on Kangaroo since 1 year old; [B6] chronic [B6] [B6] h/o [B6] and [B6] injections; elevated [B6] 3/3/2018, creat/BUN/UA norm, [B6] [B6] UPC

3/14/18: coughing, incr shallow breathing, vomiting food EOD; tachypnea on exam, no murmur; rads à VHS 12.5-13, enlarged cardiac silhouette, pulmonary edema; [B6] rec referral for cardio workup
3/15/18: cardio consult; [B6]; rads à globoid cardiomeg, VHS [B6] heavy interstitial pattern caudal lungs; neg tick titers, [B6]; echo à globally thin-walled, dilated hypocontractile heart; sev generalized cardiomeg; mod MV insuff; [B6] dx DCM with LCHF; [B6] [B6] change diet

3/15/18: after cardio, rdvm visit for hematuria; rads à no cystoliths; UA TNTC RBCs, [B6], cocci; [B6] [B6]

3/20/18: [B6] doing ok, decr [B6]

3/30/18: recheck BW rdvm, CBC norm, [B6], [B6] tolerating meds well

4/3/18: found out that tau and L-carn samples taken 3/15 were discarded by lab and never ran at UCD; since already on tau supp, do not rec re-test

4/24/18: coughing at home, other dog coughing and responded to tx; lungs ausc wnl, declined rads. Suspect [B6] and cough tabs tgh (resolved w/ [B6])

6/6/18: cardio recheck; doing well at home; echo à overall stable from last visit, no improvement; rec discontinuing tau supp since tau deficiency unlikely; cont other meds

9/5/18: cardio recheck; doing great at home; echo à sig improvement! residual global cardiomegaly, improved systolic funct, FS incr to [B6] BW wnl (SDMA [B6]); rec decr [B6] r/o diet-responsive DCM; recheck echo in January

From: PFR Event <pfpreventcreation@fda.hhs.gov>

Sent: Wednesday, August 29, 2018 3:43 PM

To: Cleary, Michael * <Michael.Cleary@fda.hhs.gov>; HQ Pet Food Report Notification <HQPetFoodReportNotification@fda.hhs.gov>

Subject: Zignature Kangaroo and Lentil: [REDACTED] ON-363773

A PFR Report has been received and PFR Event [EON-363773] has been created in the EON System.

A "PDF" report by name "2054439-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

EON Key: EON-363773

ICSR #: 2054439

EON Title: PFR Event created for Zignature Kangaroo and Lentil; 2054439

AE Date	03/15/2018	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Bulldog - American		
Age	[REDACTED] Years		
District Involved	PFR [REDACTED] DO		

Product information

Individual Case Safety Report Number: 2054439

Product Group: Pet Food

Product Name: Zignature Kangaroo and Lentil

Description: On Zignature Kangaroo/lentil diet x 3.5 years. Developed severe dilated cardiomyopathy with congestive heart failure

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Zignature Kangaroo and Lentil		

Sender information

[REDACTED]

USA

Owner information

B6

USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-363773>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jsps?decorator=none&e=0&issueType=12&issuelid=380507>

=====
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Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to FDAREportableFoods@fda.hhs.gov immediately.

From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; B6
Sent: 10/8/2018 6:44:41 PM
Subject: Rawz meal free dry food limited recipe wild salmon dry: Lisa Freeman - EON-367845
Attachments: 2055793-report.pdf; 2055793-attachments.zip

A PFR Report has been received and PFR Event [EON-367845] has been created in the EON System.

A "PDF" report by name "2055793-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2055793-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-367845

ICSR #: 2055793

EON Title: PFR Event created for Rawz meal free dry food limited recipe wild salmon dry; 2055793

AE Date	10/04/2018	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Mixed (Dog)		
Age	10 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2055793

Product Group: Pet Food

Product Name: Rawz meal free dry food limited recipe wild salmon dry

Description: DCM and atrial fibrillation diagnosed 10/5/18

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Rawz meal free dry food limited recipe wild salmon dry		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6

USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-367845>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspa?decorator=none&e=0&issueType=12&issueId=384767>

=====

This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

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Withheld in Full as B6

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 12/3/2018 2:49:05 PM
Subject: RE: updates (Nault)

Also [B6] died in her sleep [B6]
Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Freeman, Lisa
Sent: Sunday, December 02, 2018 8:16 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: updates

Hi Jen
Attached are follow up echoes on 2 of the cases I reported.

[B6]

I have a bunch of new ones to report that I'll submit asap
Thanks
lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 1/17/2019 4:33:38 PM
Subject: update [B6] (previously submitted case)
Attachments: cardio discharge [B6] 1-16-19.pdf; cardio report [B6] 1-16-19.pdf

Changed diet so now only feeding Purina Pro Plan Chicken (no longer feeding Pro Plan lamb)
No improvement

Client:

B6

Address:

All Medical Records

Patient:

B6

Breed:

Golden Retriever

DOB:

B6

Species: Canine

Sex: Male

Home Phone:
Work Phone:
Cell Phone:

B6

Referring Information

B6

Client:

B6

Patient:

Initial Complaint:

Scanned Record

Initial Complaint:

New - Rush - DCM study - DCM/CHF

SOAP Text Dec 28 2018 3:56PM - Rush, John

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
Patient: **B6**

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
North Grafton, MA 01536
(508) 839-5395

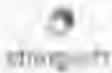
Client: **B6**
Veterinarian:
Patient ID: **B6**
Visit ID:

Patient:	B6
Species:	Canine
Breed:	Golden Retriever
Sex:	Male
Age:	B6 Years Old

Lab Results Report

Accession ID:

Test	Results	Reference Range	Units
------	---------	-----------------	-------



Client: **B6**
Patient:

B6 records

B6

Client:
Patient:

B6

B6

records

B6

Client:
Patient:

B6

B6

records

B6

Client: **B6**
Patient:

B6 records

B6

Client: **B6**
Patient:

B6 records

B6

Client:
Patient:

B6

B6 records

B6

Client: **B6**
Patient:

B6 records

B6

Client:
Patient:

B6

IDEXX BNP - 12/2018

B6

Client: **B6**
Patient:

CBC/Chem - 12/28/2018

B6

Client: **B6**
Patient:

CBC/Chem - 12/28/2018

B6

Client: **B6**
Patient:

IDEXX BNP - 12/29/2018

B6

Client:
Patient:

B6

Diet history 12/28/18

B6

Client: **B6**
Patient: **B6**

Vitals Results

12/28/2018 2:56:07 PM
12/28/2018 3:56:29 PM

B6

B6

Client: **B6**
Patient:

ECG from Cardio

B6

Client: **B6**
Patient:

ECG from Cardio

B6

Client: **B6**
Patient:

ECG from Cardio

B6

Client: **B6**
Patient:

Patient History

12/26/2018 05:23 PM	Appointment
12/27/2018 12:23 PM	Appointment
12/27/2018 12:24 PM	Appointment
12/28/2018 02:31 PM	UserForm
12/28/2018 02:35 PM	UserForm
12/28/2018 02:56 PM	Vitals
12/28/2018 03:02 PM	Treatment
12/28/2018 03:02 PM	Purchase
12/28/2018 03:39 PM	UserForm
12/28/2018 03:51 PM	Purchase
12/28/2018 03:51 PM	Purchase
12/28/2018 03:56 PM	Vitals
12/28/2018 04:40 PM	Prescription
12/28/2018 04:49 PM	Purchase
12/28/2018 04:49 PM	Email

B6

B6

B6

The owner of the above **B6** has granted me authority to obtain medical treatment and to bind the owner to pay the veterinary medical services provided at Cummings School pursuant to the terms and conditions described above.

Authorized Agent - Please Print

Agent's Signature

Street Address

Date

Town/City

State

Zip

Discharge Instructions

Patient:

Owner:

B6

Attending Cardiologist:

John E. Bush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student:

B6

Admit Date: 12/28/2018 2:27:13 PM

Discharge Date: 12/28/2018

Diagnosis: Dilated cardiomyopathy (DCM) with congestive heart failure

B6

B6

B6

Please visit our HeartSmart website for more information.

<http://vet.bu.edu/heartsmart/>

Prescription Refill Disclaimers:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (609-817-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new drug or treatment. Please see our website: vet.bu.edu/heart/clinical-studies

B6

Discharge instructions

B6

Cardiology Appointment Report

Date: 12/28/2018

Attending Cardiologist:

John F. Rush, DVM, MS, DACVIM (Cardiology), DACVECC (Intensive)

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student:

B6

Presenting Complaint: B6 is here today to be enrolled in the DCM Grain-Free study. You started to notice that 3-4 weeks ago he started to get thinner. Around the same time he started to cough and have difficulty breathing intermittently. Last Thursday, B6 went to the veterinarian who did a physical exam and ran a heartworm test and saw that his heart was enlarged. B6 went to B6 and was admitted for CHF on Thursday and came home on Saturday. Since being discharged, B6 appetite has been better and he has coughed less and had more energy. Toby lives with one other dog.

Concurrent Diseases: No previous medical concerns.

General Medical History: B6 is not on any flea tick or heartworm preventatives.

B6

B6

B6

Problems:

History of left and right-sided CHF.

Differential Diagnoses:

DCM (likely - prior BEG diet)

CVD

Heartworm disease

Diagnostic plan:

- Echocardiogram
- Chemistry profile
- ECG
- Fecal profile
- Blood pressure

- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests

B6

Mitral inflow:

- Summated
- Normal

- Pseudonormal
- Restrictive

B6

Assessment and recommendations:

Findings consistent with advanced DCM with likely active congestive heart failure. Simpson and sphericity index revealed advanced LV dilation and enlarged LA are consistent with advanced DCM. Elevated HR can be related to high sympathetic tone induced by CHF and/or excitement. As patient has history of BEG diet, was enrolled in the DCM-Diet study.

B6

B6

Final Diagnosis:

- Dilated cardiomyopathy - r/o primary vs. diet induced.
- Congestive heart failure.
- Sinus tachycardia.

Heart Failure Classification Score:

ISACH Classification:

- | | |
|-----------------------------|--|
| <input type="checkbox"/> Ia | <input checked="" type="checkbox"/> IIIa |
| <input type="checkbox"/> Ib | <input type="checkbox"/> IIIb |
| <input type="checkbox"/> II | |

ACVIM Classification:

- | | |
|-----------------------------|---------------------------------------|
| <input type="checkbox"/> A | <input checked="" type="checkbox"/> C |
| <input type="checkbox"/> B1 | <input type="checkbox"/> D |
| <input type="checkbox"/> B2 | |

M-Mode

IVSd

LVlDd

LVPWd

IVSs

LVlDs

LVPWs

EDV(Teich)

ESV(Teich)

EF(Teich)

%FS

SV(Teich)

Ao Diam

LA Diam

LA/Ao

Max LA

Ao Diam

LA Diam

LA/Ao

EPSS

M-Mode Normalized

IVSdN

LVlDdN

LVPWdN

IVSsN

LVlDsN

LVPWsN

Ao Diam N

LA Diam N

ZD

SA LA

Ao Diam

SA LA / Ao Diam

IVSd

LVlDd

LVPWd

EDV(Teich)

IVSs

LVlDs

LVPWs

ESV(Teich)

EF(Teich)

%FS

SV(Teich)

LV Major

LV Minor

Sphericity Index



cm

cm

cm

cm

cm

cm

ml

ml

%

%

ml

cm

cm

cm

cm

cm

cm

cm

cm

(0.290 - 0.570) I

(1.350 - 1.730) I

(0.330 - 0.530)

(0.430 - 0.710)

(0.790 - 1.140) I

(0.530 - 0.780)

(0.680 - 0.890)

(0.640 - 0.900) I

cm

cm

cm

cm

cm

ml

cm

cm

cm

ml

%

%

cm

cm

cm

LVld LAX
LVAd LAX
LVEDV A-L LAX
LVEDV MOD LAX
LVls LAX
LVAs LAX
LVESV A-L LAX
LVESV MOD LAX
HR
EF A-L LAX
LVEF MOD LAX
SV A-L LAX
SV MOD LAX
CO A-L LAX
CO MOD LAX
LA Area

Doppler
MR Vmax
MR maxPG
E'
A'
AV Vmax
AV maxPG
PV Vmax
PV maxPG
TR Vmax
TR maxPG

B6

cm
cm
ml
ml
cm
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ml
BPM
%%
ml
ml
l/min
l/min
cm

m/s
mmHg
m/s
m/s
m/s
mmHg
m/s
mmHg
m/s
mmHg

From: Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>
To: Jones, Jennifer L; Palmer, Lee Anne; Carey, Lauren
CC: Peloquin, Sarah
Sent: 1/30/2019 1:43:47 PM
Subject: Re: Lisa Freeman Case- B6

I'll take a look!!!

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Date: January 30, 2019 at 8:36:10 AM EST
To: Rotstein, David <David.Rotstein@fda.hhs.gov>, Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: Lisa Freeman Case- B6

Can you please forward this complaint? The dog died and we're going to do a necropsy if possible. I can't seem to find it ☹

Jennifer L. A. Jones, DVM

Veterinary Medical Officer
U.S. Food & Drug Administration
Center for Veterinary Medicine
Office of Research
Veterinary Laboratory Investigation and Response Network (Vet-LIRN)
8401 Muirkirk Road, G704
Laurel, Maryland 20708
new tel: 240-402-5421
fax: 301-210-4685
e-mail: jennifer.jones@fda.hhs.gov
Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



From: Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS /CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>
To: Jones, Jennifer L; Palmer, Lee Anne; Carey, Lauren
Sent: 1/30/2019 1:45:13 PM
Subject: Fwd: 4Health grain=free beef and potato: Lisa Freeman - EON-375111
Attachments: 2060740-report.pdf; 2060740-attachments.zip

From: PFR Event <pfpreventcreation@fda.hhs.gov>

Date: January 1, 2019 at 4:32:40 PM EST

To: Cleary, Michael * <Michael.Cleary@fda.hhs.gov>, HQ Pet Food Report Notification <HQPetFoodReportNotification@fda.hhs.gov>, [REDACTED] **B6**

Subject: 4Health grain=free beef and potato: Lisa Freeman - EON-375111

A PFR Report has been received and PFR Event [EON-375111] has been created in the EON System.

A "PDF" report by name "2060740-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2060740-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-375111

ICSR #: 2060740

EON Title: PFR Event created for 4Health grain=free beef and potato; 2060740

AE Date	12/20/2018	Number Fed/Exposed	2
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Retriever - Golden		
Age	[REDACTED] Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2060740

Product Group: Pet Food

Product Name: 4Health grain=free beef and potato

Description: Weight loss x 3-4 weeks Coughing and dyspnea developed - too to ER [B6] where they did [B6] and suspected DCM. Started on [B6] and [B6] before we saw him Eating BEG diet. Taurine pending. Switched to new food. Will also try to evaluate other dog in their home eating the same diet (15 years old) Owners happy to provide additional info and have saved some of the food they've been feeding (4Health)

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 2

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
4Health grain=free beef and potato		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

[B6] USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-375111>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspa?decorator=none&e=0&issueType=12&issueId=392120>

=====

This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

This email message is intended for the exclusive use of the recipient(s) named above. It may contain information that is protected, privileged, or confidential. Any dissemination, distribution, or copying is strictly prohibited.

The information is provided as part of the Federal-State Integration initiative. As a Commissioned Official and state government official, you are reminded of your obligation to protect non-public information, including trade secret and confidential commercial information that you receive from the U.S. Food and Drug Administration from further disclosure. The information in the report is intended for situational awareness and should not be shared or acted upon independently. Any and all actions regarding this information should be coordinated through your local district FDA office.

Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to FDAREportableFoods@fda.hhs.gov immediately.

Client:

Address:

B6

All Medical Records

Patient:

B6

Breed:

Golden Retriever

DOB:

B6

Species: Canine

Sex: Male

Home Phone:

Work Phone:

Cell Phone:

B6

Referring Information

B6

Client:

Patient:

B6

Initial Complaint:

Scanned Record

Initial Complaint:

New - Rush - DCM study - DCM/CHF

SOAP Text Dec 28 2018 3:56PM - Rush, John

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
Patient: **B6**

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

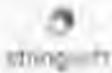
55 Willard Street
North Grafton, MA 01536
(508) 839-5395

Client:	B6
Veterinarian:	
Patient ID:	B6
Visit ID:	

Patient:	B6
Species:	Canine
Breed:	Golden Retriever
Sex:	Male
Age:	B6

Lab Results Report

Accession ID:			
Test	Results	Reference Range	Units



Client:
Patient:

B6

B6

records

B6

Client:
Patient:

B6

B6

records

B6

Client:
Patient:

B6

B6

records

B6

Client:
Patient:

B6

B6

records

B6

Client: **B6**
Patient:

B6 records

B6

Client:
Patient:

B6

B6

records

B6

Client: **B6**
Patient:

B6 records

B6

Client:
Patient:

B6

B6 records

B6

Client: **B6**
Patient:

B6 records

B6

Client:
Patient:

B6

B6 records

B6

Client: **B6**
Patient:

B6 records

B6

Client: **B6**
Patient:

IDEXX BNP - 12/2018

B6

Client:
Patient:

B6

CBC/Chem - 12/28/2018

B6

Client: **B6**
Patient:

CBC/Chem - 12/28/2018

B6

Client: **B6**
Patient:

IDEXX BNP - 12/29/2018

B6

Client:
Patient:

B6

Diet history 12/28/18

B6

Client:
Patient:

B6

Vitals Results

12/28/2018 2:56:07 PM
12/28/2018 3:56:29 PM

B6

B6

Client:
Patient:

B6

ECG from Cardio

B6

Client: **B6**
Patient:

ECG from Cardio

B6

Client: **B6**
Patient:

ECG from Cardio

B6

Client: **B6**
Patient:

Patient History

12/26/2018 05:23 PM	Appointment
12/27/2018 12:23 PM	Appointment
12/27/2018 12:24 PM	Appointment
12/28/2018 02:31 PM	UserForm
12/28/2018 02:35 PM	UserForm
12/28/2018 02:56 PM	Vitals
12/28/2018 03:02 PM	Treatment
12/28/2018 03:02 PM	Purchase
12/28/2018 03:39 PM	UserForm
12/28/2018 03:51 PM	Purchase
12/28/2018 03:51 PM	Purchase
12/28/2018 03:56 PM	Vitals
12/28/2018 04:40 PM	Prescription
12/28/2018 04:49 PM	Purchase
12/28/2018 04:49 PM	Email

B6

M-Mode

IVSd
LVlDd
LVPWd
IVSs
LVlDs
LVPWs
EDV(Teich)
ESV(Teich)
EF(Teich)
%FS
SV(Teich)
Ao Diam
LA Diam
LA/Ao
Max LA
Ao Diam
LA Diam
LA/Ao
EPSS

B6

cm
cm
cm
cm
cm
ml
ml
%

M-Mode Normalized

IVSdN
LVlDdN
LVPWdN
IVSsN
LVlDsN
LVPWsN
Ao Diam N
LA Diam N

B6

(0.290 - 0.570) !
(1.350 - 1.730) !
(0.330 - 0.530)
(0.430 - 0.710)
(0.790 - 1.140) !
(0.530 - 0.780)
(0.680 - 0.890)
(0.640 - 0.900) !

ZD
SA LA
Ao Diam
SA LA / Ao Diam
IVSd
LVlDd
LVPWd
EDV(Teich)
IVSs
LVlDs
LVPWs
ESV(Teich)
EF(Teich)
%FS
SV(Teich)
LV Major
LV Minor
Sphericity Index

cm
cm
cm
cm
cm
ml
cm
cm
%

LVld LAX
LVAd LAX
LVEDV A-L LAX
LVEDV MOD LAX
LVls LAX
LVAs LAX
LVESV A-L LAX
LVESV MOD LAX
HR
EF A-L LAX
LVEF MOD LAX
SV A-L LAX
SV MOD LAX
CO A-L LAX
CO MOD LAX
LA Area

Doppler
MR Vmax
MR maxPG
E'
A'
AV Vmax
AV maxPG
PV Vmax
PV maxPG
TR Vmax
TR maxPG

B6

cm
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%%ml
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Vmin
Vmin
cm

m/s
mmHg
m/s
m/s
m/s
mmHg
m/s
mmHg
m/s
mmHg

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 1/13/2019 12:11:32 AM
Subject: Update - [REDACTED] **B6**
Attachments: Laboratory results summary.pdf

Unfortunately, they only got plasma although that was fine
Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

-----Original Message-----

From: Tufts Veterinary Cardiology Service
Sent: Saturday, January 12, 2019 12:54 PM
To: Freeman, Lisa <lisa.freeman@tufts.edu>

Subject: FW: Message from [REDACTED] **B6**

-----Original Message-----

From: Reception [REDACTED] **B6**
Sent: Saturday, January 12, 2019 10:56 AM
To: Tufts Veterinary Cardiology Service <cardiovet@tufts.edu>
Subject: Message from [REDACTED] **B6**

Dear Referring Veterinarian,

Thank you for your referral. Please see the attached record regarding your patient.
Please call us with any questions or concerns.

Sincerely,

[REDACTED] **B6**

[REDACTED] **B6**

B6

Laboratory Results

PATIENT B6	SPECIES Canine	AGE 4 years	OWNER B6
SEX Male Unaltered	BREED Golden Retriever		ADDR B6
COLOR Gold	MARK		
ID B6	TATOO	RADIO	PHONE B6
RABIES	OTHER		

Entry date: 12/20/2018 Entered by **B6** Completion date: 01/10/2019
 Result ID: 669,828.00 Status: For Review
 Profile: Taurine
 Laboratory: **B6**

Test	Low	Normal	High
Taurine		B	
Taurine B6 Plasma			
Normal Values (nmol/ml)			
	Normal Range	Critical Level	
Cat Plasma	80-120	Less than 40	
Whole Blood	300-600	Less than 200	
Dog Plasma	60-120	Less than 40	
Whole Blood	200-350	Less than 150	

Test performed at UC Davis.

Lab Comments: Requested By:
 Requested On: 01/10/2019 01:19 PM
 Accession Result ID: **B6**
 Accession Status: F
 Clinic Accession ID: **B6**
 Chart ID: 669828
 Lab Accession ID: **B6**
 Order Received: 12/20/2018
 Latest Results Received: 01/10/2019 10:36 AM
 Pet Name: **B6**
 Pet Age: 4Y
 Pet Sex: M
 Pet Species: Canine
 Pet Breed:
 Pet Owner: **B6**
 Pet Doctor:
 Comments:

B6

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 1/1/2019 9:33:26 PM
Subject: ps on [B6]

Hi Jen

Forgot to add in to the diet history that [B6] previous diet (before the 4Health) was Pure Balance Wild & Free Grain Free Formula. We used to get the one with salmon in it.

Best

Lisa

Lisa M. Freeman, DVM, PhD, DACVN
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From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: 'Freeman, Lisa'
CC: Peloguin, Sarah
Sent: [REDACTED] 12:57:56 PM
Subject: RE: [REDACTED]
Attachments: 800.267-Vet-LIRN Rapid Necropsy-DCM-v7.pdf

Hi Lisa,

Thank you for the head's up. If the owner can bring the body to Tufts for the necropsy, we can authorize and pay for it. I attached the most recent version of the necropsy protocol. Your lab can perform the gross necropsy and histopathology of the non-heart tissues. We'll need a set of slide recuts sent to us for review. We'll need to collect the intact formalin-fixed heart, fresh frozen tissues, and slide recuts. When the time comes, I can send you a box for this with a prepaid shipping label.

If you're willing to do this, please send me an estimate for the necropsy and histopathology with recuts. I'll make the purchase request today.

Thank you for bringing this to our attention,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: Tuesday, [REDACTED] 4:19 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED]
Importance: High

Hi Jen

I left a message on your machine but in case you're checking email, one of the cases I submitted [REDACTED] died this morning. The owner has given permission for a necropsy or getting heart samples so I am hoping to get in touch with you asap to see if we can work it out (I'm assuming you're back at work since I got this email from you)

thanks
Lisa

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From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Monday, [REDACTED] 10:02 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>

Subject: RE: [REDACTED] **B6**

Thank you for the update, Lisa. I'm sorry to hear that he passed away. Can you please forward the records for his case?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: Sunday, [REDACTED] **B6** 3:13 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED] **B6**

Hi Jen
Wanted to let you know that [REDACTED] **B6** died unexpectedly due to choking yesterday while eating. Owner said he had been doing well and we were going to do a recheck in Feb.

So sad ☹️

Lisa

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To: 'Freeman, Lisa'
Sent: [REDACTED] 11:53:00 PM
Subject: RE: [REDACTED]

Hi Lisa,

Ok, we can offer a full gross necropsy if the vet will perform that and collect the tissues on the list. Alternatively, if the vet will only get the heart, they can put the full heart intact into 10% NBF. Either way, we can send a box to collect.

Will you please confirm that it's [REDACTED] I'll need to make a purchase request.
Thank you again,
Jen

Jennifer Jones, DVM
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From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: Wednesday, [REDACTED] 8:02 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: [REDACTED]

Hi Jen
Unfortunately, they can't bring the body to Tufts and the dog is scheduled to be picked up for cremation today. If we can't do whole body donation, to you have a preferred approach to getting heart and any other selected tissues? The referring vet is willing to help get some samples and I can probably drive to [REDACTED] tonight to pick up
Thanks
Lisa

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From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, [REDACTED] 7:58 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: [REDACTED]

Hi Lisa,

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Tel: 240-402-5421



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Sent: Tuesday, [REDACTED] 4:19 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED]
Importance: High

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Sent: Monday, [REDACTED] 10:02 AM
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To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Subject: B6

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So sad 😞

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Subject: [REDACTED]
Importance: High

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Subject: **B6**

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From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: [REDACTED] 5:06:38 PM
Subject: RE: [REDACTED]

Hi Jen
It is [REDACTED] has been my contact and I let her know you'd be arranging for a box. She removed the heart last night and put it in formalin so that's ready to ship. We won't be able to get other tissues but hopefully this will be helpful.
If you need additional info, please let me know. I have a bunch of cases I need to report to you so I'll get those submitted asap.
Thanks
Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: [REDACTED] 8:53 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Subject: RE: [REDACTED]

Hi Lisa,
Ok, we can offer a full gross necropsy if the vet will perform that and collect the tissues on the list. Alternatively, if the vet will only get the heart, they can put the full heart intact into 10% NBF. Either way, we can send a box to collect.

Will you please confirm that it's [REDACTED] I'll need to make a purchase request.
Thank you again,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: [REDACTED] 8:02 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: [REDACTED]

Hi Jen
Unfortunately, they can't bring the body to Tufts and the dog is scheduled to be picked up for cremation today. If we can't do whole body donation, do you have a preferred approach to getting heart and any other selected tissues? The referring vet is willing to help get some samples and I can probably drive to [REDACTED] tonight to pick up

Thanks
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From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: [REDACTED] 7:58 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: [REDACTED] B6

Hi Lisa,

Thank you for the head's up. If the owner can bring the body to Tufts for the necropsy, we can authorize and pay for it. I attached the most recent version of the necropsy protocol. Your lab can perform the gross necropsy and histopathology of the non-heart tissues. We'll need a set of slide recuts sent to us for review. We'll need to collect the intact formalin-fixed heart, fresh frozen tissues, and slide recuts. When the time comes, I can send you a box for this with a prepaid shipping label.

If you're willing to do this, please send me an estimate for the necropsy and histopathology with recuts. I'll make the purchase request today.
Thank you for bringing this to our attention,
Jen

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From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: [REDACTED] 4:19 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED] B6
Importance: High

Hi Jen

I left a message on your machine but in case you're checking email, one of the cases I submitted [REDACTED] B6 died [REDACTED] B6. The owner has given permission for a necropsy or getting heart samples so I am hoping to get in touch with you asap to see if we can work it out (I'm assuming you're back at work since I got this email from you)

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From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: [REDACTED] 10:02 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Subject: RE: [REDACTED]

Thank you for the update, Lisa. I'm sorry to hear that he passed away. Can you please forward the records for his case?

Jennifer Jones, DVM
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Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: [REDACTED] 3:13 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED]

Hi Jen
Wanted to let you know that [REDACTED] died unexpectedly due to choking yesterday while eating. Owner said he had been doing well and we were going to do a recheck in Feb.
So sad ☹️
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From: Jones, Jennifer L </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0F6CA12EAA9348959A4CBB1E829AF244-JENNIFER.JO>
To: [REDACTED] **B6**
CC: Peloquin, Sarah
Sent: [REDACTED] **B6** 5:01:47 PM
Subject: 800.267-cc-210-EON-375111-FDA Case Investigation for [REDACTED] **B6**

Good afternoon [REDACTED] **B6**

I'm sorry to hear that [REDACTED] **B6** passed away. We've been following his case since Dr. Freeman reported it. As a follow-up to our discussion, we'd like to send you a box to collect the fixed formalin heart tissue. To send the box, I need to know the approximate size and weight of the fixed formalin container. Please send me that information.

Then, I'll ship you a box with everything needed to package the sample. You'll reuse the box, package the sample, use the prepaid shipping label we provide, and call UPS for the pick-up. Please return ship the box to us on a Monday through Wednesday.

***If for some reason we are furloughed again mid-February, please do not ship during the government shutdown. ***

We will process the tissue for histopathology and send you the results.

Please email or call with any questions.

Thank you,

Dr. Jones

Jennifer L. A. Jones, DVM

Veterinary Medical Officer
U.S. Food & Drug Administration
Center for Veterinary Medicine
Office of Research
Veterinary Laboratory Investigation and Response Network (Vet-LIRN)
8401 Muirkirk Road, G704
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new tel: 240-402-5421
fax: 301-210-4685
e-mail: jennifer.jones@fda.hhs.gov
Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: [REDACTED] B6
Sent: [REDACTED] B6 7:54:04 PM
Subject: RE: 800.267-cc-210-EON-375111-FDA Case Investigation for [REDACTED] B6

Not a silly question at all. We'll collect the entire container-formalin plus tissue.

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] B6
Sent: [REDACTED] B6 2:50 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: Re: 800.267-cc-210-EON-375111-FDA Case Investigation for [REDACTED] B6

Hello,

Sorry for the late reply! This might seem like a silly question but you want us to send the tissue once it's fixed in a jar without formalin, correct? Or would we be sending it in the formalin still? I'm off work for the next couple of days but can send you all the information on Monday - sorry for the delay!

Thank you!

[REDACTED] B6

On [REDACTED] B6 at 1:02 PM Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov> wrote:

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fax: 301-210-4685
e-mail: jennifer.jones@fda.hhs.gov
Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



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Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: [REDACTED] 2:10:38 PM
Subject: RE: [REDACTED]

Hi Jen

Were you able to get this worked out with [REDACTED] at [REDACTED]

Thanks

Lisa

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From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, [REDACTED] 8:53 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Subject: RE: [REDACTED]

Hi Lisa,

Ok, we can offer a full gross necropsy if the vet will perform that and collect the tissues on the list. Alternatively, if the vet will only get the heart, they can put the full heart intact into 10% NBF. Either way, we can send a box to collect.

Will you please confirm that it's [REDACTED]? I'll need to make a purchase request.

Thank you again,

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Tel: 240-402-5421



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Sent: Wednesday, [REDACTED] 8:02 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: [REDACTED]

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Thanks

Lisa

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From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, [REDACTED] 7:58 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: [REDACTED]

Hi Lisa,

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From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: Tuesday, [REDACTED] 4:19 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED]
Importance: High

Hi Jen

I left a message on your machine but in case you're checking email, one of the cases I submitted [REDACTED] died this morning. The owner has given permission for a necropsy or getting heart samples so I am hoping to get in touch with you asap to see if we can work it out (I'm assuming you're back at work since I got this email from you)

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From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Monday, [REDACTED] 10:02 AM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Subject: RE: [REDACTED]

Thank you for the update, Lisa. I'm sorry to hear that he passed away. Can you please forward the records for his case?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: Sunday, [REDACTED] 3:13 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED]

Hi Jen
Wanted to let you know that [REDACTED] died unexpectedly due to choking yesterday while eating. Owner said he had been doing well and we were going to do a recheck in Feb.
So sad 😞
Lisa

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From: Jones, Jennifer L </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0F6CA12EAA9348959A4CBB1E829AF244-JENNIFER.JO>
To: Freeman, Lisa
Sent: [REDACTED] 2:56:59 PM
Subject: RE: [REDACTED]

Yes. We're collecting the tissue.

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: [REDACTED] 9:11 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: [REDACTED]

Hi Jen

Were you able to get this worked out with [REDACTED]

Thanks

Lisa

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Subject: [REDACTED]
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To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
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From: [redacted] **B6**
To: Jones, Jennifer L
Sent: [redacted] **B6** 5:08:28 PM
Subject: Re: 800.267-cc-210-EON-375111-FDA Case Investigation for [redacted] **B6**

Thank you! Sorry for the delay in getting back to you again. The biopsy jar is the 1.25 gallon size, it measures approx 11 inches high by 6-7 inches diameter. Let me know if you need any other information!

Thank you!

[redacted] **B6**

On [redacted] **B6** at 14:54 Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov> wrote:

Not a silly question at all. We'll collect the entire container-formalin plus tissue.

Jennifer Jones, DVM

Veterinary Medical Officer

Tel: 240-402-5421



From: [redacted] **B6**
Sent: [redacted] **B6** 2:50 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: Re: 800.267-cc-210-EON-375111-FDA Case Investigation for [redacted] **B6**

Hello,

Sorry for the late reply! This might seem like a silly question but you want us to send the tissue once it's fixed in a jar without formalin, correct? Or would we be sending it in the formalin still? I'm off work for the next couple of days but can send you all the information on Monday - sorry for the delay!

Thank you!

[redacted] **B6**

B6

On Wed, [B6] at 1:02 PM Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov> wrote:

Good afternoon [B6]

I'm sorry to hear that [B6] passed away. We've been following his case since Dr. Freeman reported it. As a follow-up to our discussion, we'd like to send you a box to collect the fixed formalin heart tissue. To send the box, I need to know the approximate size and weight of the fixed formalin container. Please send me that information.

Then, I'll ship you a box with everything needed to package the sample. You'll reuse the box, package the sample, use the prepaid shipping label we provide, and call UPS for the pick-up. Please return ship the box to us on a Monday through Wednesday.

***If for some reason we are furloughed again mid-February, please do not ship during the government shutdown. ***

We will process the tissue for histopathology and send you the results.

Please email or call with any questions.

Thank you,

Dr. Jones

Jennifer L. A. Jones, DVM

Veterinary Medical Officer
U.S. Food & Drug Administration
Center for Veterinary Medicine
Office of Research
Veterinary Laboratory Investigation and Response Network (Vet-LIRN)
8401 Muirkirk Road, G704
Laurel, Maryland 20708
new tel: 240-402-5421

fax: 301-210-4685

e-mail: jennifer.jones@fda.hhs.gov

Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



B6

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: [REDACTED] B6
Sent: [REDACTED] B6 3:03:15 PM
Subject: RE: 800.267-cc-210-EON-375111-FDA Case Investigation for [REDACTED] B6

Hi [REDACTED] B6

Thank you. How much does it weigh?
Take care,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] B6
Sent: [REDACTED] B6 12:08 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: Re: 800.267-cc-210-EON-375111-FDA Case Investigation for [REDACTED] B6

Thank you! Sorry for the delay in getting back to you again. The biopsy jar is the 1.25 gallon size, it measures approx 11 inches high by 6-7 inches diameter. Let me know if you need any other information!

Thank you!

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To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: Re: 800.267-cc-210-EON-375111-FDA Case Investigation for [REDACTED] B6

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fax: 301-210-4685

e-mail: jennifer.jones@fda.hhs.gov

Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



B6

From: [B6]
To: Jones, Jennifer L
CC: Reimschuessel, Renate
Sent: 12/19/2018 7:32:25 PM
Subject: Suspect grain free canine DCM case

Hello, my name is [B6] and I am a veterinary cardiologist in [B6]. Josh Stern gave me your contact information after I had a patient experience a sudden death following a diagnosis of DCM while on a grain free diet (Taste of the Wild – Prey). Unfortunately, I did not receive the full necropsy protocol until after the body had been picked up for cremation services but he had suggested I get a sample of heart, skeletal muscle, liver, and serum so I have frozen and fixed samples from the left ventricle, skeletal muscle, and liver and there should be some serum in the fridge. I would love to send these samples in if they will be at all helpful. Please let me know if you would like me to proceed with sending samples to Vet-LIRN.

Thank you for all of your help,
[B6]

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From: [REDACTED] **B6**
To: Jones, Jennifer L
CC: Reimschuessel, Renate; Peloquin, Sarah
Sent: 12/22/2018 10:20:54 PM
Subject: Re: Suspect grain free canine DCM case

Thank you so much for your help. I submitted a complain with as much information as I could. The ICSR number is 2060525 and the report ID is 250430.

Have a great holiday and new year,

[REDACTED] **B6**

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, December 19, 2018 11:39:49 AM
To: [REDACTED] **B6**
Cc: Reimschuessel, Renate; Peloquin, Sarah
Subject: RE: Suspect grain free canine DCM case

Hi [REDACTED] **B6**

We would absolutely appreciate collecting those samples. In order for me to send you a box to collect the samples, I'll need an official report. You can mention in the report, that I recommended you submit a complaint. Can you please submit a consumer complaint here? <https://www.safetyreporting.hhs.gov/> Please send me the ICSR number (confirmation code) to help me locate the report. I'll ship a box to you after the new year because of the holidays. Thank you again for your help and collaboration. Happy Holidays,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] **B6**
Sent: Wednesday, December 19, 2018 2:32 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>
Subject: Suspect grain free canine DCM case

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Thank you for all of your help,

[REDACTED] **B6**

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From: [REDACTED] B6
To: Jones, Jennifer L
CC: Peloquin, Sarah
Sent: 2/5/2019 12:52:43 AM
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Thank you so much for getting back to me. Because I did not get as many samples as I probably should have, I think I have about 0.5 pounds of fixed samples and frozen samples. There are three small biopsy jars (about 2 inches tall) each and a serum and plasma sample.

Ship to:

[REDACTED] B6

Thank you,

[REDACTED] B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Thursday, January 31, 2019 6:31 AM
To: [REDACTED] B6
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning [REDACTED] B6

Thank you for submitting the report. We can send you 2 boxes to collect the fixed and frozen samples. You will reuse the boxes we send and package the samples per the instructions in the box. You'll affix the prepaid shipping label to the box and call UPS for a pick-up on Monday-Wednesday. Please send me the following information so I can prepare the boxes:

- Approximate size and weight of each set of samples (frozen and fixed)
- Address for where to ship the boxes.

Thank you kindly for your help,

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] B6
Sent: Monday, January 07, 2019 2:59 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case

I was just following up regarding the grain free DCM case I had contacted you about prior to the holidays with ICSR number is 2060525 and the report ID is 250430. I was hoping to find out about receiving shipping materials for our samples.

Thank you and hope you had a great holiday,

[REDACTED] B6

From: [REDACTED] B6

Sent: Saturday, December 22, 2018 2:21 PM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>

Subject: Re: Suspect grain free canine DCM case

Thank you so much for your help. I submitted a complain with as much information as I could. The ICSR number is 2060525 and the report ID is 250430.

Have a great holiday and new year,

B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Sent: Wednesday, December 19, 2018 11:39:49 AM

To: B6

Cc: Reimschuessel, Renate; Peloquin, Sarah

Subject: RE: Suspect grain free canine DCM case

Hi B6

We would absolutely appreciate collecting those samples.

In order for me to send you a box to collect the samples, I'll need an official report. You can mention in the report, that I recommended you submit a complaint. Can you please submit a consumer complaint here?

<https://www.safetyreporting.hhs.gov/>

Please send me the ICSR number (confirmation code) to help me locate the report. I'll ship a box to you after the new year because of the holidays.

Thank you again for your help and collaboration. Happy Holidays,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: B6

Sent: Wednesday, December 19, 2018 2:32 PM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>

Subject: Suspect grain free canine DCM case

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Thank you for all of your help,

B6

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FDA-CVM-FOIA-2019-1704-009683

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To: B6
Sent: 5/6/2019 11:05:02 AM
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211
Attachments: image002.png; image004.png; image005.png; image006.png; image007.png; image008.png; image009.png

Good morning B6

The tissues are being prepped for histopathology. As soon as they are done, our pathologist will review them. I'll send the results as soon as possible.

Thank you,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: B6
Sent: Friday, May 03, 2019 5:40 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, I was just following up on the samples I submitted for Thor several months ago to see if there are any results.

Thank you,
B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, March 13, 2019 4:01 AM
To: B6
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning B6

Thank you for the email. We should be scheduling an appointment to prepare the next set of tissues for histopathology in the coming weeks. It'll then be a few more weeks after that to get the slides prepared and read by our pathologist.

I'll let you know as soon as I get a report.
Thank you again for helping with the investigation,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: B6
Sent: Tuesday, March 12, 2019 7:55 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, I was just curious if you had any idea about how long it takes to hear back after submitting samples.

Thanks,

B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Sent: Thursday, January 31, 2019 6:31 AM

To: B6

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- Address for where to ship the boxes.

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Tel: 240-402-5421



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To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

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Subject: Re: Suspect grain free canine DCM case

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Sent: 6/13/2019 2:19:22 PM
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

B6

No worries. I expect the histopathology should be read in the next 2-3 weeks.
Please let me know if you need additional updates :)
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: B6
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Have a great holiday and new year,

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Sent: Wednesday, December 19, 2018 11:39:49 AM

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To: [REDACTED] B6
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Sent: 8/30/2019 4:00:35 PM
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211
Attachments: 800.267-cc-211-EON-374547.docx

Good morning [REDACTED] B6

I got the result back this morning. From the pathologist: "The antemortem diagnosis in this dog that spontaneously died was DCM. While heart was not available, the marked hepatic chronic passive congestion would support significant cardiac disease."

Please share the results with the owner.

Thank you kindly,

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Jones, Jennifer L
Sent: Monday, August 26, 2019 7:31 AM
To: [REDACTED] B6
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi [REDACTED] B6

The pathologist is reviewing his records. If he hasn't reviewed it, I've requested that he review it first this week. I'm so sorry for the delay.

Jen

Jennifer Jones, DVM
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From: [REDACTED] B6
Sent: Friday, August 23, 2019 11:29 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, were you able to get any information for me? The owner continues to call us and is very upset that we haven't heard anything.

Thank you,

[REDACTED] B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Monday, August 12, 2019 10:17 AM
To: [REDACTED] B6
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

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Hi Jen, I was just following up on the samples I submitted for Thor several months ago to see if there are any results.

Thank you,

[REDACTED] **B6**

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, March 13, 2019 4:01 AM
To: [REDACTED] **B6**
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning [REDACTED] **B6**

Thank you for the email. We should be scheduling an appointment to prepare the next set of tissues for histopathology in the coming weeks. It'll then be a few more weeks after that to get the slides prepared and read by our pathologist.

I'll let you know as soon as I get a report.

Thank you again for helping with the investigation,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] **B6**
Sent: Tuesday, March 12, 2019 7:55 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, I was just curious if you had any idea about how long it takes to hear back after submitting samples.
Thanks,

[REDACTED] **B6**

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Thursday, January 31, 2019 6:31 AM
To: [REDACTED] **B6**
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning [REDACTED] **B6**

Thank you for submitting the report. We can send you 2 boxes to collect the fixed and frozen samples. You will reuse the boxes we send and package the samples per the instructions in the box. You'll affix the prepaid

shipping label to the box and call UPS for a pick-up on Monday-Wednesday. Please send me the following information so I can prepare the boxes:

- Approximate size and weight of each set of samples (frozen and fixed)
- Address for where to ship the boxes.

Thank you kindly for your help,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] **B6**
Sent: Monday, January 07, 2019 2:59 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case

I was just following up regarding the grain free DCM case I had contacted you about prior to the holidays with ICSR number is 2060525 and the report ID is 250430. I was hoping to find out about receiving shipping materials for our samples.

Thank you and hope you had a great holiday,

[REDACTED] **B6**

From: [REDACTED] **B6**
Sent: Saturday, December 22, 2018 2:21 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: Re: Suspect grain free canine DCM case

Thank you so much for your help. I submitted a complain with as much information as I could. The ICSR number is 2060525 and the report ID is 250430.

Have a great holiday and new year,

[REDACTED] **B6**

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, December 19, 2018 11:39:49 AM
To: [REDACTED] **B6**
Cc: Reimschuessel, Renate; Peloquin, Sarah
Subject: RE: Suspect grain free canine DCM case

Hi [REDACTED] **B6**

We would absolutely appreciate collecting those samples.

In order for me to send you a box to collect the samples, I'll need an official report. You can mention in the report, that I recommended you submit a complaint. Can you please submit a consumer complaint here?

<https://www.safetyreporting.hhs.gov/>

Please send me the ICSR number (confirmation code) to help me locate the report. I'll ship a box to you after the new year because of the holidays.

Thank you again for your help and collaboration. Happy Holidays,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] **B6**
Sent: Wednesday, December 19, 2018 2:32 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>
Subject: Suspect grain free canine DCM case

Hello, my name is [REDACTED] **B6** and I am a veterinary cardiologist in [REDACTED] **B6**. Josh Stern gave me your contact information after I had a patient experience a sudden death following a diagnosis of DCM while on a grain free diet (Taste of the Wild – Prey). Unfortunately, I did not receive the full necropsy protocol until after the body had been picked up for cremation services but he had suggested I get a sample of heart, skeletal muscle, liver, and serum so I have frozen and fixed samples from the left ventricle, skeletal muscle, and liver and there should be some serum in the fridge. I would love to send these samples in if they will be at all helpful. Please let me know if you would like me to proceed with sending samples to Vet-LIRN.

Thank you for all of your help,

[REDACTED] **B6**

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NECROPSY REPORT FINAL REPORT

Animal ID: EON-374547
 Accession Number: 800.267/cc-211
 Species: Canine (Staffordshire Terrier)
 Date: [Click here to enter a date.](#) (DON)
 Sex, Age Class: MN, Adult, 2 YO
 Body Condition: Good
 Condition at Investigation: Alive, Spontaneous Death
 Carcass Disposition/Post-Mortem Interval:

GROSS FINDINGS/HISTORICAL FINDINGS

- ascites

ANCILLARY FINDINGS

Test	Test Sample	Result	Comment

TISSUES/SAMPLES RECEIVED

Liver and skeletal muscle were received. No heart was available.

MICROSCOPIC DESCRIPTION

Tissue Preservation: Good

Respiratory System

NE

Hematolymphatic System

NE

Hepatobiliary System



Integumentary System/Musculoskeletal System:

NSF

Urogenital System:

NE

Digestive System:

NE

Nervous System:

NE

Endocrine System:

NE

Sensory System:

NE

Body as a Whole:

Cardiovascular System:

NE

Tissues with No Significant Histologic Findings: Skeletal muscle

MORPHOLOGICAL DIAGNOSES

Respiratory System

NE

Hematolymphatic System

NE

Hepatobiliary System

B6

Nervous System:

NE

Integumentary System/Musculoskeletal System:

NSF

Urogenital System:

NE

Endocrine System:

NE

Digestive System:

NE

Cardiovascular System:

NE

Sensory System:

NE

Body Cavity

FINAL DIAGNOSES/INTERPRETATIVE SUMMARY

Diagnosis
Chronic Passive Congestion (liver)

Linked Cases: NA

The antemortem diagnosis in this dog that spontaneously died was DCM. While heart was not available, the marked hepatic chronic passive congestion would support significant cardiac disease.

RECOMMENDED TESTS

TEST	PURPOSE	SITE	RESULT

DATE:
8/30/2019

REPORTING PATHOLOGIST:
David S. Rotstein, DVM, MPVM, DACVP

FIGURES

See Power Point

Document properties

Title: 11-
Author: D Rotstein
Subject: Pathology Report:
Company: univ tenn
Category: Necropsy Report
Template: Normal.dotm
Page count: 4
Paragraph count: 79
Line count: 153
Word count: 254
Character count (spaces excluded): 1725
Character count (spaces included): 2026

From: [REDACTED] B6
To: Jones, Jennifer L
Sent: 8/30/2019 4:32:25 PM
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Thank you for getting this back to me. We did also send samples of the left ventricle both frozen and fixed so I am a little disappointed to see that we didn't get any results for that.

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Friday, August 30, 2019 9:01 AM
To: [REDACTED] B6
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning [REDACTED] B6

I got the result back this morning. From the pathologist: "The antemortem diagnosis in this dog that spontaneously died was DCM. While heart was not available, the marked hepatic chronic passive congestion would support significant cardiac disease."

Please share the results with the owner.

Thank you kindly,

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Jones, Jennifer L
Sent: Monday, August 26, 2019 7:31 AM
To: [REDACTED] B6
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi [REDACTED] B6

The pathologist is reviewing his records. If he hasn't reviewed it, I've requested that he review it first this week. I'm so sorry for the delay.

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] B6
Sent: Friday, August 23, 2019 11:29 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, were you able to get any information for me? The owner continues to call us and is very upset that we haven't heard anything.

Thank you,

B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Monday, August 12, 2019 10:17 AM
To: **B6**
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Thank you, **B6** It should have been read, and I'll double-check with the pathologist.

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: **B6**
Sent: Friday, August 09, 2019 12:49 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, just checking in to see when the histopath reports for my patient ill be available.

Thank you,

B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Thursday, June 13, 2019 7:19 AM
To: **B6**
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi **B6**

No worries. I expect the histopathology should be read in the next 2-3 weeks.
Please let me know if you need additional updates :)
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: **B6**
Sent: Friday, June 07, 2019 5:09 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

I apologize that I keep harassing you but are there any updates as far as when the histopath will be available? My client has called several times and if I can give him an ETA that would be very helpful.

Thank you,

B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Monday, May 06, 2019 4:05 AM
To: **B6**
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning [B6]

The tissues are being prepped for histopathology. As soon as they are done, our pathologist will review them. I'll send the results as soon as possible.

Thank you,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [B6]
Sent: Friday, May 03, 2019 5:40 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, I was just following up on the samples I submitted for Thor several months ago to see if there are any results.

Thank you,
[B6]

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, March 13, 2019 4:01 AM
To: [B6]
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning [B6]

Thank you for the email. We should be scheduling an appointment to prepare the next set of tissues for histopathology in the coming weeks. It'll then be a few more weeks after that to get the slides prepared and read by our pathologist.

I'll let you know as soon as I get a report.

Thank you again for helping with the investigation,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [B6]
Sent: Tuesday, March 12, 2019 7:55 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Hi Jen, I was just curious if you had any idea about how long it takes to hear back after submitting samples.
Thanks,

[B6]

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Thursday, January 31, 2019 6:31 AM
To: [B6]
Cc: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case-800.267-cc-211

Good morning, **B6**

Thank you for submitting the report. We can send you 2 boxes to collect the fixed and frozen samples. You will reuse the boxes we send and package the samples per the instructions in the box. You'll affix the prepaid shipping label to the box and call UPS for a pick-up on Monday-Wednesday. Please send me the following information so I can prepare the boxes:

- Approximate size and weight of each set of samples (frozen and fixed)
- Address for where to ship the boxes.

Thank you kindly for your help,
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: **B6**
Sent: Monday, January 07, 2019 2:59 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: Suspect grain free canine DCM case

I was just following up regarding the grain free DCM case I had contacted you about prior to the holidays with ICSR number is 2060525 and the report ID is 250430. I was hoping to find out about receiving shipping materials for our samples.

Thank you and hope you had a great holiday,

B6

From: **B6**
Sent: Saturday, December 22, 2018 2:21 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: Re: Suspect grain free canine DCM case

Thank you so much for your help. I submitted a complain with as much information as I could. The ICSR number is 2060525 and the report ID is 250430.

Have a great holiday and new year,

B6

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, December 19, 2018 11:39:49 AM
To: **B6**
Cc: Reimschuessel, Renate; Peloquin, Sarah
Subject: RE: Suspect grain free canine DCM case

Hi **B6**

We would absolutely appreciate collecting those samples.

In order for me to send you a box to collect the samples, I'll need an official report. You can mention in the report, that I recommended you submit a complaint. Can you please submit a consumer complaint here?

<https://www.safetyreporting.hhs.gov/>

Please send me the ICSR number (confirmation code) to help me locate the report. I'll ship a box to you after the new year because of the holidays.

Thank you again for your help and collaboration. Happy Holidays,

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: [REDACTED] **B6**
Sent: Wednesday, December 19, 2018 2:32 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>
Subject: Suspect grain free canine DCM case

Hello, my name is [REDACTED] **B6** and I am a veterinary cardiologist in [REDACTED] **B6**. Josh Stern gave me your contact information after I had a patient experience a sudden death following a diagnosis of DCM while on a grain free diet (Taste of the Wild – Prey). Unfortunately, I did not receive the full necropsy protocol until after the body had been picked up for cremation services but he had suggested I get a sample of heart, skeletal muscle, liver, and serum so I have frozen and fixed samples from the left ventricle, skeletal muscle, and liver and there should be some serum in the fridge. I would love to send these samples in if they will be at all helpful. Please let me know if you would like me to proceed with sending samples to Vet-LIRN.

Thank you for all of your help,

[REDACTED] **B6**

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Client: **B6**
Address: **B6**

All Medical Records

Patient: **B6**
Breed: Terrier Cross
DOB: **B6**

Species: Canine
Sex: Female
(Spayed)

Home Phone: **B6**
Work Phone: **B6**
Cell Phone: **B6**

Referring Information

B6

Client: **B6**
Patient: **B6**

Initial Complaint:

Initial Complaint:

Client: B6
Patient:

Initial Complaint:

Initial Complaint:
Cardiology N/R Yearly

SOAP Text Jul 3 2014 12:19PM - Rush, John

Initial Complaint:
Cardiology recheck

SOAP Text Nov 6 2014 3:31PM B6

Client: **B6**
Patient: **B6**

Initial Complaint:

Recheck - Rush

Initial Complaint:

Chief New - **B6**

SOAP Text Dec 16 2015 9:28AM - B6

12/16/2015 9:28:10 AM EXAM, GENERAL

Subjective (S)

- B6** is a 4 yo FS Pitbull, presenting for a history of **B6**
- Hx of rads at rDVM which showed calcification of **B6**
- Hx of Grade II/VI left sided systolic heart murmur (evaluated by Dr. Rush at TCSVM)--Aortic stenosis w/mitral valve thickening
- Previously tried herbal antiinflammatories for **B6** but did not improve, so these were discontinued.
- Currently on Glucosamine and fish oil supp.
- E/D well, no V/D/C/S
- Only pet in household
- UTD on vax

Objective (O)

B6

H/L: NSA with Grade III/VI systolic heart murmur (left sided); Eupneic; Normal bronchovesicular sounds bilaterally with no crackles/wheezes ausculted. FPSS.

B6

Assessment (A)

- A1: Bilateral stifle effusion--R/O CrCL tear (R>L) -vs- Other soft tissue injury (i.e. collateral ligament damage vs other)
- A2: Hx of **B6**
- A3: Hx of Grade III/VI systolic heart murmur--Aortic stenosis w/mitral valve thickening

Plan (P)

B6

SOAP completed by **B6**

SOAP reviewed by:

Client: **B6**
Patient: **B6**

Prescribed **B6** - **B6**

Instructions - Give 1 capsule by mouth 3 times daily starting 1/19/16 a.m - Expires: 12/30/2016 No Refills

Initial Complaint:

Tech - **B6**

SOAP Text Jan 15 2016 9:46AM - Rush, John

Initial Complaint:

d/o chief, eventually admit to B ward,

Owner to sit with dog in waiting room until pre-med, ok per **B6

SOAP Text B6 7:49AM - B6

Subjective

B6 is a 5 yo SF pit bull presenting for a **B6** procedure. **B6** has a history of Grade II/VI left sided systolic heart murmur (evaluated by Dr. Rush at TCSVM)--Aortic stenosis w/mitral valve thickening. Also has history of **B6**

Owners have no concerns other than her ability to tolerate anesthesia.

BAR, Euhydrated, BCS **B6**

MM: pink/moist, CRT **B6**

Objective

B6

H/L: II-III/VI left sided systolic murmur, NSR, FPSS. Normal BV sounds bilaterally, no crackles or wheezes.

B6

Assessment

A1: bilateral CCL ruptures (R>L)

A2: Heart murmur: secondary to Aortic stenosis with mitral valve thickening

A3: History of calcanean tendon calcification

Plan

B6

Client: **B6**
Patient: **B6**

B6

SOAP Text **B6** :18AM - Clinician, Unassigned FHSA

Subjective

B6 is a 5 yo SF pit bull 1 day post-op for a **B6** procedure. **B6** has a history of Grade II/VI left sided systolic heart murmur (evaluated by Dr. Rush at TCSVM)--Aortic stenosis w/mitral valve thickening. Also has history of **B6**
B6

Overnight patient remained calm, ate well and had normal urination/defecation.

BAR, slightly tentative, euhydrated, BCS **B6**

MM: pink/moist, CRT **B6**

Objective

B6

H/L: III/VI left sided systolic murmur again noted. NSR, FPSS. Normal BV sounds bilaterally, no crackles or wheezes

B6

Assessment

A1: 1 day post-op left TPLO- recovering

A2: History of aortic stenosis

Plan

Continue supportive care

Medications

B6

B6

SOAP Text **B6** 55AM - Clinician, Unassigned FHSA

Subjective

B6 is a 5 yo SF pit bull 2 days post-op for a **B6** procedure. **B6** has a history of Grade II/VI left sided systolic heart murmur (evaluated by Dr. Rush at TCSVM)--Aortic stenosis w/mitral valve thickening. Also has history of **B6** calcification.

Client: **B6**
Patient: **B6**

Overnight patient remained calm, ate well and had normal urination/defecation.

BAR, slightly tentative, euhydrated, BCS **B6**
MM: pink/moist, CRT **B6**

Objective

B6

H/L: III/VI left sided systolic murmur again noted, NSR, FPSS. Normal BV sounds bilaterally, no crackles or wheezes

B6

Assessment

A1: 2 days post-op **B6** recovering
A2: History of aortic stenosis

Plan

TGH today
Meds TGH

B6

B6

Initial Complaint:

Ortho Special

SOAP Text Feb 3 2016 8:38AM **B6**

2/3/2016 8:38:52 AM EXAM, GENERAL

Client: **B6**
Patient: **B6**

Subjective (S)

Objective (O)

T: HR: RR: BW:
EENT:
PLN:
H/L:
Abd:
UG:
MSI:
Neuro:

Assessment (A)

A1:
A2:

Plan (P)

SOAP completed by:
SOAP reviewed by:

Initial Complaint:

Chief recheck: **B6** xrays + xray other: **B6** **B6**

SOAP Text Mar 23 2016 9:34AM - **B6**

3/23/2016 9:35:03 AM EXAM, GENERAL

Subjective (S)

B6 presents for 8-week post-op radiographs of **B6** following **B6** surgery. According to O, P has been doing well at home except P has been bunny-hopping while running. P has been difficult to keep calm as well according to O. P has attended 4 physical therapy sessions at Canine **B6**. P is currently on **B6** supplementation and **B6**. O would like **B6** to be done on **B6** because she is concerned that the **B6** will need to be repaired as well. O has no other concerns.

Objective (O)

B6

H/L: aortic stenosis, III-IV/VI murmur, normal bronchovesicular sounds bilaterally

B6

Assessment (A)

A1: Hx of partial right **B6** performed previously, healing well
A2: Hx of right **B6**
A3: Hx of grade III-IV/VI systolic heart murmur- aortic stenosis w/ mitral thickening

Client: **B6**
Patient: **B6**

Plan (P)
P1: Sedation and Radiographs (**B6**) view radiographs
P2: P can return to normal exercise (as allowed with cardiac disease)

SOAP completed by: **B6**
SOAP reviewed by:

Initial Complaint:

Emergency

SOAP Text Oct 7 2016 2:27PM - Clinician, Unassigned FHSA

10/7/2016 2:31:26 PM NEW VISIT (ER)

Doctor: **B6**
Student: **B6**

Presenting complaint: chronic weight loss for the past few months

Referral visit? yes

Diagnostics completed prior to visit: Abdominal and thoracic radiographs, CBC/Chem

HISTORY:

B6

EXAM:

B6

C/V: grade 2/6 systolic ejection quality murmur; no arrhythmia ausculted

B6

DIAGNOSTICS:

Client: **B6**
Patient: **B6**

B6

10/7 (Tufts):

Cardiology consult with echocardiogram:

-Stable SAS (mild to moderate) with mild CVD. There is mild LA enlargement. The cardiac structure appears similar to last exam. We do not have previous chest radiographs here at Tufts, so it is difficult to say if the cardiomegaly seen on radiographs this week is progressive. Given that the heart is otherwise stable, no cardiac medications are indicated. If infection is suspected, there should be a low threshold for starting antibiotics given the SAS. Recheck echocardiogram in 6-9 months.

ASSESSMENT:

A1: Weight loss, chronic: r/o IBD vs EPI vs. Vit B12 deficiency vs. other malabsorption disease vs. neoplasia (considered much less likely)

A2: Systolic murmur - previously diagnosed SAS, mitral valve disease, LA enlargement

B6

PLAN:

B6

Client communication:

Informed owner that we had our radiology team look at **B6** rads from rDVM and they are not concerned about a mass or a potential GI obstruction. We did note cardiomegaly on the radiographs but we are not able to compare the radiographs from this week to the echo from last year in terms of assessing heart size. Recommended a recheck with cardio. As **B6** is stable, unfortunately cannot perform an abdominal ultrasound today because of their full schedule and inability to send her on an emergency basis on a Friday afternoon because she is not critical. Recommended an appointment with the internal medicine service at which time further diagnostics and recheck echo could be done - likely could schedule within 1-2 weeks. Owner stated that her rDVM wished for the dog to get an ultrasound today and that's why they send her. Offered to look at internal med schedule to find her the earliest appointment. She said that ultrasonographers come to her rDVM as well, or she could go to **B6**. Told her that if she wanted to pursue those options, she was welcome to, but could not be done here today. Offered to see if cardiology could do a consult on **B6** this afternoon with an echocardiogram and advised that they may not get to her until the end of the day. Owner understood and elected to wait, but also pushed to try to convince us to let her have the ultrasound. This was a big point of contention in the exam room, but re-iterated that because **B6** is stable, it is not something I am authorized to offer to somehow push through normal proceedings.

After cardio consult (much unchanged from previous visit), discussed additional work-up and again recommended Internal Medicine consultation. At that time, a fasted GI panel and abdominal ultrasound could be performed as well as other testing that may be indicated. In the meantime, try increasing meal size, weight her weekly, and keep track of bowel movements. Owner was appreciative in the end and apologized for earlier frustration.

B6

Initial Complaint:

Video weight loss, U/S

SOAP Text Oct 17 2016 10:54AM - **B6**

PC: weight loss of last ~6 weeks, more flatulence as well.

Stools have been historically normal, but recently soft otherwise normal. No vomiting. Occasional sneezing, normal for her. Hacks occasionally - sometimes after coming inside, sometimes with exercise. Eye discharge from one eye more than the other at times. Strong energy level, but perhaps more quiet? H/o mild-mod SAS and mild CVD - patient of Tufts Cardio Service

Diet - Orijens 6 fish - 2 cups BID (incr from 1cup BID 2 weeks ago)

Client: **B6**
Patient: **B6**

Meds - **B6** probiotic yogurt

B6

H/L - Gr II/VI HM, normal BV sounds bilat

B6

A:
Chronic (>1 month) weight loss and flatulence - r/o IBD vs neoplasia vs parasitic
Mild jejunal changes - r/o IBD
Mild adrenal enlargement - r/o adenoma, hyperplasia

Plan:

B6

B6

B6

Initial Complaint:

Recheck-Rush

SOAP Text Jan 25 2017 8:39AM - Rush, John

Initial Complaint:

IM Tech, B12 - Told to FAST

Other pet **B6** has a 10am with **B6**

Client: **B6**
Patient:

SOAP Text Jan 25 2017 10:33AM - IM Technician, Scheduling

B6

Initial Complaint:

Recheck-Rush

SOAP Text Jan 18 2018 2:29PM - Rush, John

Initial Complaint:

Recheck-Rush

SOAP Text Apr 17 2018 11:42AM - Rush, John

Initial Complaint:

Recheck-Rush

SOAP Text Jul 26 2018 3:42PM - Rush, John

Initial Complaint:

Recheck - Rush

SOAP Text Sep 28 2018 12:34PM - Rush, John

Disposition/Recommendations

Client:

B6

Patient:

Client: **B6**
Patient: **B6**

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
North Grafton, MA 01536
(508) 839-5395

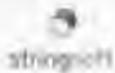
Client: **B6**
Veterinarian:
Patient ID: **B6**
Visit ID:

Patient:	B6
Species:	Canine
Breed:	Terrier Cross
Sex:	Female (Spayed)
Age:	B6 Years Old

Lab Results Report

Taurine Panel 7/3/2014 12:21:00 PM Accession ID: **B6**

Test	Results	Reference Range	Units
TAURINE WB	B6	200 - 350	nmol/mL
TAURINE P		60 - 120	nmol/mL



13/207

B6

Printed Tuesday, October 09, 2018

Client: **B6**
Patient:

ARCHIEVED INS. CLAIM FORM 6/13

B6

Client: **B6**
Patient: **B6**

ARCHIVED RDVM RECORDS



REFERRAL

TUFTS UNIV
Cummings School of Vet
Henry and Lois Foster Hosp
300 Westboro Road
North Grafton, M
938-839-433

B6

Service to Which Referred: Echocardiogram Appointment Date: _____ Time: _____

OWNER INFORMATION:

Name: **B6** Daytime Phone: **B6** Evening Phone: **B6**
Address: **B6** City: **B6** State: **B6** Zip Code: **B6**

PATIENT INFORMATION:

Registered Name/ID: **B6**
Species: Cat Breed: Jordan Mix Sex: SE Age: **B6**

CLINICAL HISTORY

Chief Concern/Provisional Diagnosis: Heart murmur

Vaccination History: Lyx Rabies Vacc given 5/3/12, tox on 5/3/12, DAPP given 5/3/12, Bordetella given 5/3/12

Other History: _____

Diagnostic Test Results (if possible, please attach results): Abnormal

Are Radiographs included? NO

Current Therapy & Medication (include dosages): _____

Special Comments/Requests: _____

REFERRING VETERINARIAN INFORMATION

Name: **B6**
Phone: **B6**
Address: **B6**

Client:
Patient:

B6

ARCHIVED RDVM RECORDS

B6

Client: **B6**
Patient: **B6**

ARCHIVED RDVM RECORDS

B6

B6

Echocardiogram Report

Date: 12/17/2017
Name: **B6**
Age: 1
Breed: Terrier
Sex: Female
Weight: 17.7 kg (61.8 lbs)
Vet: Integrative Animal

Cardiac Measurements

B6

SI-Max: **B6**

Diastole: **B6**

Physical Exam:
HR: 136, regular rhythm, III/VI left basilar holosystolic heart murmur, the point of maximum intensity is over the aortic root, strong and synchronous with S1.

B6

Client: **B6**
Patient:

ARCHIEVED RDVM RECORDS

B6

Client: **B6**
Patient: **B6**

ARCHIEVED RDVM RECORDS

B6 **B6**

B6

B6

Client:
Patient:

B6

ARCHIEVED RDVM RECORDS

B6

Client:
Patient:

B6

ARCHIVED RDVM RECORDS

B6

Client: **B6**
Patient:

ARCHIEVED RDVM RECORDS

B6

INVOICE

B6

Client:
Patient:

B6

ARCHIEVED RDVM RECORDS

B6

B6

B6

Client: **B6**
Patient:

ARCHIEVED RDVM RECORDS

B6

B6

B6

Client: **B6**
Patient:

ARCHIVED RDVM RECORDS

B6

Laboratory Results

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

 TUFTS UNIVERSITY Petter Hospital for Small Animals 200 Westboro Road North Andover, MA 01845-1000 1-800-828-1100		Document Case Summary Copy To: B6 Status: FINAL Finalized: by B6 on 9/30/2013	
Client Information Client Name: B6 Address: B6 City: B6 Zip: B6 Home: B6 Work: B6		Patient Information Case Name: B6 Species: CANINE Sex: SF Breed: TERROX DOB: B6 R/Vet: B6	

Dates	
Description	Date
Discharge	B6
Admission	

Veterinary Medical Team	
Name	Title
B6	Emergency Clinician

To the Referring Veterinarian

B6

Diagnosis

Final diagnosis : Injury sustained following fall; wound repair; mild infectious myelopathy dorsal thorax; stable systemic heart weakness

Differential diagnosis :

Outcomes :

Procedures :

Recommendations :

Provisional diagnosis :

Non-visibility of :

Adverse events :

B6

4002943 4/3/2013

8221895/Case Summary/Mod/Roc Copy

B6

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient: **B6**

Archived Records 4/5/13-9/30/13

 TUFTS UNIVERSITY Foster Hospital for Small Animals 250 Waltham Road North Grafton, MA 01536-1000 1-508-829-1100		Document: Case Summary Copy To: RDVM Status: FINAL Finalized: by JLAMB01 on 9/26/2013	
Client Information		Patient Information	
Client Name: Address: City: Zip: Home#: Work#:	B6	Case#: Name: Species: CANINE Sex: SF BVet#:	B6 Breed: TERRIX DWB#: B6
Dates			
Description:		Date:	
Discharge:	B6		
Admission:			
Veterinary Medical Team			
Name:	B6	Title:	
		Emergency Clinician	
To the Referring Veterinarian			
Dear colleagues,			
Message			
B6			
Professional Report			
B6			
Thank you for partnering with us on the care of B6			
Sincerely,			
B6			

03/26/2013 4:43:30 PM

52216034Case SummaryRDVM Copy

B6

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



Tufts University
Foster Hospital for Small Animals
300 Western Road, N. Grafton, MA 01536

B6

Date: 9/20/13 Time: 6:30

B6

PHYSICAL EXAMINATION

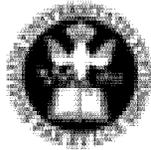
Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13

B6

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
FOSTER HOSPITAL FOR SMALL ANIMALS
300 Westboro Rd.
N. Andover, MA 01851
(978) 439-1300

B6

B6

B6

Procedures Performed and Future Plan:

B6

B6

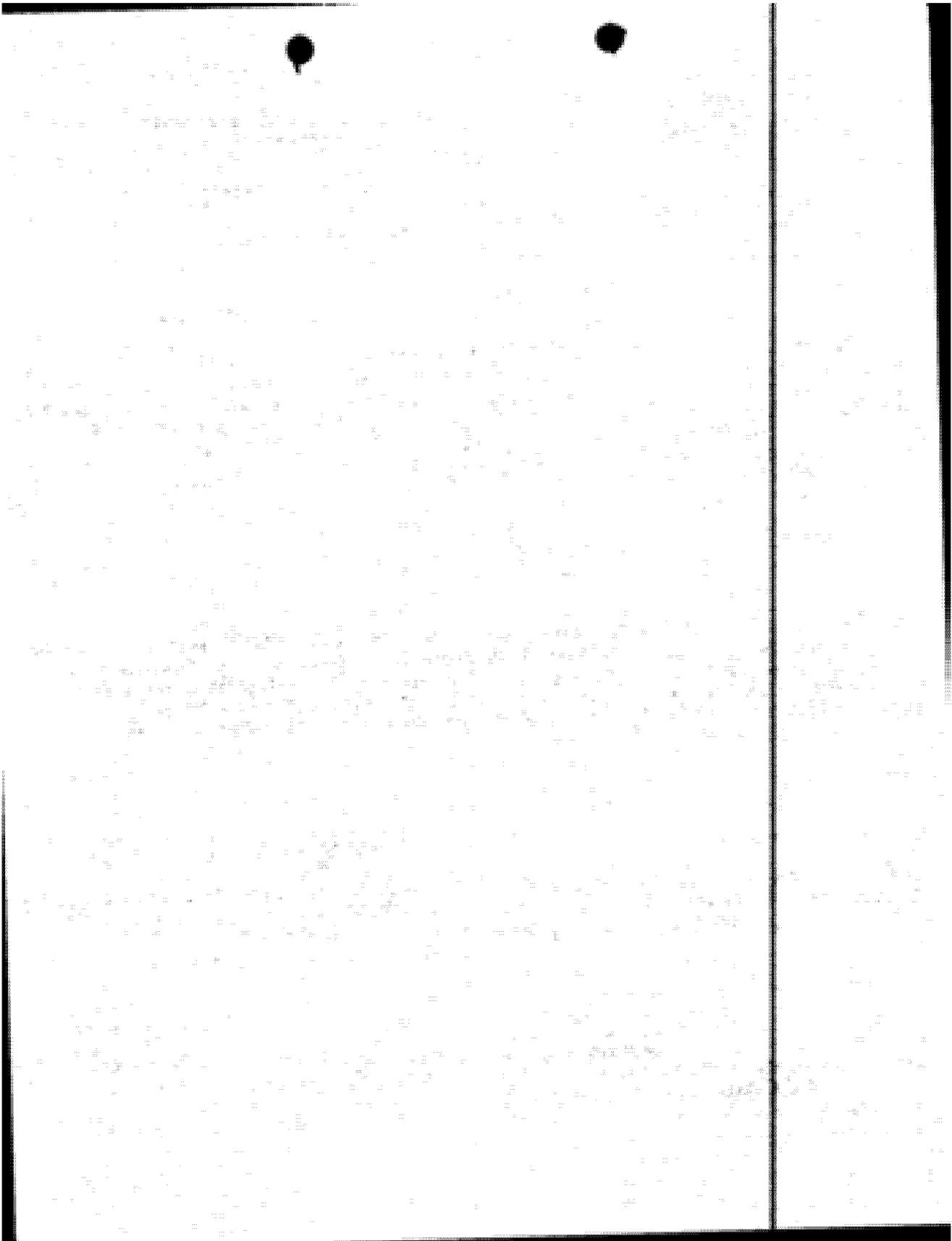
B6

MEDICAL RECORDS

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13



Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



Tufts University
Foster Hospital for Small Animals
300 Western Road, N. Grafton, MA 01534
508-833-5000

B6

Date of Birth		Sex		Breed		Color		Microchip	
Vaccination History		Flea Treatment		Heartworm Treatment		Ear Care		Dental Care	
Allergies		Diet		Exercise		Housing		Other	
Length of time you have owned your pet:		Has your pet ever traveled or resided outside of New England? <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, where/when:		Obtained from: <input type="checkbox"/> Friend <input type="checkbox"/> Breeder <input type="checkbox"/> Friend <input type="checkbox"/> Other <input type="checkbox"/> Pet Shop <input type="checkbox"/> Humane Society <input type="checkbox"/> Stray			
Pets Environment: <input type="checkbox"/> House <input type="checkbox"/> Apartment <input type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural		Confined to: <input type="checkbox"/> House <input type="checkbox"/> Fenced yard/patio <input type="checkbox"/> Runway <input type="checkbox"/> Other		Other Pets: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, animal type:		Blind: Brand: <input type="checkbox"/> Contact <input type="checkbox"/> Dry <input type="checkbox"/> Bath <input type="checkbox"/> Other		Feeding: Number of feedings per day: Amount given each feeding:	
Date of last fecal test: <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested		Feline Leukemia Test (FeLV): <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested		Date of last Flea/Tick Test: <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested					
Vaccination History: Type: Rabies Date: Type: _____ Date: _____ Type: _____ Date: _____		Feline Immunodeficiency Test (FIV): <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested		Heartworm Prevention: <input type="checkbox"/> Daily <input type="checkbox"/> Monthly <input type="checkbox"/> Not Given					

Presenting Complaint:

B6

MEDICAL HISTORY / ADMISSION

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

Client:
Patient:

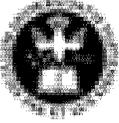
B6

Archived Records 4/5/13-9/30/13

B6

Client: **B6**
Patient: **B6**

Archived Records 4/5/13-9/30/13

 TUFTS UNIVERSITY Foster Hospital for Small Animals 250 Westboro Road North Andover, MA 01845-1001 1-978-439-5200	Document: Case Summary Copy To: MedRec Status: FINAL Finalized: by B6 on 9/3/2013
Clinical Information Client: Name: B6 Address: B6 City: B6 Zip: B6 Home: B6 Work: B6	Patient Information Case: B6 Name: B6 Species: CANINE Sex: SP Breed: TERR/X ICD9: B6 R/Visit: B6
Dates	
Description: B6	Date:
Admission: B6	
Discharge:	
Veterinary Medical Team	
Name: B6	Title:
	Emergency Clinician:
	Trainee/Student:
Diagnosis	
B6	
For medical of:	
Admission reason:	
Professional Report	
B6	
B6	B6 DVM

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13

B6

Client Report

B6

Patient Care Instructions

B6

Medications and Treatments

B6

6/8/2013 7:41:09 PM

8221695 Case Summary/Admission Copy

Kate Foreman, DVM

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

RECEIVED

RECEIVED Case Summary/Material Copy

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



Tulane University
Foster Hospital for Small Animals
3000 Western Road, N. Orlean, LA. 70130
504-520-5200

B6

DATE: _____		SPECIES: _____	
BREED: _____		SEX: _____	
AGE: _____		WEIGHT: _____	
LENGTH OF TAIL YOU HAVE COMBED YOUR PET: _____		HAS YOUR PET EVER TRAVELED OR REMOVED OUTSIDE OF HOME: _____	
If yes, where to: _____		If yes, where to: _____	
Obtained from: _____		Obtained from: _____	
Pet's Environment: _____		Other Pets: _____	
Classified as: _____		Diet: _____	
Date of last fecal test: _____		Feline Leukemia Test (FeLV): _____	
Feline Immunodeficiency Test (FIV): _____		Date of last Heartworm Test: _____	
Presenting Condition: <u>Dry weight</u>			

B6

Rec: **B6**
Med: none

MEDICAL HISTORY / ADMISSION

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



Tulane University
Center Hospital for Small Animals
200 Westbark Road, N. Gretna, MA 01336

B6

Date:		Time:	
Body Condition (1-9)	Body Weight	Temperature	Temperature

B6

FORM 1000 (REV. 10/02)

PHYSICAL EXAMINATION

COVER

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

Client: **B6**
Patient: **B6**

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
PORTER HOSPITAL FOR SMALL ANIMALS
550 Westboro Road, N. Andover, MA 01860

B6

IV CATHETER SITE(S): **B6** DATE PLACED: **B6** INITIALS: _____

CLINICAL SUMMARY: *6002* **B6** _____

DATE: *9/8/13* CASE # *8/16/13* DIET: *MLL* WATER: _____ WEIGHT: *64 lb*

TREATMENT PLAN MONITORING
RECORD OBSERVATIONS ON BACK *29 FV8*

B6

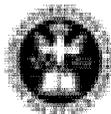
FORM 1000 (REV. 1/02)

DAILY RECORD

PAGE _____ OF _____

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
FOSTER HOSPITAL FOR SMALL ANIMALS
200 Western Road, N. Grafton, MA 01536

B6

IV CATHETER SITE(S): _____ DATE PLACED: _____

CLINICAL SUMMARY: *pg 2*

DATE: _____ CAGE #: _____ DIET: _____ WATER: _____ WEIGHT: _____

TREATMENT PLAN _____ MONITORING _____
RECORD OBSERVATIONS

B6

	6:00 a.m.								
	7:00 a.m.								

STUDENT: _____ CLERKING: **B6**

HOME PHONE NO.: _____

FORM 1020 (REV. 8/06)

DAILY RECORD

PAGE _____ OF _____

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13

Released Patient Result

Patient ID: **B6**
Patient Name:
Time Analyzed: 09/08/2013 12:02:20 PM
Analyzer ID: Z31C12020
Sample Type: Venous
Parent: Critical Care
Analyzed On: 123456
Released By: autp

B6

Required Fields:
Accession #: **B6**

Optional Fields:
Patient ID: 123456789
Last Name:
First Name:

B6

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

B6

DATE: 04/05/13

Signature

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13

Tufts University
Foster Hospital for Small Animals
North Grafton, MA 01536
(508) 839-5395

TREATMENT PLAN

DATE: 9/8/13 CLINICIAN: **B6**
ESTIMATED COST: 600-1100 REPORT: 825

B6

This estimate is based upon our preliminary examination. Every effort will be made to keep you informed of the current status of your pet throughout the procedure. ~~Every effort will be made to keep you informed of the current status of your pet throughout the procedure.~~

B6

I hereby authorize the performance of the above described procedure on my pet. I also certify that I have read and fully understand the authorization for medical and/or surgical treatment. The reason why such medical and/or surgical treatment is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to my pet. I agree to pay 25% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when patient is released. Procedural billing is inclusive up to and including the estimated duration of hospitalization. There will be additional charges incurred if hospitalization extends beyond the specified duration.

B6

9/8/13
Date

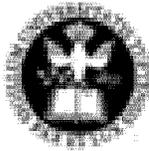
Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
FOSTER HOSPITAL FOR SMALL ANIMALS
200 Westboro Rd.
N. Grafton, MA 01936
508-529-5000

B6

Service **B6**

Date: 7-3-13 *Procedures performed*

B6

Procedures Performed and Future Plan:

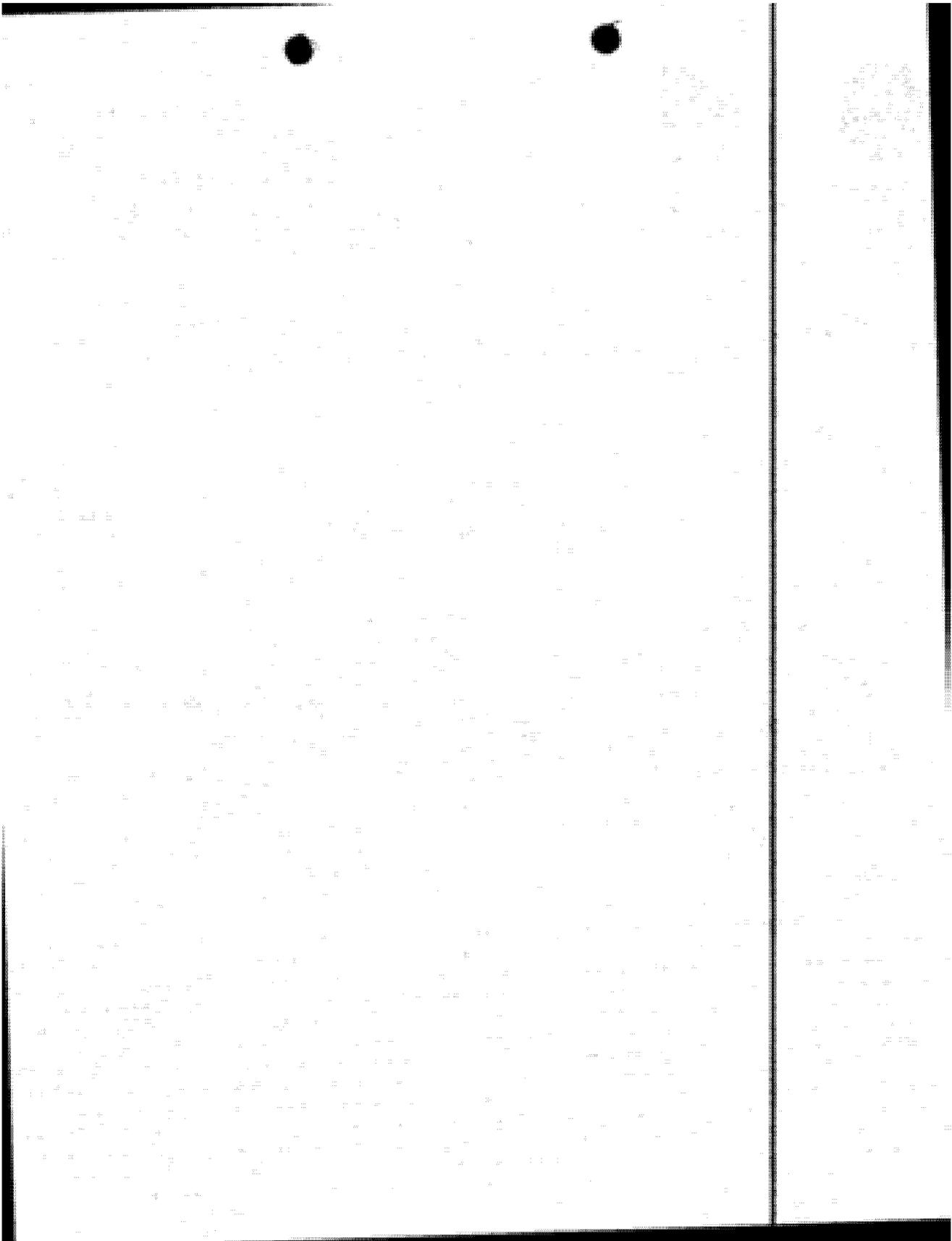
B6

MEDICAL RECORDS

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13



Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13

 TUFTS UNIVERSITY Peters Hospital for Small Animals 200 Waltham Road North Andover, MA 01845-1000 1-800-831-1000		Document Case Summary Copy To: MedRec Status: FINAL Finalized: by B6 on 6/23/2013	
Client Information		Patient Information	
Client Name: B6	Client Address: B6	Client City: B6	Client Zip: B6
Client Home: B6	Client Work: B6	Client Species: CANINE	Client Breed: TERRIX
		Client Sex: SF	Client Race: B6
		Client H/Vet: B6	

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13

5221055/Case Summary/ModR.../BIARYADI

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient: **B6**

Archived Records 4/5/13-9/30/13

B6

Patent Care Instructions

B6

B6

B6

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



Tulane University
Porter Hospital for Small Animals
300 Westmore Road, N. Orleans, LA 70130
504-629-6299

B6

Name (Last, First, Middle)		DOB		Sex					
Breed		Color		Microchip					
Address		City		State					
Phone		Fax		E-mail					
Length of time you have owned your pet:		Has your pet ever traveled or resided outside of your home? If yes, where/when:		Obtained from: <input type="checkbox"/> Breed <input type="checkbox"/> Breeder <input type="checkbox"/> Friend <input type="checkbox"/> Other <input type="checkbox"/> Pet Shop <input type="checkbox"/> Humane Society <input type="checkbox"/> Sirey					
Pet's Environment: <input type="checkbox"/> House <input type="checkbox"/> Apartment <input type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural		Conditioned to: <input type="checkbox"/> House <input type="checkbox"/> Fenced yard/train <input type="checkbox"/> Farms <input type="checkbox"/> Other		Other Pets: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, animal type:		Diet: Breed _____ <input type="checkbox"/> Commercial <input type="checkbox"/> Dry <input type="checkbox"/> Soft <input type="checkbox"/> Other		Feeding: Number of feedings per day: Amount given each feeding:	
Date of last Fecal Test: <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested		Feline Leukemia Test (FeLV): <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested		Date of last Heartworm Test: <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested					
Vaccination History: Type: _____ Date: Type: _____ Date: Type: _____ Date:		Feline Immunodeficiency Test (FIV): <input type="checkbox"/> Tested - Date: <input type="checkbox"/> Not Tested		Heartworm Prevention: <input type="checkbox"/> Daily <input type="checkbox"/> Monthly <input type="checkbox"/> Not Given					

Presenting Complaint:

B6

MEDICAL HISTORY / ADMISSION

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13



Tufts University
Foster Hospital for Small Animals
288 Waverley Road, N. Grafton, MA 01536

B6

Date:		Time:	
Body Condition (1-6)	Body Weight	Temperature	
<input type="checkbox"/> In anesthetic <input type="checkbox"/> In office <input type="checkbox"/> In house			
General Appearance (1)	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (2)	Integumentary	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (3)
Respiratory (4)	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (5)	Digestion	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (6)
Circulatory (7)	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (8)	Lymph Nodes	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (9)
Eyes (10)	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (11)	Ears	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (12)
Describe abnormal, using code numbers as above, for systems		Musculo-Skeletal	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (13)
		Dento-Urinary	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (14)
		Nervous	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (15)
		Mucous Membranes	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (16)
		Gen. Appearance	N.A.F. <input type="checkbox"/> Abnorm. <input type="checkbox"/> Not Ex. <input type="checkbox"/> (17)

B6

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

The table consists of approximately 40 rows and one column. The cells are mostly empty, with some faint, illegible markings. There are two large black circular artifacts at the top of the page, likely from hole punches.

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13

B6

B6

Notice of Patient Visit

Date: **B6** Case No: **B6**

Referring Doctor: **B6**

Client Name: **B6**
Patient Name: **B6**

Dear Colleague,

The above-named animal patient presented to our Emergency Service, whose owner has indicated that you are the primary care veterinarian. We want you to know that your client and patient have been seen by us. Please be apprised of the following:

The admitting doctor was: **B6**

The attending doctor is: **B6**

The reason for admission to the FHSA is: **B6**

If you have **B6** regarding this particular case, please call 508-887-4988 to reach the **B6** Service. Information is updated, daily, by noon.

Thank you for your referral to our Emergency Service.

Faxed: (Date) **B6** (Time) _____ AM / PM (Circle one)

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13

B6

Client:
Patient:

B6

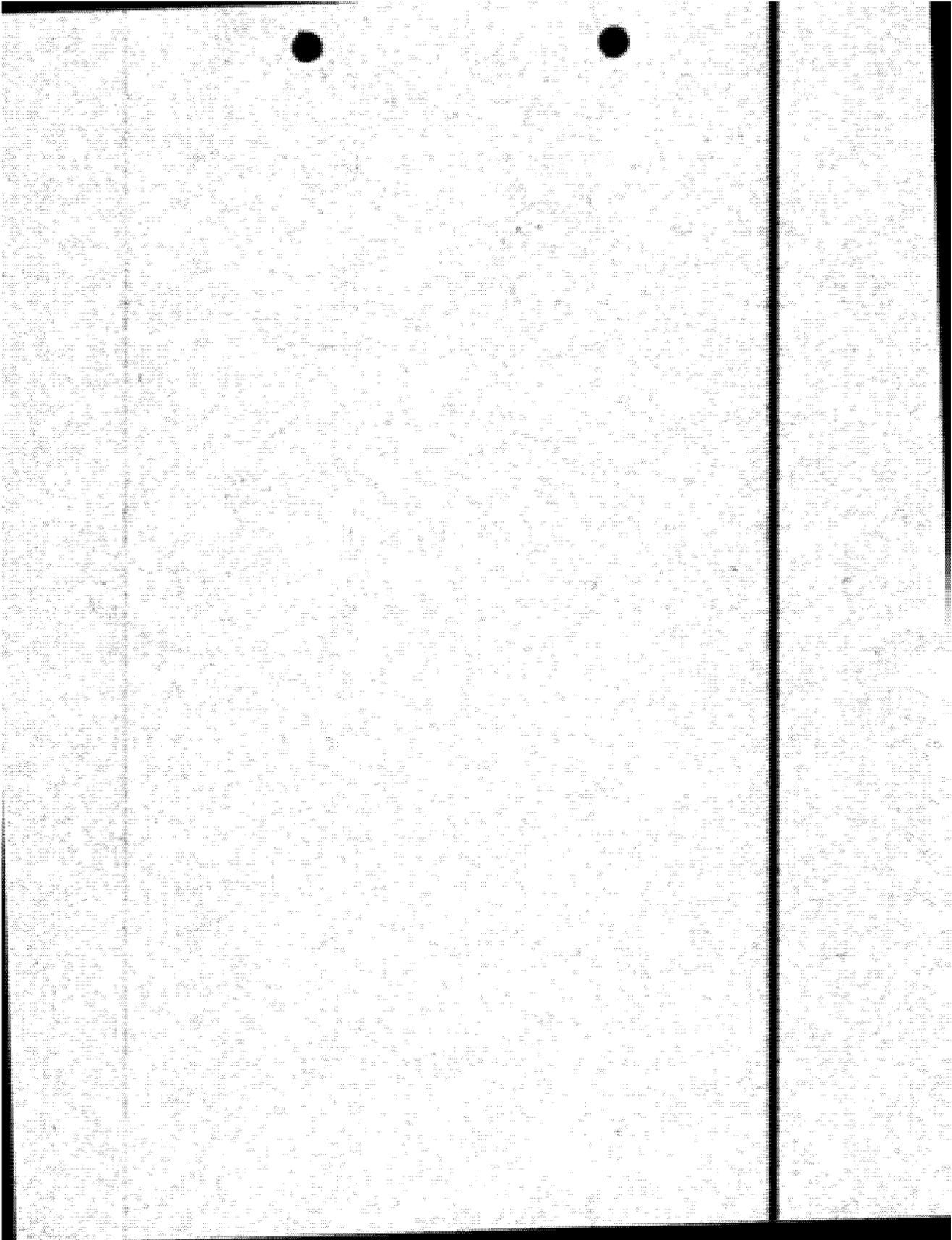
Archived Records 4/5/13-9/30/13

B6

Client:
Patient:

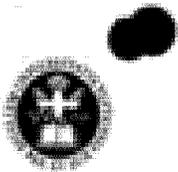
B6

Archived Records 4/5/13-9/30/13



Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
POSTER HOSPITAL FOR SMALL ANIMALS
200 Waltham Road, N. Grafton, MA 01506

B6

IV CATHETER SITES

B6

catrider

B6

PHONE AREA PREFIX: 508

HOME PHONE NO. _____

DAILY RECORD

PAGE _____ OF _____

Client:
Patient:

B6

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
FOSTER HOSPITAL FOR SMALL ANIMALS
200 Western Road, N. Grafton, MA 01834

B6

IV CATHETER SITE(S): _____ DATE PLACED: _____ INITIALS: _____
CLINICAL SUMMARY: _____ *P92*

B6

	12:00 a.m.
	1:00 a.m.
	2:00 a.m.
	3:00 a.m.
	4:00 a.m.
	5:00 a.m.
	6:00 a.m.
	7:00 a.m.

STUDENT: _____

B6

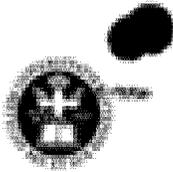
FORM 850 (REV. 8/92)

DAILY RECORD

PAGE ____ OF ____

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
FOSTER HOSPITAL FOR SMALL ANIMALS
200 Waverton Road, N. Groton, MA 01538

B6

IV CATHETER SITE(S):
CLINICAL SUMMARY:

B6

DATE PLACED:

INITIALS:

B6

STUDENT:

CLINICIAN:

HOME PHONE NO.:

B6

FORM 4322 (REV. 8/92)

DAILY RECORD

PAGE OF

Client: **B6**
Patient:

Archived Records 4/5/13-9/30/13



TUFTS UNIVERSITY
FOSTER HOSPITAL FOR SMALL ANIMALS
200 Western Road, N. Grafton, MA 01536

B6

IV CATHETER SITE(S): **B6** DATE PLACED: INITIALS:

CLINICAL SIGNIFY:

B6

FORM 1001 (REV. 4/02)

DAILY RECORD

PAGE _____ OF _____

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 2/24/2019 11:57:16 PM
Subject: [REDACTED] **B6**
Attachments: bnp 1-17-19.pdf; cardio report 1-17-19.pdf; discharge 1-17-19.pdf

Hi Jen

This is for [REDACTED] **B6**

Your initial Pet Food Safety Report , Submitted by: Lisa Freeman, ID 244864, was successfully submitted on 10/9/2018 10:05:22 AM EST to the FDA, and it was issued an Individual Case Safety Report Number (ICSR) of 2055827.

Dog had recheck 1/17/19 and had significantly improved myocardial contractility after diet change (and lower BNP) – reports attached

We will recheck again in April

Thanks

Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

Client: **B6**
Patient: **B6**
Species: CANINE
Breed: AMERICAN_PYT_BU
Gender: FEMALE
Age: 7Y

Date: 01/17/2019
Requisition #: 221035
Accession #: **B6**
Ordered by: RUSH

IDEXX VetConnect 1-888-433-9987
TUFTS UNIVERSITY
200 WESTBORO RD
NORTH GRAFTON, Massachusetts 01536
508-839-5395
Account #88833

CARDIOPET proBNP - CANINE

Test	Result	Reference Range	Low	Normal	High
CARDIOPET proBNP - CANINE	B6	0 - 900 pmol/L			B6

Comments:

1. **B6**

Please note: Complete interpretive comments for all concentrations of Cardiotest proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

From: Andrea Fascetti <ajfascetti@ucdavis.edu>
To: Jones, Jennifer L
Sent: 6/14/2019 5:51:24 PM
Subject: Re: Amino Acid Contract Updates
Attachments: Normal Dog U AA 06142019.xlsx

Hi Jen - Please find attached results for normal dogs.

Let me know if you have any questions about these findings.

Is it possible to set up a call - I had a few questions that might be easier to discuss in person regarding your email.

I am out on vacation next week - we will be in **B6** but if you are available, I should have some time on Monday to chat (at least we would both be on the same time zone).

Might that work for you?

Kind regards -

Andrea

On Jun 13, 2019, at 11:42 AM, Jones, Jennifer L <jennifer.jones@fda.hhs.gov> wrote:

Greetings Andrea and **B6**
I wanted to touch base about the contract and discuss next steps.

B5

Thank you, and I hope all is well.

Kind regards,
Jen

Jennifer L. A. Jones, DVM

Veterinary Medical Officer
U.S. Food & Drug Administration
Center for Veterinary Medicine
Office of Research
Veterinary Laboratory Investigation and Response Network (Vet-LIRN)

8401 Muirkirk Road, G704
Laurel, Maryland 20708
new tel: 240-402-5421
fax: 301-210-4685
e-mail: jennifer.jones@fda.hhs.gov
Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>
<image005.png> <image006.png>

From: Palmer, Lee Anne </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CF7C8BD53B6C45A39318A596ACEA7C53-LPALMER>
To: Jones, Jennifer L
CC: Carey, Lauren
Sent: 7/30/2019 12:28:35 AM
Subject: Made one edit on one slide - could you please bring this one to AVMA?
Attachments: FDA CVM_DCM presentation to AVMA meeting 8.2.2019.pptx

Thanks!

Lee Anne

Lee Anne M. Palmer, VMD, MPH

Acting Director, Division of Veterinary Product Safety

**Center for Veterinary Medicine
Office of Surveillance and Compliance
U.S. Food and Drug Administration**

Tel: 240-402-5767

Leeanne.palmer@fda.hhs.gov



From: Carey, Lauren </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=F0226BD682844FA2B71EA3750D4FCB82-LAUREN.CARE>
To: Norris, Anne
CC: Palmer, Lee Anne; Jones, Jennifer L
Sent: 12/6/2018 7:43:49 PM
Subject: DCM Epi #'s
Attachments: December 2018 DCM Update.doc

Anne,

Forwarding our numbers to you. Lee Anne and Jen have had a chance to look at it, so I think we're all on the same page on our side. Let me know what I can help with.

Thanks,
Lauren

Lauren Carey, DVM

Veterinary Medical Officer / Adverse Event Review Team

**Center for Veterinary Medicine
Office of Surveillance and Compliance
U.S. Food and Drug Administration**

Tel: 240-402-5732

Fax: 240-276-9993

Lauren.Carey@fda.hhs.gov



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 11/8/2018 11:25:35 AM
Subject: RE: reported cases

Hi Jen

You should have B6 now – I submitted him on 10/25/18 (report 246795).

I have about 8 more to report that I've gotten behind on – I'll catch up on those this weekend.

Darcy, Josh, Ryan, John, and I wrote an update on the DCM issue which will be published in JAVMA Dec 1. We've been hearing a lot of confusion and misinformation so hopefully this will remind people that it's not just taurine deficiency and it's not just grain-free diets. And that people should be reporting cases to you to help get this figured out quickly. So, you may start to get more cases reported.

Also, I was talking to Darcy yesterday and we were wondering if it would be worth another call to catch up.
Thanks!
Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Sent: Wednesday, November 07, 2018 10:11 AM
To: Freeman, Lisa <lisa.freeman@tufts.edu>
Subject: RE: reported cases

Hi Lisa,

We have all of the cases you listed below except B6 It's fine to send me the additional records for the cases 😊

Thank you for your tireless efforts at getting us the information.

It's greatly appreciated!!

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: Monday, October 01, 2018 3:51 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: reported cases

Hi Jen

I was looking through which cases I've submitted (have a bunch more to add) and saw that 3 were in a separate

account and there a few that are not showing up as having been reported.
1. Could you check to see that these 3 are listed as having been reported?

My Reports

Draft Reports

Click column header to sort the column

Date Saved (EST) MM/DD/YYYY	Report ID	Title	Report Type	Description
You have no draft reports click on Start New Report to begin				
Start New Report	Edit	Delete		

Please make sure an appropriate group is selected from the left navigation menu before creating a report.

Submitted Reports Available for Follow-Up

Search for Submitted Reports

Click column header to sort the column

Date Submitted (EST) MM/DD/YYYY	Report ID	ICSR #	Title	Report Type	Description
<input type="radio"/> 06/04/2018 04:47:10 PM	234836 (1)	2048966 (1)	B6		Voluntary Reportable Food Report (Section 1005 of Public Law 110-85) (V2)
<input type="radio"/> 05/19/2018 05:44:12 PM	234154 (1)	2048088 (1)	B6		Voluntary Reportable Food Report (Section 1005 of Public Law 110-85) (V2)
<input type="radio"/> 04/20/2018 03:40:30 PM	231833 (1)	2046176 (1)	B6 DCM		Voluntary Reportable Food Report (Section 1005 of Public Law 110-85) (V2)
Start Follow-up Report	View	View PDF			« < Page 1 of 1 > »

[PRIVACY POLICY](#) | [FREEDOM OF INFORMATION ACT](#) | [ACCESSIBILITY](#) | [DISCLAIMER](#)

2. Also, I have a 3 others that are not listed in my account but I'm pretty sure I reported. If not, I'll get them submitted:

⋮ **B6**

3. I keep sending you the extra medical records that won't fit in the reporting portal. Is there someone else I should send these to so I don't keep clogging your inbox?

Many thanks
Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: Palmer, Lee Anne
CC: Carey, Lauren; Hartogensis, Martine
Sent: 6/26/2018 5:58:55 PM
Subject: RE: If you can share the new file from the Cardiologists that mention Nutro, that would be great - thanks!
Attachments: CVCA-Diet Breakdown by Brand.xlsx; CVCA-Diet Breakdown by Breed.xlsx

Absolutely! These are the two we received from CVCA. I've included them in my indexing. The really interesting brand is Natural Balance Grain Free-These are 3 labrador retrievers-no legumes but a ton of starch from potatoes.

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Palmer, Lee Anne
Sent: Tuesday, June 26, 2018 1:31 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Subject: If you can share the new file from the Cardiologists that mention Nutro, that would be great - thanks!

Hi Jen – I apologize if I missed the email, but please send the new cases – thanks!

Lee Anne

Lee Anne M. Palmer, VMD, MPH
Team Leader HFV-242, Supervisory VMO

Center for Veterinary Medicine
OSC, Division of Veterinary Product Safety
U.S. Food and Drug Administration
Tel: 240-402-5767
Leeanne.palmer@fda.hhs.gov



Withheld in Full as B5

Withheld in Full as B5

**DOCUMENT
PRODUCED IN NATIVE**

From: Reimschuessel, Renate </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4C00C47AE2794134B2906D6B9252FCF6-RREIMSCH>
To: Norris, Anne; Jones, Jennifer L; Rotstein, David; Edwards, David; Hartogensis, Martine; Burkholder, William; Palmer, Lee Anne; DeLancey, Siobhan
CC: Carey, Lauren; Lovell, Randall A; Ceric, Olgica; Nemser, Sarah; Conway, Charlotte; Atkinson, Krisztina Z; Hodges, April
Sent: 5/22/2018 12:36:06 PM
Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

That sounds like a reasonable approach

Renate Reimschuessel V.M.D. Ph.D. Vet-LIRN

Phone 1-240-402-5404

Fax 301-210-4685

<http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>

From: Norris, Anne

Sent: Tuesday, May 22, 2018 8:34 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

From: Jones, Jennifer L

Sent: Tuesday, May 22, 2018 8:31 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David
Sent: Tuesday, May 22, 2018 8:25 AM
To: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>
Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

B5

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Reimschuessel, Renate
Sent: Tuesday, May 22, 2018 8:18 AM
To: Edwards, David <David.Edwards@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>
Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

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Just some food for thought... rr

Renate Reimschuessel V.M.D. Ph.D. Vet-LIRN
Phone 1-240-402-5404
Fax 301-210-4685
<http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>

From: Edwards, David

Sent: Tuesday, May 22, 2018 7:54 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Hi everyone,

B5

B5

B5

B5

Thanks,
Dave

From: Rotstein, David
Sent: Monday, May 21, 2018 7:49 AM
To: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogenesis, Martine
Sent: Monday, May 21, 2018 7:47 AM
To: Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Thanks Bill and your concerns are noted!

B5

B5

Thank you all for your help and dedication to this fascinating issue!

Martine

From: Burkholder, William

Sent: Friday, May 18, 2018 5:04 PM

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

B5

Bill

What Socrates is really supposed to have said: *"The only true wisdom is in knowing that you know nothing."

From: Palmer, Lee Anne

Sent: Friday, May 18, 2018 2:09 PM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Thanks, Jen, very interesting issue!

B5

B5

I also cleaned up and (added a few things). Thanks – hope we can figure this one out!

B5

Lee Anne

From: Jones, Jennifer L

Sent: Friday, May 18, 2018 1:54 PM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

Any other ideas or suggestions?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Hartogensis, Martine

Sent: Friday, May 18, 2018 11:58 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel,

Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Thank you Jen! Sounds good and looking forward to the meeting.

Martine

From: Jones, Jennifer L

Sent: Friday, May 18, 2018 6:42 AM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Hartogensis, Martine

Sent: Thursday, May 17, 2018 7:52 PM

To: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Yes, excellent work! One question though...

B5

B5

Thanks in advance!

Martine

From: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Date: May 17, 2018 at 2:27:35 PM EDT

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Indeed! Brands mentioned included California Naturals, Rachel Ray, Ellen DeGeneres' Halo brand - esp the vegan formulation - and a few other niche brands I didn't catch.

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 17, 2018 at 2:14:48 PM EDT

To: DeLancey, Siobhan <Siobhan.DeLancey@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Hah! Perfect timing! We're all heading down the same path...

From: DeLancey, Siobhan

Sent: Thursday, May 17, 2018 2:13 PM

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

As luck would have it, I'm at CE today listening to B6 from B6 talk about nutrition and cardiomyopathies. See attached slide.

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 17, 2018 at 2:06:04 PM EDT

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.DeLancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

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B5

B5

From: Hartogenesis, Martine

Sent: Thursday, May 17, 2018 11:59 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Excellent work Jen!!

B5

Martine

From: Jones, Jennifer L

Sent: Thursday, May 17, 2018 11:29 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

Please see the PPT for the rationale/summary

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David

Sent: Monday, May 14, 2018 10:22 AM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

I do not know: **B5** Once we get a better handle on a specific cause, we can work on that.

From: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>

Date: May 14, 2018 at 9:09:17 AM EDT

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell,

Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

This is very interesting.

B5

. Dave, do you

B5

B5

Martine

From: Palmer, Lee Anne

Sent: Friday, May 11, 2018 4:30 PM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

From: Rotstein, David

Sent: Friday, May 11, 2018 4:14 PM

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

Lee Anne,

This is fantastic.

B5

B5

B5

B5

???

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 11, 2018 at 4:06:05 PM EDT

To: Rotstein, David <David.Rotstein@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>,

Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

B5

I'll final this up next week, have to get to other things yet today. Have a great weekend! J Lee Anne

B5

From: Rotstein, David

Sent: Wednesday, May 9, 2018 4:13 PM

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine

<Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>;

Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

Sounds very intriguing!!!

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 9, 2018 at 4:09:18 PM EDT

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

From: Hartogensis, Martine

Sent: Wednesday, May 9, 2018 2:17 PM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

Awesome, thank you Dave!

Martine

From: Rotstein, David

Sent: Wednesday, May 09, 2018 2:06 PM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

Good Afternoon,

I spoke with **B6** @ Cardiac Care for Pets. He is going to look into times/dates with the cardiologists there and we can set the meeting up from that point.

B5

As a side note, there is a facebook page dedicated to this issue:

<https://www.facebook.com/groups/1952593284998859/about/>

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)





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From: Hartogensis, Martine
Sent: Tuesday, May 08, 2018 10:58 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Jen and Dave! Very interesting and sounds like you all are on it! The resident I spoke to was Dr.

B6

B6

Keep us posted!

Thanks again!

Martine

Hi Martine,

B5

B5

I'm happy to share more info as needed.
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David
Sent: Tuesday, May 08, 2018 9:45 AM

To: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: DCM

Martine,

Jen and I spoke with cardiologists from NCSU and a few other institutions. That's how we were able to get the information.

B5

B5

B5

Looping in Jen.

Thanks for the update!

dave

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogenesis, Martine
Sent: Tuesday, May 08, 2018 9:00 AM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Dave! We did not go around yesterday because the Vet-LIRN folks came in for their routine presentation.

B5

B5

Martine

From: Rotstein, David
Sent: Monday, May 07, 2018 1:13 PM
To: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>
Subject: Re: DCM

Martine

B5

B5

B5

There's a way to go on this moving forward.

Dave

From: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>
Date: May 7, 2018 at 1:03:13 PM EDT
To: Rotstein, David <David.Rotstein@fda.hhs.gov>
Subject: DCM

Hi Dave!

Do you have any more details on the DCM and grain free diet issue?

Martine

From: Palmer, Lee Anne </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CF7C8BD53B6C45A39318A596ACEA7C53-LPALMER>
To: Norris, Anne; Rotstein, David; Jones, Jennifer L; Reimschuessel, Renate; Edwards, David; Hartogensis, Martine; Burkholder, William; DeLancey, Siobhan
CC: Carey, Lauren; Lovell, Randall A; Ceric, Olgica; Nemser, Sarah; Conway, Charlotte; Atkinson, Krisztina Z; Hodges, April
Sent: 5/22/2018 1:12:50 PM
Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

From: Norris, Anne
Sent: Tuesday, May 22, 2018 8:49 AM
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>
Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

That should be fine. I apologize if we already discussed this.

B5

B5

From: Palmer, Lee Anne
Sent: Tuesday, May 22, 2018 8:39 AM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte

<Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

B5

From: Rotstein, David

Sent: Tuesday, May 22, 2018 8:37 AM

To: Norris, Anne <Anne.Norris@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

Anne,

Agreed.

B5

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Norris, Anne

Sent: Tuesday, May 22, 2018 8:34 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

From: Jones, Jennifer L

Sent: Tuesday, May 22, 2018 8:31 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David

Sent: Tuesday, May 22, 2018 8:25 AM

To: Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

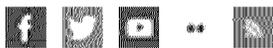
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison

CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Reimschuessel, Renate
Sent: Tuesday, May 22, 2018 8:18 AM
To: Edwards, David <David.Edwards@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>
Subject: RE: 800.267-DCM and meeting with Cardiac Care for Pets

B5

Just some food for thought.... rr

Renate Reimschuessel V.M.D. Ph.D. Vet-LIRN
Phone 1-240-402-5404
Fax 301-210-4685
<http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>

From: Edwards, David

Sent: Tuesday, May 22, 2018 7:54 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Hi everyone,

B5

Thanks,
Dave

From: Rotstein, David

Sent: Monday, May 21, 2018 7:49 AM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>; Hodges, April <April.Hodges@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogensis, Martine
Sent: Monday, May 21, 2018 7:47 AM
To: Burkholder, William <William.Burkholder@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Thanks Bill and your concerns are noted!

B5

Jen, does CVCA know we need individual complaints for each case? We need to tell them and we may only reach a subset of the cases.

Thank you all for your help and dedication to this fascinating issue!

Martine

From: Burkholder, William
Sent: Friday, May 18, 2018 5:04 PM
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Conway, Charlotte <Charlotte.Conway@fda.hhs.gov>; Edwards, David <David.Edwards@fda.hhs.gov>; Atkinson, Krisztina Z <Krisztina.Atkinson@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

B5

Bill

What Socrates is really supposed to have said: *"The only true wisdom is in knowing that you know nothing."

From: Palmer, Lee Anne

Sent: Friday, May 18, 2018 2:09 PM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

I also cleaned up and
this one out!

B5

added a few things). Thanks – hope we can figure

Lee Anne

From: Jones, Jennifer L

Sent: Friday, May 18, 2018 1:54 PM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

Any other ideas or suggestions?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Hartogensis, Martine

Sent: Friday, May 18, 2018 11:58 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Thank you Jen! Sounds good and looking forward to the meeting.

Martine

From: Jones, Jennifer L

Sent: Friday, May 18, 2018 6:42 AM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Hartogenesis, Martine
Sent: Thursday, May 17, 2018 7:52 PM
To: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

Thanks in advance!

Martine

From: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Date: May 17, 2018 at 2:27:35 PM EDT
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Indeed! Brands mentioned included California Naturals, Rachel Ray, Ellen DeGeneres' Halo brand - esp the vegan formulation - and a few other niche brands I didn't catch.

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Date: May 17, 2018 at 2:14:48 PM EDT
To: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Hah! Perfect timing! We're all heading down the same path...

From: DeLancey, Siobhan

Sent: Thursday, May 17, 2018 2:13 PM

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

As luck would have it, I'm at CE today listening to B6 talk about nutrition and cardiomyopathies. See attached slide.

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 17, 2018 at 2:06:04 PM EDT

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

B5

From: Hartogensis, Martine

Sent: Thursday, May 17, 2018 11:59 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Excellent work Jen!!

Just a few questions

B5

B5

B5

Martine

From: Jones, Jennifer L

Sent: Thursday, May 17, 2018 11:29 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

B5

Please see the PPT for the rationale/summary

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David
Sent: Monday, May 14, 2018 10:22 AM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

I do not know **B5** Once we get a better handle on a specific cause, we can work on that.

From: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Date: May 14, 2018 at 9:09:17 AM EDT
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

This is very interesting. **B5** ...Dave, do you have any idea

B5

Martine

From: Palmer, Lee Anne
Sent: Friday, May 11, 2018 4:30 PM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

B5

From: Rotstein, David
Sent: Friday, May 11, 2018 4:14 PM
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Lee Anne,

This is fantastic

B5

B5

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Date: May 11, 2018 at 4:06:05 PM EDT
To: Rotstein, David <David.Rotstein@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Hi there – it is still VERY ROUGH (will final it up next week sometime)

B5

B5

I'll final this up next week, have to get to other things yet today. Have a great weekend! J Lee Anne

B5

From: Rotstein, David
Sent: Wednesday, May 9, 2018 4:13 PM
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
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Subject: RE: DCM and meetign with Cardiac Care for Pets

Sounds very intriguing!!!

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Date: May 9, 2018 at 4:09:18 PM EDT
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

From: Hartogensis, Martine
Sent: Wednesday, May 9, 2018 2:17 PM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Awesome, thank you Dave!

Martine

From: Rotstein, David
Sent: Wednesday, May 09, 2018 2:06 PM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Good Afternoon,

I spoke with B6 @ Cardiac Care for Pets. He is going to look into times/dates with the cardiologists there and we can set the meeting up from that point.

B5

As a side note, there is a facebook page dedicated to this issue:

<https://www.facebook.com/groups/1952593284998859/about/>

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogensis, Martine
Sent: Tuesday, May 08, 2018 10:58 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Jen and Dave! Very interesting and sounds like you all are on it! The resident I spoke to was Dr.

B6

B6

Keep us posted!

Thanks again!

Martine

Hi Martine,

B5

I'm happy to share more info as needed.

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David

Sent: Tuesday, May 08, 2018 9:45 AM

To: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Subject: RE: DCM

Martine,

Jen and I spoke with cardiologists from NCSU and a few other institutions. That's how we were able to get the information.

B5

Looping in Jen.

Thanks for the update!

dave

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogensis, Martine
Sent: Tuesday, May 08, 2018 9:00 AM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Dave! We did not go around yesterday because the Vet-LIRN folks came in for their routine presentation.

B5

Martine

From: Rotstein, David
Sent: Monday, May 07, 2018 1:13 PM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Subject: Re: DCM

Martine

B5

There's a way to go on this moving forward.

Dave

From: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>

Date: May 7, 2018 at 1:03:13 PM EDT

To: Rotstein, David <David.Rotstein@fda.hhs.gov>

Subject: DCM

Hi Dave!

Do you have any more details on the DCM and grain free diet issue?

Martine

**DOCUMENT
PRODUCED IN NATIVE**

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: Schmidt, Rich
CC: Ceric, Olgica
Sent: 5/7/2018 10:41:29 AM
Subject: Vet-LIRN samples for testing (800.267)
Attachments: 800.267-Covance lab sub form-5.4.2018.xls

Good morning Rich,
We shipped another set of samples for testing. The tracking is:

Tracking Number: [1ZA4420T0193137321](#)

It should arrive by close of business today.

Thank you,

Jen

Jennifer L. A. Jones, DVM

Veterinary Medical Officer
U.S. Food & Drug Administration
Center for Veterinary Medicine
Office of Research
Veterinary Laboratory Investigation and Response Network (Vet-LIRN)
8401 Muirkirk Road, G704
Laurel, Maryland 20708
new tel: 240-402-5421
fax: 301-210-4685
e-mail: jennifer.jones@fda.hhs.gov
Web: <http://www.fda.gov/AnimalVeterinary/ScienceResearch/ucm247334.htm>



From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: Rotstein, David; Hartogensis, Martine; Palmer, Lee Anne
CC: Burkholder, William; Carey, Lauren; Norris, Anne; DeLancey, Siobhan; Lovell, Randall A; 'Reimschuessel, Renate (Renate.Reimschuessel@fda.hhs.gov)'; Ceric, Olgica; Nemser, Sarah
Sent: 5/17/2018 3:28:30 PM
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets
Attachments: 800.267-DCM-Grainfree analysis.pptx; DCM-Case Report Analysis-5.17.2018.xls

B5

Please see the PPT for the rationale/summary

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David
Sent: Monday, May 14, 2018 10:22 AM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

From: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Date: May 14, 2018 at 9:09:17 AM EDT
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

This is very interesting.

B5

B5

Martine

From: Palmer, Lee Anne

Sent: Friday, May 11, 2018 4:30 PM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

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Subject: RE: DCM and meetign with Cardiac Care for Pets

Lee Anne,

B5

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 11, 2018 at 4:06:05 PM EDT

To: Rotstein, David <David.Rotstein@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

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B5

B5

B5

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B6

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Date: May 9, 2018 at 4:09:18 PM EDT
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
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B5

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Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Awesome, thank you Dave!

Martine

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Subject: RE: DCM and meetign with Cardiac Care for Pets

Good Afternoon,

I spoke with **B6** Cardiac Care for Pets. He is going to look into times/dates with the cardiologists there and we can set the meeting up from that point.

B5

As a side note, there is a facebook page dedicated to this issue:

<https://www.facebook.com/groups/1952593284998859/about/>

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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Sent: Tuesday, May 08, 2018 10:58 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Subject: RE: DCM

Thank you Jen and Dave! Very interesting and sounds like you all are on it! The resident I spoke to was Dr.

B6

B6

Keep us posted!

Thanks again!

Martine

Hi Martine,

B5

I'm happy to share more info as needed.

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David

Sent: Tuesday, May 08, 2018 9:45 AM

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Subject: RE: DCM

Martine,

Jen and I spoke with cardiologists from NCSU and a few other institutions. That's how we were able to get the information.

B5

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Looping in Jen.

Thanks for the update!

dave

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
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7519 Standish Place
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Thank you Dave! We did not go around yesterday because the Vet-LIRN folks came in for their routine presentation.

B5

Martine

From: Rotstein, David
Sent: Monday, May 07, 2018 1:13 PM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Subject: Re: DCM

Martine

B5

B5

There's a way to go on this moving forward.

Dave

From: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>

Date: May 7, 2018 at 1:03:13 PM EDT

To: Rotstein, David <David.Rotstein@fda.hhs.gov>

Subject: DCM

Hi Dave!

Do you have any more details on the DCM and grain free diet issue?

Martine

**DOCUMENT
PRODUCED IN NATIVE**

Withheld in Full as B5

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: Hartogensis, Martine; DeLancey, Siobhan; Palmer, Lee Anne; Rotstein, David
CC: Burkholder, William; Carey, Lauren; Norris, Anne; Lovell, Randall A; Reimschuessel, Renate; Ceric, Olgica; Nemser, Sarah
Sent: 5/18/2018 5:53:58 PM
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets
Attachments: Diet Breakdown by Brand.xlsx; Diet Breakdown by Brand1.xlsx; Diet Breakdown by Breed.xlsx

Here are the spreadsheets CVCA sent.

B5

Any other ideas or suggestions?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Hartogensis, Martine
Sent: Friday, May 18, 2018 11:58 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Thank you Jen! Sounds good and looking forward to the meeting.

Martine

From: Jones, Jennifer L
Sent: Friday, May 18, 2018 6:42 AM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

B5

Jennifer Jones, DVM
Veterinary Medical Officer



From: Hartogensis, Martine

Sent: Thursday, May 17, 2018 7:52 PM

To: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Yes, excellent work!

B5

B5

Thanks in advance!

Martine

From: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>

Date: May 17, 2018 at 2:27:35 PM EDT

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Indeed! Brands mentioned included California Naturals, Rachel Ray, Ellen DeGeneres' Halo brand - esp the vegan formulation - and a few other niche brands I didn't catch.

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 17, 2018 at 2:14:48 PM EDT

To: DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Hah! Perfect timing! We're all heading down the same path...

From: DeLancey, Siobhan

Sent: Thursday, May 17, 2018 2:13 PM

To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

As luck would have it, I'm at CE today listening to

B6

talk about nutrition and cardiomyopathies. See attached slide.

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 17, 2018 at 2:06:04 PM EDT

To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>, Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

B5

From: Hartogensis, Martine

Sent: Thursday, May 17, 2018 11:59 AM

To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>

Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

Excellent work Jen!!

Just a few questions.
DCM?

B5

B5

Martine

From: Jones, Jennifer L

Sent: Thursday, May 17, 2018 11:29 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

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Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

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Please see the PPT for the rationale/summary

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



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Sent: Monday, May 14, 2018 10:22 AM
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Subject: RE: DCM and meetign with Cardiac Care for Pets

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Once we get a better handle on a specific cause, we can work on that.

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Date: May 14, 2018 at 9:09:17 AM EDT
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Subject: RE: DCM and meetign with Cardiac Care for Pets

This is very interesting.

B5

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Martine

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Sent: Friday, May 11, 2018 4:30 PM
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Subject: RE: DCM and meetign with Cardiac Care for Pets

Lee Anne,

This is fantastic

B5

B5

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Date: May 11, 2018 at 4:06:05 PM EDT
To: Rotstein, David <David.Rotstein@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
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Subject: RE: DCM and meetign with Cardiac Care for Pets

Hi there – it is still VERY ROUGH (will final it up next week sometime)

B5

B5

I'll final this up next week, have to get to other things yet today. Have a great weekend! J Lee Anne

B5

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Subject: RE: DCM and meetign with Cardiac Care for Pets

B6

From: Hartogensis, Martine
Sent: Wednesday, May 9, 2018 2:17 PM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Awesome, thank you Dave!

Martine

From: Rotstein, David
Sent: Wednesday, May 09, 2018 2:06 PM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Good Afternoon,

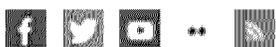
I spoke with **B6** @ Cardiac Care for Pets. He is going to look into times/dates with the cardiologists there and we can set the meeting up from that point.

B5

As a side note, there is a facebook page dedicated to this issue:

<https://www.facebook.com/groups/1952593284998859/about/>

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogensis, Martine
Sent: Tuesday, May 08, 2018 10:58 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Jen and Dave! Very interesting and sounds like you all are on it! The resident I spoke to was Dr.

B6

Keep us posted!

Thanks again!

Martine

Hi Martine,

B5

B5

B5

I'm happy to share more info as needed.

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David

Sent: Tuesday, May 08, 2018 9:45 AM

To: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Subject: RE: DCM

Martine,

Jen and I spoke with cardiologists from NCSU and a few other institutions. That's how we were able to get the information.

B5

Looping in Jen.

Thanks for the update!

dave

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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Sent: Tuesday, May 08, 2018 9:00 AM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Dave! We did not go around yesterday because the Vet-LIRN folks came in for their routine presentation.

B5

Martine

From: Rotstein, David
Sent: Monday, May 07, 2018 1:13 PM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Subject: Re: DCM

Martine

B5

There's a way to go on this moving forward.

Dave

From: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>

Date: May 7, 2018 at 1:03:13 PM EDT

To: Rotstein, David <David.Rotstein@fda.hhs.gov>

Subject: DCM

Hi Dave!

Do you have any more details on the DCM and grain free diet issue?

Martine

**DOCUMENT
PRODUCED IN NATIVE**

**DOCUMENT
PRODUCED IN NATIVE**

**DOCUMENT
PRODUCED IN NATIVE**

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: Burkholder, William
Sent: 5/18/2018 10:46:08 AM
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets
Attachments: 800.218-Covance-Rd 2-Tau-Cys-Met.xlsx; 800.218-Covance-Taurine-Carnitine.pdf; 800.261-Covance-Tau-Cys-Met.PDF; 800.267-Covance-control Cys-Met-Tau.xlsx

B5

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Burkholder, William
Sent: Thursday, May 17, 2018 12:42 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

From: Jones, Jennifer L
Sent: Thursday, May 17, 2018 12:32 PM
To: Burkholder, William <William.Burkholder@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

I forgot to add

B5

B5

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Burkholder, William
Sent: Thursday, May 17, 2018 12:30 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B4, B5

From: Jones, Jennifer L

Sent: Thursday, May 17, 2018 12:22 PM
To: Burkholder, William <William.Burkholder@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

I was amazed myself.

B5

B5

The Covance results are attached. Do you agree?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Burkholder, William
Sent: Thursday, May 17, 2018 12:13 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

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B5

Please see the PPT for the rationale/summary

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



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Subject: RE: DCM and meetign with Cardiac Care for Pets

This is very interesting.

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Martine

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B5

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Subject: RE: DCM and meetign with Cardiac Care for Pets

Good Afternoon,

I spoke with B5, B6 @ Cardiac Care for Pets. He is going to look into times/dates with the cardiologists there and we can set the meeting up from that point.

Just some basic information:

B5

As a side note, there is a facebook page dedicated to this issue:

<https://www.facebook.com/groups/1952593284998859/about/>

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
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Subject: RE: DCM

Thank you Jen and Dave! Very interesting and sounds like you all are on it! The resident I spoke to was Dr.

B5

B6

Keep us posted!

Thanks again!

Martine

Hi Martine,

B5

B5

I'm happy to share more info as needed.
Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



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Looping in Jen.

Thanks for the update!

dave

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
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Sent: Monday, May 07, 2018 1:13 PM
To: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>
Subject: Re: DCM

Martine

B5

There's a way to go on this moving forward.

Dave

From: Hartogenesis, Martine <Martine.Hartogenesis@fda.hhs.gov>
Date: May 7, 2018 at 1:03:13 PM EDT
To: Rotstein, David <David.Rotstein@fda.hhs.gov>
Subject: DCM

Hi Dave!

Do you have any more details on the DCM and grain free diet issue?

Martine

**DOCUMENT
PRODUCED IN NATIVE**

**DOCUMENT
PRODUCED IN NATIVE**

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: Burkholder, William
Sent: 5/17/2018 4:22:14 PM
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets
Attachments: 800.267-Covance-control Cys-Met-Tau.xlsx; DCM-Case Report Analysis-5.17.2018.xls

I was amazed myself.

B5

B5

The Covance results are attached. Do you agree?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Burkholder, William
Sent: Thursday, May 17, 2018 12:13 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

From: Jones, Jennifer L
Sent: Thursday, May 17, 2018 11:29 AM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>; Reimschuessel, Renate <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>
Subject: RE: 800.267-DCM and meetign with Cardiac Care for Pets

B5

Please see the PPT for the rationale/summary

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David
Sent: Monday, May 14, 2018 10:22 AM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

Once we get a better handle on a specific cause, we can work on that.

From: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Date: May 14, 2018 at 9:09:17 AM EDT
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

This is very interesting.

B5

B5

Martine

From: Palmer, Lee Anne
Sent: Friday, May 11, 2018 4:30 PM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

From: Rotstein, David
Sent: Friday, May 11, 2018 4:14 PM
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>; Lovell, Randall A <Randall.Lovell@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Lee Anne,

This is fantastic.

B5

B5

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>

Date: May 11, 2018 at 4:06:05 PM EDT

To: Rotstein, David <David.Rotstein@fda.hhs.gov>, Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>

Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>, Lovell, Randall A <Randall.Lovell@fda.hhs.gov>

Subject: RE: DCM and meetign with Cardiac Care for Pets

Hi there – it is still VERY ROUGH (will final it up next week sometime)

B5

B5

I'll final this up next week, have to get to other things yet today. Have a great weekend! J Lee Anne

B5

From: Rotstein, David
Sent: Wednesday, May 9, 2018 4:13 PM
To: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Sounds very intriguing!!!

From: Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Date: May 9, 2018 at 4:09:18 PM EDT
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>, Rotstein, David <David.Rotstein@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Norris, Anne <Anne.Norris@fda.hhs.gov>, DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

B5

From: Hartogensis, Martine
Sent: Wednesday, May 9, 2018 2:17 PM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Awesome, thank you Dave!

Martine

From: Rotstein, David
Sent: Wednesday, May 09, 2018 2:06 PM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Cc: Burkholder, William <William.Burkholder@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Norris, Anne <Anne.Norris@fda.hhs.gov>; DeLancey, Siobhan <Siobhan.Delancey@fda.hhs.gov>
Subject: RE: DCM and meetign with Cardiac Care for Pets

Good Afternoon,

I spoke with B6 @ Cardiac Care for Pets. He is going to look into times/dates with the cardiologists there and we can set the meeting up from that point.

B5

As a side note, there is a facebook page dedicated to this issue:

<https://www.facebook.com/groups/1952593284998859/about/>

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogensis, Martine
Sent: Tuesday, May 08, 2018 10:58 AM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Jen and Dave! Very interesting and sounds like you all are on it! The resident I spoke to was Dr.

B6

B6

Keep us posted!

Thanks again!

Martine

Hi Martine,

B5

I'm happy to share more info as needed.

Jen

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Rotstein, David
Sent: Tuesday, May 08, 2018 9:45 AM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: RE: DCM

Martine,

Jen and I spoke with cardiologists from NCSU and a few other institutions. That's how we were able to get the information.

B5

Looping in Jen.

Thanks for the update!

dave

David Rotstein, DVM, MPVM, Dipl. ACVP

CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: Hartogensis, Martine
Sent: Tuesday, May 08, 2018 9:00 AM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>
Subject: RE: DCM

Thank you Dave! We did not go around yesterday because the Vet-LIRN folks came in for their routine presentation.

B5

B5

Martine

From: Rotstein, David
Sent: Monday, May 07, 2018 1:13 PM
To: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>
Subject: Re: DCM

Martine

B5

There's a way to go on this moving forward.

Dave

From: Hartogensis, Martine <Martine.Hartogensis@fda.hhs.gov>

Date: May 7, 2018 at 1:03:13 PM EDT
To: Rotstein, David <David.Rotstein@fda.hhs.gov>
Subject: DCM

Hi Dave!

Do you have any more details on the DCM and grain free diet issue?

Martine

**DOCUMENT
PRODUCED IN NATIVE**

**DOCUMENT
PRODUCED IN NATIVE**

From: Andrea Fascetti <ajfascetti@ucdavis.edu>
To: B6
CC: Guag, Jake; Jones, Jennifer L
Sent: 3/23/2019 5:30:04 PM
Subject: Re: Heads up: Vet-LIRN (FDA) shipped 800.267 samples
Attachments: 14Cases__FDA_BL_PL_Urine.xlsx

Hello Jen and Jake- Please see attached file with your results. Thanks for the heads-up on the species. We have to know in case someone in the lab comes in contact with the blood (especially through a cut). Our occupational health and safety folks then have us file a report and follow up on those cases to ensure vaccination status etc.

We will bill according to your comments below.

Have a nice weekend.

Andrea

On Mar 21, 2019, at 10:51 AM, B6 wrote:

Hi Jake,

May you help to confirm the samples are for dogs or cats? I could not find the information

Thanks,

B6

From: Guag, Jake <Jake.Guag@fda.hhs.gov>
Sent: Tuesday, March 12, 2019 8:53 AM
To: B6
Cc: Jones, Jennifer L
Subject: Heads up: Vet-LIRN (FDA) shipped 800.267 samples

Hi B6

Hope you are well. We shipped 800.267 samples on dry ice to you.

Box#1 has urine samples its tracking number is 1ZA4420T0194520315 with UPS.

Box#2 has whole blood and serum samples and its tracking number is 1ZA4420T0192121929 with UPS. Both boxes are expected to arrive your location tomorrow (Mar. 13th, 2019)

Please charge the urine sample analysis under AA contract.

Please provide invoice for the blood and serum analysis.

Thank you

Jake

Jake Guag, MPH, CPH
Biologist (FDA/CVM/OR/Vet-LIRN)
8401 Muirkirk Road
Laurel, Maryland 20708
Email: jake.guag@fda.hhs.gov
Tel: 240-402-0917

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: [REDACTED] 8:12:33 PM
Subject: [REDACTED]

Hi Jen
Wanted to let you know that [REDACTED] died unexpectedly due to [REDACTED] yesterday while eating. Owner said he had been doing well and we were going to do a recheck in Feb.

So sad 😞

Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: 'Freeman, Lisa'
Sent: 1/28/2019 3:02:04 PM
Subject: RE: [REDACTED] **B6**

Thank you for the update, Lisa. I'm sorry to hear that he passed away. Can you please forward the records for his case?

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Sent: Sunday, [REDACTED] **B6** 3:13 PM
To: Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>
Subject: [REDACTED] **B6**

Hi Jen
Wanted to let you know that [REDACTED] **B6** died unexpectedly due to [REDACTED] **B6** yesterday while eating. Owner said he had been doing well and we were going to do a recheck in Feb.
So sad 😞
Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Peloquin, Sarah </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8607f880df2b494aa639e6d9a3874132-Sarah.Peloq>
To: Palmer, Lee Anne; Rotstein, David; Carey, Lauren
Sent: 10/24/2018 11:49:25 AM
Subject: 800.267 DCM -- did we get reports from these cases?

Did we receive PER reports from any of the following cases from Tufts?

• **B6**
•
•

Let me know. Thanks!!

Sarah K. Peloquin, DVM

Veterinary Medical Officer

U.S. Food & Drug Administration
Center for Veterinary Medicine
Veterinary Laboratory Investigation and Response Network
tel: 240-402-1218
fax: 301-210-4685
e-mail: sarah.peloquin@fda.hhs.gov



Report Details - EON-372606

ICSR: 2059540
Type Of Submission: Initial
Report Version: FPSR.FDA.PETF.V.V1
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type: Voluntary
Report Submission Date: 2018-12-03 09:27:13 EST

Reported Problem:
Problem Description: Littermate diagnosed with DCM. Initial taurine level (plasma only) was B6 WB taurine submitted = B6 Eats BEG diet Mildly reduced contractile function on echo NT-proBNP = B6 troponin mildly elevated at B6 (istat) and B6 at B6 B6 Will recheck in 3-4 months
Date Problem Started: 11/08/2018
Concurrent Medical Problem: Yes
Pre Existing Conditions: Chronic diarrhea Hx of anaplasmosis
Outcome to Date: Stable

Product Information:
Product Name: Acana Lamb and Apple singles
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information: **Description:** Fed since 2016
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: B6
Type Of Species: Dog
Type Of Breed: Irish Wolfhound
Gender: Male
Reproductive Status: Intact
Weight: 82.7 Kilogram
Age: 3 Years
Assessment of Prior Health: Good
Number of Animals Given the Product: 1
Number of Animals Reacted: 1
Owner Information: **Owner Information** Yes

Contact: **Name:** B6
Phone: B6
Email: B6
Address: B6
United States

Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine
Contact: **Name:** Lisa Freeman
Phone: (508) 887-4523

		Email: lisa.freeman@tufts.edu
		Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	B6 compiled records.pdf
	Description:	Medical records
	Type:	Medical Records

Client: **B6**
Patient: **B6**

IDEXX BNP - 3/5/2019

IDEXX Reference Laboratories

Client: **B6** Patient: **B6**

Client: **B6**
Patient: **B6**
Species: CANINE
Breed:
Gender: MALE
Age: 3Y

Date: **B6**
Requisition #: 337144
Accession #: **B6**
Ordered by: FREEMAN

IDEXX VetConnect 1-888-433-9967
TUFTS UNIVERSITY
200 WESTBORO RD
NORTH GRAFTON, Massachusetts 01536
508-839-5395
Account #88933

CARDIOPET proBNP - CANINE

Test	Result	Reference Range	Low	Normal	High
CARDIOPET proBNP - CANINE	B6	0 - 960 pmol/L			B6

Comments

1
B6

Please note: Complete interpretive comments for all concentrations of Cardiopet proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

Client: **B6**
Patient: **B6**

Texas A and M Troponin



Gastrointestinal Laboratory
Dr. J.M. Steiner
Department of Small Animal Clinical Sciences
Texas A&M University
4474 TAMU
College Station, TX 77843-4474



Website User ID: clinpath@tufts.edu

GI Lab Assigned Clinic ID: 11405

Dr. Freeman
Tufts University-Clinical Pathology Lab
Attn: **B6**
200 Westboro Road
North Grafton, MA 01536
USA

Phone: 508 887 4669
Fax: 9 508 839 7936
Animal Name:
Owner Name:
Species: Canine
Date Received: Mar 06, 2019

B6

Tufts University-Clinical Pathology Lab
Tracking Number: 337144

GI Lab Accession: **B6**

Test	Result	Reference Interval	Assay Date
Ultra-Sensitive Troponin I Fasting	B6 ng/mL	≤0.06	B6

B6

Comments:

GI Lab Contact Information

Phone: (979) 862-2861
Fax: (979) 862-2864

Email: giab@cvm.tamu.edu
vetmed.tamu.edu/giab

Client: **B6**
 Patient: **B6**

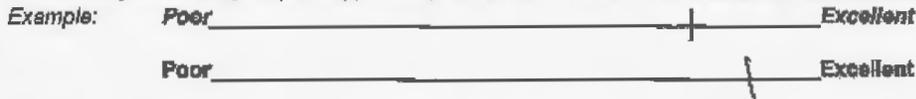
Diet Hx 3/5/19

CARDIOLOGY DIET HISTORY FORM

Please answer the following questions about your pet

Pet's name: **B6** Owner's name: **B6** Today's date: **3/5/19**

1. How would you assess your pet's appetite? (mark the point on the line below that best represents your pet's appetite)



2. Have you noticed a change in your pet's appetite over the last 1-2 weeks? (check all that apply)

- Eats about the same amount as usual Eats less than usual Eats more than usual
 Seems to prefer different foods than usual Other _____

3. Over the last few weeks, has your pet (check one)
 Lost weight Gained weight Stayed about the same weight Don't know

1. Please list below ALL pet foods, people food, treats, snack, dental chews, rawhides, and any other food item that your pet currently eats and that you have fed in the last 2 years.

Please provide enough detail that we could go to the store and buy the exact same food - examples are shown in the table

Food (include specific product and flavor)	Form	Amount	How often?	Dates fed
Nutro Grain Free Chicken, Lentil, & Sweet Potato Adult	dry	1 1/2 cup	2x/day	Jan 2016-present
85% lean hamburger	microwaved	3 oz	1x/week	June -Aug 2016
Pupperoni original beef flavor	treat	1/2	1x/day	Sept 2016-present
Rawhide	treat	6 inch twist	1x/week	Dec 2018-present
Hills Prescription Diet i/d digestive Care chicken + vegetable Stew Canned		1/2 can	2x/day	Since 11/18
Hills Presc. diet 1/2 chicken flavor dry dog food		3cups	2x/day	Since 11/18
2 months prior to above I was trying him on several types of food due to diarrhea (raw diet chicken or beef) but continued with diarrhea so went to Hills				

*Any additional diet information can be listed on the back of this sheet

2. Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, or any other supplements)? Yes No If yes, please list which ones and give brands and amounts:

	Brand/Concentration	Amount per day
Taurine	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Stopped 2 months ago	1000 2x/day
Carnitine	<input type="checkbox"/> Yes <input type="checkbox"/> No	2 4 months
Antioxidants	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Multivitamin	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Fish oil	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Coenzyme Q10	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Other (please list): Example: Vitamin C	Nature's Bounty	500 mg tablets - 1 per day
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. How do you administer pills to your pet?

- I do not give any medications
 I put them directly in my pet's mouth without food
 I put them in my pet's dog/cat food **when needed**
 I put them in a Pill Pocket or similar product
 I put them in foods (list foods): _____

Client: **B6**
Patient: **B6**

Vitals Results

B6	3:47:44 PM	Nursing note	B6
B6	4:41:36 PM	Heart Rate (/min)	
B6	4:41:37 PM	Respiratory Rate	
B6	4:41:38 PM	Temperature (F)	
B6	10:04:53 AM	Weight (kg)	
B6	0:04:41 AM	Weight (kg)	

Client:
Patient:

B6

ECG from Cardio

B6

B6

12:00:47 PM

Page 1 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

12 Lead; Standard Placement

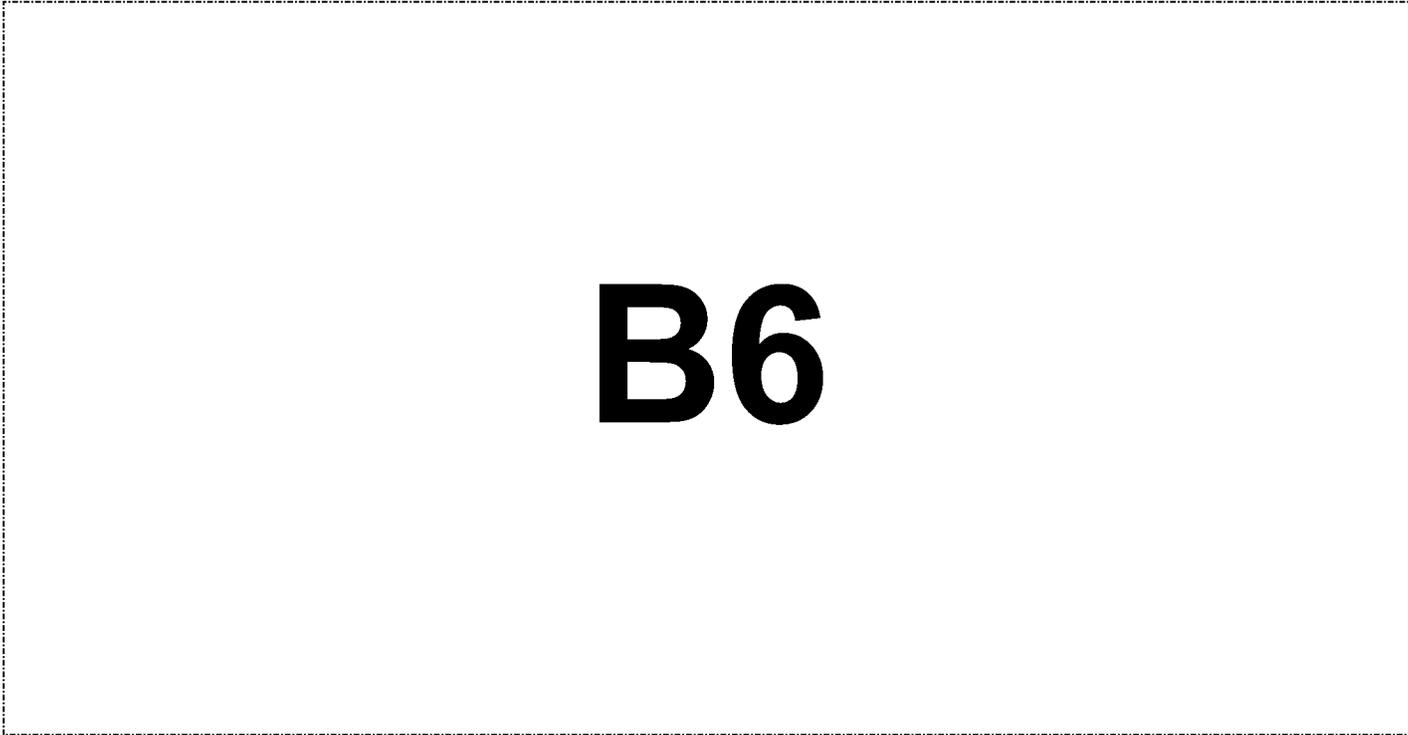
B6

Client: **B6**
Patient: **B6**

ECG from Cardio

B6

B6 12:00:47 PM Page 2 of 2
Tufts University
Tufts Cummings School of Vet Med
Cardiology



Client: **B6**
Patient:

ECG from Cardio

B6

B6 12:00:59 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**
Patient:

Patient History

	08:35 PM	UserForm	
	08:36 PM	Purchase	
	10:53 PM	Treatment	
	10:55 PM	Prescription	
	11:03 PM	UserForm	
	11:04 PM	Purchase	
	10:45 PM	Prescription	
	10:48 PM	Purchase	
	10:48 PM	Purchase	
	06:01 AM	UserForm	
	06:01 AM	Email	
	01:12 PM	Purchase	
	02:15 PM	UserForm	
	03:18 PM	Purchase	
	03:18 PM	Treatment	
	03:30 PM	UserForm	
	03:45 PM	Treatment	
	03:45 PM	Deleted Reason	
B6	03:47 PM	Treatment	B6
	03:47 PM	Vitals	
	04:41 PM	Vitals	
	04:41 PM	Vitals	
	04:41 PM	Vitals	
	02:38 AM	UserForm	
	02:38 AM	Email	
	10:40 AM	Appointment	
	10:04 AM	UserForm	
	10:04 AM	Vitals	
	11:07 AM	Treatment	
	11:14 AM	UserForm	
	11:30 AM	Purchase	
	03:31 PM	Labwork	
	03:34 PM	Purchase	
	03:34 PM	Purchase	
	03:34 PM	Purchase	
	01:04 PM	Appointment	
	06:07 PM	Appointment	

Client: **B6**
Patient:

Patient History

B6	09:51 AM	Purchase	B6
	09:55 AM	UserForm	
	09:59 AM	Treatment	
	10:04 AM	Vitals	
	10:28 AM	UserForm	
	11:12 AM	Appointment	
	11:12 AM	Email	
	03:03 PM	Purchase	

Patient Account History	Description	Qty	price	Extended	Disc	Pmt
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Report Details - EON-382951

ICSR:	2064360
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-21 11:55:12 EDT
Initial Report Date:	12/03/2018
Parent ICSR:	2059540
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	Littermate diagnosed with DCM. Initial taurine level (plasma only) was [B6] WB taurine submitted = [B6] Eats BEG diet Mildly reduced contractile function on echo NT-proBNP = [B6], troponin mildly elevated at [B6] (istat) and [B6] at [B6] [B6] Will recheck in 3-4 months Follow-up - NT-proBNP, troponin, echo and ECG
	Date Problem Started:	11/08/2018
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	[B6]
	Outcome to Date:	Stable

Product Information:	Product Name:	Acana Lamb and Apple singles
	Product Type:	Pet Food
	Lot Number:	
	Package Type:	BAG
	Product Use Information:	Description: Fed since 2016
	Manufacturer /Distributor Information:	
	Purchase Location Information:	

Animal Information:	Name:	[B6]
	Type Of Species:	Dog
	Type Of Breed:	Irish Wolfhound
	Gender:	Male
	Reproductive Status:	Intact
	Weight:	82.7 Kilogram
	Age:	3 Years
	Assessment of Prior Health:	Good
	Number of Animals Given the Product:	1
	Number of Animals Reacted:	1
	Owner Information:	Owner Yes Information provided:
		Contact: Name: [B6]
		Phone: [B6]
	Email: [B6]	
	Address: [B6]	

			B6 United States	
Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine		
	Contact:	Name:	Lisa Freeman	
		Phone:	(508) 887-4523	
		Email:	lisa.freeman@tufts.edu	
Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States			
Sender Information:	Name:	Lisa Freeman		
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States		
	Contact:	Phone:	5088874523	
		Email:	lisa.freeman@tufts.edu	
	Permission To Contact Sender:	Yes		
Preferred Method Of Contact:	Email			
Additional Documents:	Attachment:	Medical Record 2.pdf		
	Description:	Follow-up medical records		
	Type:	Medical Records		
	Attachment:	Medical Record 1.pdf		
	Description:	Follow-up medical records		
	Type:	Medical Records		

Report Details - EON-374789

ICSR: 2060600
Type Of Submission: Initial
Report Version: FPSR.FDA.PETF.V.V1
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type: Voluntary
Report Submission Date: 2018-12-27 10:47:28 EST

Reported Problem:
Problem Description: Arrhythmia identified at primary care vet on 11/15/18. Evaluated at Tufts and diagnosed DCM with VPCs and APCs. Eating unbalanced homecooked diet WB taurine (plasma not measured because owner had started taurine supplementation). Owner was recommended to change diet and we will recheck in 3 months. **B6**
Date Problem Started: 11/15/2018
Concurrent Medical Problem: Yes
Pre Existing Conditions: **B6**
Outcome to Date: Stable

Product Information:
Product Name: Homecooked diet - see diet history in medical record
Product Type: Other
Lot Number:
Product Use Information:
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: **B6**
Type Of Species: Dog
Type Of Breed: Doberman Pinscher
Gender: Male
Reproductive Status: Neutered
Weight: 40.9 Kilogram
Age: **B6** Years
Assessment of Prior Health: Good
Number of Animals Given the Product: 1
Number of Animals Reacted: 1
Owner Information: **Owner Information provided:** Yes

Contact: **Name:** **B6**
Phone: **B6**
Email: **B6**
Address: **B6**
United States

Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine
Contact: **Name:** Lisa Freeman
Phone: (508) 887-4523

		Email: lisa.freeman@tufts.edu
		Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	rpt_medical_record_preview.pdf
	Description:	B6 medical records
	Type:	Medical Records

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY
Oncology Liaison: 508-887-4682

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

Patient

Name:

Signalment:

B6

Years Old Black/Tan Male
(Neutered) Doberman Pinscher

Owner

Name:

Address:

B6

Patient ID:

B6

Contact Clinician:

B6

DVM (Medical
Oncology Resident)

Alternate Clinician:

B6

DVM DACVIM

Student:

B6

V'19

Discharge Instructions

Appointment Date:

B6

Diagnosis:

1.

B6

Procedures:

1. Physical examination
2. Complete blood count
3. Blood chemistry profile
4. Urinalysis

Medications:

~~Disperse~~

~~Continue~~

Diet:

Please continue feeding B6 the diet you have discussed with the
Cardiology department.

CASE SUMMARY

Thank you for bringing B6 to the Tufts Oncology Service for evaluation of his B6. The bulk of his B6 by Tufts Surgery department on B6 and you report he has recovered well from

surgery with minimal pain. On physical exam, B6 is bright and alert, but nervous to be here. His B6

B6

B6

Recheck Visits:

1. B6 should have a complete blood count checked in 2 weeks - this can be done at your primary care veterinarian and faxed to us, or can be done here as a technician appointment.
2. I'd like to see B6 back in one month for a physical examination, complete blood count, chemistry panel, and urinalysis in one month. You can schedule this by calling our liaison at 508-887-4682.
3. After that visit, we can then plan to see him back every 2-3 months.

Thank you for entrusting us with B6 care! He is the sweetest boy and the best patient.

**Cummings Veterinary Medical Center offers a free support group for caregivers of companion animals with cancer. For more information please visit our website <http://vetmed.tufts.edu/oncology>*

Prescription Refill Disclaimer:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: vet.tufts.edu/cvma/clinical-studies

Case: B6

Owner: B6

Discharge Instructions

B6

B6

Male (Neutered)

Canine: Doberman Pinscher Black/Tan

Patient ID: B6

Outside Prescription Log

1. Date: B6
Clinician: B6
Prescription: B6 B6
Pharmacy sent to: B6 fill online
Completed by:
Origin of request:

2. Date: B6
Clinician: B6
Prescription: B6
Pharmacy sent to: B6
Completed by: B6
Origin of request:

3. Date:
Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

4. Date:
Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

5. Date:
Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

6. Date:
Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

7. Date:

Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

8. Date:

Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

9. Date:

Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

10. Date:

Clinician:
Prescription:
Pharmacy sent to:
Completed by:
Origin of request:

Cummings

Veterinary Medical Center

AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

Patient

Name:

B6

Signalment:

Years Old Black/Tan Male
(Neutered) Doberman Pinscher

Owner

Name:

Address:

B6

Patient ID:

B6

Contact Clinician: B6 DVM, DACVS

Student: B6 V19

Discharge Instructions

Appointment date: B6 0:04:21 AM

Medications: Continue all of B6 medications as previously prescribed by our cardiology and oncology departments.

History: B6 presented today for a consultation regarding his B6 mass B6. It was debulked with our department and sent for histopathology on B6. Based on its composition, B6 was evaluated by our oncology department and metronomic chemotherapy B6 was initiated on B6. Since the surgery, you report that the mass has returned and growing larger.

Follow Up: Please email B6 when you are ready to schedule B6 surgery.
B6

Please contact the Surgery Liaison @ (508) 887-4794 to arrange your next appointment.

If you have any problems or questions, please contact B6 DVM, DACVS as soon as possible. If it is an emergency, contact the emergency service @ (508) 887-4623.

Prescription Refill Disclaimer:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

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Case: B6

Owner: B6

Discharge Instructions

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY
Cardiology Liaison: 508-887-4696

B6

Patient ID: **B6**

B6 Canine
Years Old Male (Neutered)

Doberman Pinscher

Black/Tan BW: Weight (kg) 40.00

Cancelled

Cummings

Veterinary Medical Center

AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

Patient

Name:

Signalment:

B6

Years Old Black/Tan Male
(Neutered) Doberman Pinscher

Owner

Name:

Address:

B6

Patient ID: B6

Contact Clinician: B6 DVM, DACVS

Alternate Clinician: B6 DVM

Student: B6 V19

Discharge Instructions

Admit Date: B6 7:46:58 AM

Discharge Date: B6

Diagnosis:

1. B6

Procedures:

B6

4. Chest radiographs (x-rays)
5. Cardiology Consult

Medications:

Continue B6 can continue to receive his medications as prescribed by the cardiology service. You may give them to him tonight with a small amount of soft food.

Diet: Please feed B6 soft food.

CASE SUMMARY

General summary:

Thank you for bringing B6 to Tufts to B6. This B6 was initially observed around mid-May of B6. It was debulked on B6 but has continued to grow since this procedure and despite receiving metronomic chemotherapy through the Oncology Department. B6 also has a history of B6 disease, dilated cardiomyopathy, and atrial fibrillation. He is on medications to help manage his heart condition. Today, his baseline bloodwork was normal and his B6 factor was 78%, or high enough to proceed with surgery.

Chest radiographs did not show any metastasis to the lungs. His heart is enlarged, which is consistent with his dilated cardiomyopathy. His lungs showed mild signs of pneumonia or chronic lower airway disease. B6 was considered a stable candidate for surgery and had his B6 debulked. B6

B6

B6 recovered well and is ready

to go home with you.

Patient care instructions:

Please monitor [B6] for bleeding from his mouth. If bleeding continues and does not stop, please contact the ER.

Please also monitor [B6] respiratory rate and effort at home. If you notice that his respiratory effort is increased or that he is experiencing respiratory distress, please bring him to an emergency veterinary as soon as possible for evaluation.

Please monitor [B6] for any evidence of inappetence, lethargy, vomiting or diarrhea. If you notice these signs, please have him re-evaluated as soon as possible.

[B6] also may not defecate for the next few days, which is normal for any pet undergoing anesthesia. As long as Brom is not straining to defecate, we are not concerned.

Recheck Visits:

Please schedule a recheck appointment for 2 weeks to see how [B6] is healing from his procedure. Please contact the Surgery Liaison @ (508) 887-4794 to arrange your recheck appointment.

If it is an emergency, contact the emergency service @ (508) 887-4023.

Prescription Refill Disclaimer:

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Ordering Food:

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Clinical Trials:

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Case [B6]

Owner: [B6]

Discharge Instructions

Radiology Request & Report

Patient

Name: B6
Species: Canine
Black/Tan Male (Neutered)
Doberman Pinscher
Birthdate: B6

Owner

Name: B6
Address: B6

Patient ID: B6
Date of request: B6

Attending Clinician: B6 DVM, DACVS Student: B6, V19

Date of exam: B6

Patient Location: Ward/Cage: B ward Run 4 Weight (kg) 40.00

Sedation

- Inpatient
- Outpatient Time:
- Waiting
- Emergency
- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

~~Examination Desired:~~ Met check under pre-med before surgery

Presenting Complaint and Clinical Questions you wish to answer:
Admit to B Ward, Collect Deposit

Pertinent History:

B6 debulked or B6 second debulking surgery today
History of OCM and B6

Findings:

B6

B6

Conclusions:

- Faint right middle lung lobe interstitial to alveolar pattern. This may represent a focus of pneumonia. Correlate to thoracic auscultation. Follow-up radiographs are recommended to monitor.
- Mild generalized cardiomegaly with moderate left-sided enlargement without evidence of cardiac decompensation. This is consistent with reported DCM. Echocardiography can be considered for further evaluation as clinically indicated prior to anesthesia.
- Mild diffuse bronchial pattern may represent chronic lower airway disease (allergic, infectious or parasitic etiologies) or age related changes. Correlate with clinical history.
- No evidence of thoracic neoplasia.

Radiologist:

Primary: B6, DVM

Reviewing: B6, BVSc, DACVR

Dates

Reported: B6

Finalized: 2/28/2019

Cummings

Veterinary Medical Center

AT TUFTS UNIVERSITY

B6

Patient: **B6**
B6 Male (Neutered)
Canine Doberman Pinscher
Patient ID: **B6**

SURGERY REPORT

Date of report: **B6**

Attending Clinician: **B6**

Date of procedure: **B6**

Primary Surgeon: **B6**

Student: **B6**, V19

Procedure(s) performed: Right **B6**

Report:

B6

Specimens obtained:

Right **B6** for histopathology

Concerns:

-aspiration

Discharge Instructions

Patient

Name: B6

Species: Canine

Black/Tan Male (Neutered) Doberman

Pinscher

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: B6

Attending Cardiologist:

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6 V19

Date: B6

Diagnoses:

Dilated cardiomyopathy (DCM), asymptomatic

B6

Case summary:

Thank you for bringing B6 to Tufts for evaluation of his heart. Upon echocardiogram (ultrasound of the heart) today, his DCM is stable. There were no significant differences in comparison to findings from B6 previous echocardiogram. Electrocardiogram was also similar but showed slightly less frequent arrhythmia (abnormal heart rhythm), more specifically some atrial and fewer ventricular premature contractions, and slower heart rate so we will continue his B6 medication. Since B6 is enrolled in the study on DCM, and we submitted some blood work for that study which will give us other markers of heart health. We will plan to call you with those results.

We are sorry to hear that his mouth is causing him discomfort and decreased appetite. We are sending you home with an appetite stimulant and some anti-diarrheal medication to help improve his comfort at home. It is ok to dissolve his medication to give in a liquid slurry if that works better for him. We recommend avoiding putting his pills in his food.

Monitoring at home:

- We would like you to occasionally monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 to 40 breaths per minute. Given that B6 is a large breed dog, his respiratory rate should be no more than 35 breaths

per minute at rest, and it may be much lower. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.

- An increase in breathing rate or effort will usually mean that you should give a dose of furosemide (Lasix). If difficulty breathing is not improved by within 30-60 minutes after giving extra furosemide then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.
- There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

Recommended Medications:

We discussed tips for getting medications into **B6**. You can crush or dissolve his tablets right before you give the medications if you find it easier to give them this way. You can use small amounts of appetizing foods like low-sodium peanut butter, cream cheese, cake frosting, and mashed avocados to hide pills in. If you are unable to get all of his oral medications in to him, we want you to prioritize his Pimobendan and Amiodarone medications.

B6

AS NEEDED:

B6

Diet Suggestions

Diet and supplement suggestions:

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable - a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>)

- The FDA is currently investigating an apparent association between diet and a type of heart disease called dilated cardiomyopathy. The exact cause is still unclear, but it appears to be associated with boutique diets and those

containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.

- We recommend switching B6 to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.
- The FDA issued a statement regarding this issue (<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm43305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's PetCardiology blog can further explain these findings (<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).
- Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease.

Dry Food Options:

Royal Canin Early Cardiac (veterinary diet)

Royal Canin boxer

Purina Pro Plan Adult Weight Management

Purina Pro Plan Bright Mind Adult Small Breed Formula

Canned Food Options:

Hill's Science Diet Adult Beef and Barley Entree

Hill's Science Diet Adult 1-6 Healthy Cuisine Roasted Chicken, Carrot, and Spinach Stew

Royal Canin Mature 8+

Exercise Recommendations

Limited activity is recommended, but B6 can still be allowed to play. Short leash walks are ideal. If you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart disease. Please be aware that dog's with significant arrhythmia, as B6 case, are at risk of sudden death as a result of fatal arrhythmia, and we worry that high intensity activity can increase this risk.

Recheck Visits: A recheck visit is scheduled for Monday, B6 at 4PML. At this visit we will want to check breathing effort and heart function with an echocardiogram, ECG and a blood test as part of the DOM study.

Thank you for entrusting us with B6 care. He is such a good boy and we hope that the entyce helps his appetite. Please contact our Cardiology liaison at (508)-887-4696 or email us at cardio@vet.tufts.edu for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

Prescription Refill Disclaimers:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: vet.tufts.edu/vm/clinical-studies

Case: B6

Owner: B6

Discharge instructions

Nutritional Tips for Pets with Heart Disease

Low sodium, high quality pet treats

Notes:

1. Most other dog treats are high in sodium.
2. If your pet has other medical conditions, these treats may not be appropriate. Talk to your veterinarian if you have questions or make an appointment with the Nutrition Service.

Product	Calories per treat
Dogs	
Hill's Science Diet Baked Light Biscuits with Real Chicken Small Dog Treat	8
Hill's Science Diet Baked Light Biscuits with Real Chicken Medium Dog Treat	34
Hill's Science Diet Soft Savories Peanut Butter & Banana, Beef & Cheddar, or Chicken & Yogurt Dog Treat	25-27, depending on flavor
Hill's Ideal Balance Soft-Baked Naturals with Chicken & Carrots, Duck & Pumpkin, or Beef & Sweet Potato Dog Treat	12-13, depending on flavor
Purina Beyond Natural Salmon Dog Biscuit Treat with Oats or Chicken & Barley	27-29, depending on flavor
Purina Alpo Variety Snaps Little Bites (beef, chicken, liver, lamb or beef, bacon, cheese, peanut butter)	16
Purina Alpo Variety Snaps Big Bites (beef, chicken, liver, lamb)	58
Royal Canin Original Canine treat	5
Cats	
Royal Canin Original Feline treat	2
Fancy Feast Duos Natural Robsserie Chicken Cat treat	2
Fancy Feast Duos Tuna with Accents of Parsley Cat treat	2

Taste enhancers to can make your pet's food tastier to increase food intake

Safe and effective appetite stimulants are now available for dogs and cats. Please talk to your veterinarian if your pet is not eating well, not eating ideal foods, or is losing weight.

Notes:

1. All foods in this list should be prepared without salt
2. These taste enhancers should be added in small amounts. If your pet eats too much of them, they will unbalance the diet and increase your pet's risk for nutritional deficiencies

Dogs

- ♥ Honey or maple syrup
- ♥ Homemade chicken, beef, or fish broth (made without salt; avoid all deli meats and rolisserie chicken). Avoid store bought broths because even the low sodium brands are too high in sodium.
- ♥ Sugar (brown or white) – Domino pourable light brown sugar is a good option
- ♥ Vanilla or fruit yogurt – One option that dogs seem to like is Yoplait Custard Yogurt (caramel or vanilla flavors). If you try other brands, just be sure the sodium is less than 100 mg per 100 calories (the Yoplait is 95 mg per 170 calories which comes out to 56 mg sodium per 100 calories). Also avoid yogurts with artificial sweeteners.
- ♥ Maple syrup. Low salt brands include Log Cabin All Natural, Maple Grove Farm 100% pure maple syrup, or Stop and Shop Original Syrup
- ♥ Applesauce (be sure they have less than 50 mg sodium per serving)
- ♥ Ketchup (no salt added). Examples include Hunts or Heinz no salt added
- ♥ Pasta sauce (no salt added). Examples: Francesco Rinaldi no salt added or Enrico's no salt added)
- ♥ Frosted Mini Wheats Original – these can be crumbled on his food
- ♥ Lean meats, cooked (chicken, turkey, beef, or fish) – not deli/sandwich meats/cold cuts, rolisserie chicken, and any canned fish or meat
- ♥ Eggs, cooked



Dogs (continued)

- ♥ Homemade chicken, beef, or fish broth (even low sodium store-bought broths are too high in sodium). Avoid all canned soups unless labeled as no salt added
- ♥ Low-salt breakfast cereal - the label should read, "very low sodium food" or contain less than 20 mg sodium per serving. A good option is Frosted Mini Wheats Original or Little Bites Original
- ♥ Fresh vegetables/fruit. Examples include carrots, green beans, apple, orange, banana (avoid grapes, raisins, onions, garlic)
- ♥ Low sodium canned dog foods

Cats

- ♥ Lean meats, cooked (chicken, turkey, beef, or fish) – not sandwich meats/cold cuts, canned tuna, or rotisserie chicken
- ♥ Eggs, cooked
- ♥ Homemade chicken, beef, or fish broth (even low sodium store-bought broths are too high in sodium)
- ♥ Low sodium canned cat foods



Foods to avoid

- ♥ Fatty foods (meat trimmings, cream, ice cream)
- ♥ Baby food
- ♥ Pickled foods
- ♥ Bread
- ♥ Pizza
- ♥ Condiments (ketchup, soy sauce, barbecue sauce, etc – unless they are unsalted or no salt added)
- ♥ Sandwich meats/cold cuts (ham, corned beef, salami, sausages, bacon, hot dogs)
- ♥ Rotisserie chicken
- ♥ Most cheeses, including "squirtable" cheeses
- ♥ Processed foods (such as, potato mixes, rice mixes, macaroni and cheese)
- ♥ Canned vegetables (unless "no salt added")
- ♥ Potato chips, packaged popcorn, crackers, and other snack foods
- ♥ Soups (unless homemade without salt)
- ♥ Most commercial pet treats

Tips for administering medications

Foods commonly used to administer your pet's pills can provide a large amount of additional salt to your pet's diet. Preferable ways to give medications include:

- ♥ Have one of our staff show you how to give medications without using food
- ♥ Insert medications into one of the following foods:

Dogs or cats

- Low-sodium canned pet food
- Home-cooked meat such as chicken or hamburger (made without salt); not lunch meats
- Whipped cream (Reddi Wip)
- Marshmallows
- Greenies Pill Pockets
 - Dog chicken, hickory smoke, or peanut butter flavors; cat chicken or salmon flavor
 - Avoid grain-free duck and pea which is high in sodium
 - Try to use the smallest size possible (ideally, the cat sized Pill Pockets, even for dogs) and as few as possible to avoid excessive salt.
 - Caution: Not all similar products from other companies are low in sodium .

Dogs

- Soft fruit, such as banana, orange, melon, or strawberries (avoid grapes)
- Peanut butter (only if labeled as "no salt added") – examples include Smucker's Natural Creamy Peanut Butter with No Salt Added or Teddie All Natural Smooth Unsalted Butter
- Frosting (should be less than 75 mg/serving and contain no artificial sweeteners or xylitol). Examples include Duncan Hines whipped vanilla frosting, Betty Crocker whipped vanilla frosting)

You may find our Petfoodology post called, "Pill-popping pets" helpful for additional ideas:

http://vetnutrition.tufts.edu/2018/09/foods_for_giving_pills/

Cummings

Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

B6

Patient ID: B6

B6 Canine
Years Old Male (Neutered) Doberman
Pinscher
Black/Tan

Cardiology Appointment Report

Date: B6

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6 V19

Presenting Complaint: RR 14-16 DCM/arrhythmia; DCM study

Concurrent Diseases:

B6

History of

History of

History of

History of elevated ALT

B6

General Medical History:

Has been doing okay on and off; owner thinks that he is painful and has been picking out pills. Owner is getting B6 from vet. Owner has not been able to get heart medication in for 2 days except 1 B6 yesterday. Owner wants to know if possible to do compounding into a liquid for medications. Still wants to go for walks twice a day. Appetite has decreased but owner suspects it is because of pain related to oral mass. Diarrhea/soft stool for the past week and seems to be improving. Owner thinks the oral mass is infected based on smell. Owner asks about compounding liquid metronidazole. Couple weeks ago vomited a couple of times right after eating but resolved on its own. Owner wants to know about appetite stimulants.

Diet and Supplements:

Only willing to eat pure beef/lamb, not interested in vegetables. Owner is trying to incorporate regular

dog food (one of the recommend low sodium diets we recommend but can't remember which one).
No supplements

Cardiovascular History:

Prior CHF diagnosis? No

Prior heart murmur? No

Prior ATE? no

Prior arrhythmia? Yes

Monitoring respiratory rate and effort at home? Not daily, always below 17/min

Cough? 2 coughs yesterday for the first time but none since then

Shortness of breath or difficulty breathing? No

Syncope or collapse? No

Sudden onset lameness? No

Exercise intolerance? No

Current Medications Pertinent to CV System:

B6

Has been off B6 for couple of weeks, owner wants to restart a compounded version

Heartworm preventative April-November

B6 starting yesterday for mouth pain

Cardiac Physical Examination:

B6

Muscle condition:

Normal

Moderate cachexia

Mild muscle loss

Marked cachexia

Cardiovascular Physical Exam:

Murmur Grade:

- None
- I/VI
- II/VI
- III/VI

- IV/VI
- V/VI
- VI/VI

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck

- 1/2 way up the neck
- Top 2/3 of the neck

Arterial pulses:

- Weak
- Fair
- Good
- Strong

- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other:

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats

- Bradycardia
- Tachycardia

Gallop:

- Yes
- No
- Intermittent

- Pronounced
- Other:

Pulmonary assessments:

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds

- Pulmonary crackles
- Wheezes
- Upper airway stridor

Abdominal exam:

- Normal
- Hepatomegaly
- Abdominal distension

- Mild ascites
- Marked ascites

Problems & Differential Diagnoses:

History of DCM and APCs/VPCs

B6

Investigations:

- Echocardiogram
- Chemistry profile
- ECG during echo
- Renal profile
- Blood pressure

- Oatmeal profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests: DCM study

Echocardiogram Findings:

General/2-D findings:

B6

Doppler findings:

Trace MR and TR

Mitral inflow:

- Summated
- Normal
- Delayed relaxation
- Pseudonormal
- Restrictive

ECG findings:

B6

Assessment and recommendations:

Echocardiogram reveals similar advanced DCM compared too previous exam. Patient is not eating well lately; suspect related to oral mass, but chemistry panel submitted to assess renal and liver values.

Recommend prioritizing B6 until taking meds better. Sent home with a sample of Grtyce. If appetite improves, strongly recommend feeding one of the recommended dog food diets rather than home cooked, just in case this could be playing a role in his heart disease. Continue to have B6 on hand in case of increased RR/RE. BNP and troponin submitted for study. Recheck echo and blood work in another 3 months for the study.

Final Diagnosis:

DCM

Ventricular and supraventricular ectopy

B6

Heart Failure Classification Score:

ISACHC Classification:

- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM Classification:

- A
- B1
- B2
- C
- D

M-Mode

IVSd

LVIDd

LVPWd

IVSs

LVIDs

LVPWs

EDV(Teich)

ESV(Teich)

B6

cm
cm
cm
cm
cm
cm
ml
ml

EF(Teich)	B6	%
%FS		%
SV(Teich)		ml
Ao Diam		cm
LA Diam		cm
LA/Ao		
Max LA		cm
Ao Diam		cm
LA Diam		cm
LA/Ao		
TAPSE		cm
EPSS		cm

M-Mode Normalized

IVSdN	B6	{0.290 - 0.520}
LVIDdN		{1.350 - 1.730}!
LVPWdN		{0.330 - 0.530}!
IVSsN		{0.430 - 0.710}
LVIDsN		{0.790 - 1.140}!
LVPWsN		{0.530 - 0.780}!
Ao Diam N		{0.880 - 0.890}
LA Diam N		{0.640 - 0.900}!

2D

SA LA	B6	cm
Ao Diam		cm
SA LA / Ao Diam		
IVSd		cm
LVIDd		cm
LVPWd		cm
EDV(Teich)		ml
IVSs		cm
LVIDs		cm
LVPWs		cm
BSV(Teich)		ml
EF(Teich)		%
%FS		%
SV(Teich)		ml
LV Major		cm
LV Minor		cm
Sphericity Index		
LVID LAX		cm
LVAd LAX		cm
LVEDV A-L LAX		ml
LVEDV MOD LAX		ml
LVLs LAX		cm
LVA s LAX		cm
LVESV A-L LAX		ml
LVESV MOD LAX		ml

HR
EF A-L LAX
LVEF MOD LAX
SV A-L LAX
SV MOD LAX
CO A-L LAX
CO MOD LAX

B6

BPM
%
%
ml
ml
l/min
l/min

Doppler

MR Vmax
MR maxPG
MV E Vel
MV DecT
MV Dec Slope
MV A Vel
MV E/A Ratio
E'
E/E'
A'
S'
AV Vmax
AV maxPG
PV Vmax
PV maxPG

B6

m/s
mmHg
m/s
ms
m/s
m/s

m/s

m/s
m/s
m/s
mmHg
m/s
mmHg

B6

B6

Client and Pet Registration Form

Client Name: B6
 Spouse/Partner: B6
 Address: B6
 City, State, Zip: B6
 Home Phone: B6
 Work Phone: () -
 Cell Phone: B6
 Email: B6
 Pager: () -

Pet Name: B6
 Patient ID: B6
 Date of Birth: B6
 Age: B6 Years Old
 Species: Canine
 Breed: Doberman Pinscher
 Color: Black/Tan
 Sex: Male (Neutered)
 Weight: Weight (kg) 38.10 kg
 Rabies Date:

Referring Veterinarian: B6

B6

Agreement and Consent:

- I agree to pay for all services rendered to my pet at the end of today's examination.
- I understand that payment is required at the time of service.
- I understand that the cost of the initial exam does not cover any further diagnostics, treatments, or medications that may be necessary for my pet.
- I understand that if further diagnostics or treatments are recommended by the doctor I may request an estimate of those charges first.
- I understand that I have the right to refuse any treatments, diagnostics, or medications that have been recommended to me by the doctor.

Signature: _____

Date: B6

You and your doctor will be provided with a report from the doctor for every examination performed on your pet at B6 Thank you for trusting us to care for your pet!

B6

B6

**Patient
Discharge Summary**

Client Name:

B6

Referring Veterinarian:

B6

Patient Name:

B6

Patient ID:

Species:

Canine

Breed:

Doberman Pinscher

Age:

B6 Years Old

Weight:

Weight (kg) 38.10 kg

Check in date:

B6 1:49:45 PM

Veterinary Medical Team:

B6

DVM, DACVAA

Diagnosis:

B6

Case Summary:

B6

Patient Care Instructions:

B6

B6

Medications:

Dispense: mg/ml suspension: Give 2.5 ml (3.75 mg) once a day.

Continue: as prescribed. All heart medications as prescribed.

Follow-up Instructions:

I can make additional recommendations going forward. I will send you the comfort diary to use if you choose.

Please do not hesitate to email me with questions or concerns and we can set up a time to talk by phone.

You are truly honoring his well being above all and it was a pleasure to meet both of you.

DVM, DACVAA

Discharge Date:

Treatment Plan

Estimated Charges

B6

B6

This estimate is based upon our preliminary examination. This is an estimate and is not the final bill. Every effort will be made to keep you informed of the current status of your bill throughout your animal's hospitalization. The final fee may vary considerably from this estimated cost.

Patient	Description	Low	High	75% Deposit
B6	B6	1.00		1.00
	Anesthesia Work-Up	1.00		1.00
	B6	1.00		1.00
	Daily Professional Care: General Ward	.50		.50
	Anesthesia Disposables/agents	1.00		1.00
	Medication (General Estimate) - FHSA	.50	B6	.50
	Hospitalization: Day Board (Dog)	1.00	B6	1.00
	B6	1.00	B6	1.00
	General Supplies: Sur	2.00		2.00
	B6	1.00		1.00
	1.00		1.00	
	Anesthesia 1 Hr/30 M	1.00		1.00

B6

Doctor of Record: **B6**

Client Signature

I understand that no guarantee of successful treatment is made. I certify that I have read and fully understand the authorization for medical and/or surgical treatment, the reason for why such medical and/or surgical treatment is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to the patient(s). I agree to pay 75% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when this patient(s) is released.

Precedential billing is inclusive up to and including the estimated duration of hospitalization. There will be additional expenses if hospitalization extends beyond the specified duration.

I have read, understand, and agree to accept the conditions of this treatment plan.

Thank you for entrusting us with your pet's care.

High Total	B6
Low Total	
75% Deposit	

Report Details - EON-372653

ICSR: 2059567
Type Of Submission: Initial
Report Version: FPSR.FDA.PETF.V.V1
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type: Voluntary
Report Submission Date: 2018-12-03 14:40:53 EST

Reported Problem:
Problem Description: Collapsing episodes began soon before diagnosis DCM and CHF diagnosed. Taurine pending One other dog in household that we will evaluate soon (asymptomatic)
Date Problem Started: 11/20/2018
Concurrent Medical Problem: No
Outcome to Date: Stable

Product Information:
Product Name: Loyall Professional All Life Stages dry
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information: **Description:** Fed since May 2018 Before that, fed Native Food Performance dry for many years
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: B6
Type Of Species: Dog
Type Of Breed: Pointing Dog - German Short-haired
Gender: Male
Reproductive Status: Intact
Weight: 26.7 Kilogram
Age: B6 Years
Assessment of Prior Health: Excellent
Number of Animals Given the Product: 2
Number of Animals Reacted: 1
Owner Information: **Owner Information provided:** Yes

Contact: **Name:** B6
Phone: B6
Email: B6
Address: B6

Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine
Contact: **Name:** Lisa Freeman
Phone: (508) 887-4523
Email: lisa.freeman@tufts.edu

Address: 200 Westboro Rd
North Grafton
Massachusetts
01536
United States

Sender Information:

Name:	Lisa Freeman
Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
Permission To Contact Sender:	Yes
Preferred Method Of Contact:	Email

Additional Documents:

Attachment:	compiled medical records B6 pdf
Description:	Medical records
Type:	Medical Records

Report Details - EON-375110

ICSR: 2060739
Type Of Submission: Initial
Report Version: FPSR.FDA.PETF.V.V1
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type: Voluntary
Report Submission Date: 2019-01-01 16:15:01 EST

Reported Problem:
Problem Description: Diagnosed with degenerative mitral valve disease in Aug 2017. Progressed to CHF. On [B6] At regular re-evaluation on 12/19 /18, reduced contractile function was noted on echo. Dog was noted to be eating BEG diet. Taurine pending Will recheck in 3 months Will evaluate other dog in household also eating same diet (asymptomatic). Owner is ok to provide further info.
Date Problem Started: 12/19/2018
Concurrent Medical Problem: Yes
Pre Existing Conditions: Degenerative mitral valve disease
Outcome to Date: Stable

Product Information:
Product Name: Orijen Adult Original dry (until Aug 2018)
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information: **Description:** See diet history for additional details/diets
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: [B6]
Type Of Species: Dog
Type Of Breed: Terrier - Border
Gender: Male
Reproductive Status: Intact
Weight: 20.6 Kilogram
Age: [B6]
Assessment of Prior Health: Good
Number of Animals Given the Product: 2
Number of Animals Reacted: 1

Owner Information: Owner Yes
Information provided:
Contact: Name: [B6]
Phone: [B6]
Email: [B6]
Address: [B6]
United States

Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine

		Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu
		Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States

Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact: Phone:	5088874523
		Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email

Additional Documents:	Attachment:	medical record.pdf
	Description:	B6 records
	Type:	Medical Records

Report Details - EON-323515

ICSR: 2023228
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2017-07-11 17:06:59 EDT

Reported Problem:

Problem Description: Please note: Dr. Jennifer Jones was consulted prior to submission of this report. She would like to be involved in the case review 3 week history of cough treated unsuccessfully with [B6]; 3 day history of inappetence and vomiting prior to presentation to NCSU emergency service for dyspnea. Radiographs showed severe pulmonary edema and echocardiogram showed severe Dilated Cardiomyopathy. There was an initial response to diuretic therapy however, he declined and was placed on the ventilator for respiratory support and continued CHF treatment. Attempts to wean off the ventilator were unsuccessful and aquaphoresis was performed. He continued to decline despite aggressive therapy and was euthanized. Infectious disease testing was negative and taurine and carnitine analysis showed adequate levels. Necropsy initially did not reveal a cause for DCM and supported alveolar injury (possibly ventilator related). A re-review of the myocardial histopathology by one of our pathologist showed

B6

B6

[B6] had been fed California Naturals Adult - both kangaroo with lentils and venison with lentils along with Milo's kitchen treats. We have samples of these foods from 6/17 but not the original bags from when he was presented [B6]. These samples were provided at the time his housemate, [B6] (unrelated, older miniature schnauzer) also presented with severe DCM and CHF. I will enter this dog as a separate affected patient. Both dogs had extensive infectious disease testing which was negative and nutritional amino acid deficiencies were ruled out. Because of this, their unrelated lineages (although the same breed, they were from different lines), different ages but similar time of presentation [B6] had clinical signs at the time [B6] was treated, but didn't present with CHF for several months), we are considering common environmental factors which could precipitate DCM, including food contamination or toxin exposure.

Date Problem Started: [B6]

Concurrent Medical Problem: No

Outcome to Date: Died Euthanized

Date of Death: [B6]

Product Information:

Product Name: Alternated between: -California Natural Adult Limited Ingredient Grain Free Venison & Green Lentils and Kangaroo & Red Lentils Recipe

Product Type: Pet Food

Lot Number:

UPC: not available

Package Type: BAG

Package Size: 26 Pound

Purchase Date: 06/01/2017

Possess Unopened Product: No

Possess Opened Product: Yes

Storage Conditions: In a cabinet, in the original bag

Product Use Information: **Description:** twice daily feeding The sample we have is from 6/17, however, we do not have food samples from 2/17 when both dogs started with clinical signs.

Time Interval 2 Years
between Product

Use and Adverse Event:	
Product Use Stopped After the Onset of the Adverse Event:	No
Perceived Relatedness to Adverse Event:	Possibly related
Other Foods or Products Given to the Animal During This Time Period:	Yes

Manufacturer /Distributor Information:

Purchase Location Information: **Address:** United States

Animal Information:

Name: B6

Type Of Species: Dog

Type Of Breed: Schnauzer - Miniature

Gender: Male

Reproductive Status: Neutered

Weight: 8.2 Kilogram

Age: B6 Years

Assessment of Prior Health: Excellent

Number of Animals Given the Product: 2

Number of Animals Reacted: 2

Owner Information: **Owner Information provided:** Yes

Contact: **Name:** B6
Phone: B6
Email: B6

Address: B6
United States

Healthcare Professional Information: **Practice Name:** North Carolina State University, College of Veterinary Medicine

Contact: **Name:** Darcy Adin
Phone: (919) 513-6694
Other Phone: B6
Email: dbadin@ncsu.edu

Address: 1060 William Moore Dr
Raleigh
New York
27607
United States

Practice Name: North Carolina State University College of Veterinary Medicine

Contact: **Name:** B6
Phone: B6

		Other Phone: B6
	Practice Name:	North Carolina state University, College of Veterinary Medic
	Contact:	Name: B6
		Phone: B6
		Other Phone:
Sender Information:	Name:	Darcy Adin
	Address:	1060 William Moore Dr Raleigh New York 27607 United States
	Contact:	Phone: 9195136694
		Other Phone: B6
		Email: dbadin@ncsu.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
	Reported to Other Parties:	Manufacturer
Additional Documents:		

Report Details - EON-380708

ICSR: 2063115
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-02-24 17:00:13 EST

Reported Problem:

Problem Description: DCM and CHF diagnosed 2/16/19. Eating multiple BEG diets Taurine and troponin pending Dog changed to Purina HA vegetarian dry while in hospital and owner has continued this. Will try switching to Pro Plan Sensitive Skin and Stomach Salmon when bag of HA runs out. If she tolerates that, will stay on it. If not, will switch back to HA since she's done well on that.

Date Problem Started: 02/16/2019

Concurrent Medical Problem: Yes

Pre Existing Conditions: Diarrhea would develop 2-3 weeks after starting a new food. Owner rotated foods to try to avoid this.

Outcome to Date: Stable

Product Information:

Product Name: Acana, Natural Balance, Petcurean (see diet history for additional details)

Product Type: Pet Food

Lot Number:

Package Type: BAG

Product Use Information: **Description:** Please see diet history for more info ("Natural Products" written on diet history form is "Natural Balance")

Manufacturer /Distributor Information:

Purchase Location Information:

Animal Information:

Name: B6

Type Of Species: Dog

Type Of Breed: Terrier - Bull - American Pit

Gender: Female

Reproductive Status: Neutered

Weight: 18 Kilogram

Age: B6 years

Assessment of Prior Health: Excellent

Number of Animals Given the Product: 1

Number of Animals Reacted: 1

Owner Information: **Owner Information provided:** Yes

Contact: **Name:** B6
Phone: B6
Email: B6

Address: B6
 United States

Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine

		Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact: Phone:	5088874523
	Contact: Email:	lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	rpt_medical_record_preview.pdf
	Description:	Medical records
	Type:	Medical Records

Client:

B6

Address:

All Medical Records

Patient: **B6**

Breed: Pit Bull

DOB: **B6**

Species: Canine

Sex: Female
(Spayed)

Home Phone: **B6**

Work Phone: () -

Cell Phone: () -

Referring Information

B6

Client:

B6

Patient:

Initial Complaint:

Emergency

SOAP Text

B6

9:00AM -

B6

Subjective

NEW VISIT (ER)

Doctor: **B6**

Student: **B6** V'20

Presenting complaint: CHF

Referral visit? **B6** animal health in **B6**

Diagnostics completed prior to visit: rads

Chest x-rays (at rDVM) - in ER email

HISTORY:

Signalment: 5yo FS Pitbull

Current history:

Coughing 2-3 weeks ago - after physical exercise gotten worse after any exercise, hacking some fluid a little productive, labored breathing, low energy. still eating/drinking, normal bathroom, no v/d. lost weight, looking skinny.

Prior medical history: allergies

Current medications: none

Diet: dry. 2 cups a day (o unsure exactly which diet - rotates through 4 different types of food)

Vaccination status/flea & tick preventative use: UTD, no heartworm preventative or flea/tick

Client: **B6**
Patient:

Travel history: none

EXAM:

B6

C/V: grade 2/6 apical systolic murmur, no arrhythmia, ssfp

RESP: harsh lung sounds bilaterally/wheezes; moderate/severe respiratory effort

B6

ASSESSMENT:

A1: Congestive heart failure r/o secondary to DCM vs other

PLAN:

B6

- Chest x-rays (at rDVM) - in ER email

- Diffuse interstitial pattern bilaterally, pulmonary vessels not easily visible. Severe cardiomegaly with left mainstem bronchi compression and trachea is dorsally deviated.

Treatments/monitoring:

B6

Client communication:

Discussed hospitalizing for supportive care to manage CHF as well as diagnostics (bloodwork, BP, echo, etc) to diagnose underlying heart disease and get her on the right medications. O ok with this plan.

Deposit & estimate status: **B6**

Client: **B6**
Patient: **B6**

Resuscitation code (if admitting to ICU) **B6**

SOAP approved (DVM to sign): **B6**, DVM

SOAP Text **B6** 9:49AM - **B6**

DUPLICATE. IGNORE.

SOAP Text **B6** 10:25AM - **B6**

B6

Signalment: 5yo FS Pitbull presenting for biventricular heart failure due to DCM, respiratory distress. Day 1 of hospitalization

Presenting history:

Coughing 2-3 weeks ago - after physical exercise gotten worse after any exercise, hacking some fluid a little productive, labored breathing, low energy. still eating/drinking, normal bathroom, no v/d. lost weight, looking skinny to the owner.

Prior medical history: allergies

Current medications: none

Diet: dry. 2 cups a day (o unsure exactly which diet - rotates through 4 different types of food)- brought in samples to fill out forms for the diet study she is enrolled in.

Vaccination status/flea & tick preventative use: UTD, no heartworm preventative or flea/tick

Travel history: none

EXAM:

B6

C/V: grade 2/6 apical systolic murmur, no arrhythmia, sssp

RESP: quiet lung sounds bilaterally/wheezes; slight respiratory effort

B6

ASSESSMENT:

A1: Congestive heart failure r/o secondary to DCM vs other

Client: **B6**
Patient: **B6**

Diagnostics performed **B6**:

B6

- Chest x-rays (at rDVM) - in ER email
 - Diffuse interstitial pattern bilaterally, pulmonary vessels not easily visible. Severe cardiomegaly with left mainstem bronchi compression and trachea is dorsally deviated.

Diagnostics performed **B6**

Blood chemistry: **B6**

PLAN:

Treatments/monitoring:

B6

-continue in diet study

Deposit & estimate status: **B6**

Resuscitation code (if admitting to ICU): **B6**

SOAP approved (DVM to sign): **B6** DVM

SOAP Text **B6** 11:55AM - **B6**

Signalment: 5yo FS Pitbull presenting for biventricular heart failure due to DCM, respiratory distress. Day 1 of hospitalization

Presenting history:

Coughing 2-3 weeks ago - after physical exercise gotten worse after any exercise, hacking some fluid a little productive, labored breathing, low energy. still eating/drinking, normal bathroom, no v/d. lost weight, looking skinny to the owner.

Prior medical history: allergies

Current medications: none

Diet: dry. 2 cups a day (o unsure exactly which diet - rotates through 4 different types of food)- brought in samples to fill out forms for the diet study she is enrolled in.

Vaccination status/flea & tick preventative use: UTD, no heartworm preventative or flea/tick

Travel history: none

Overnight update:

Very bright, RR 24-36, eating well and passing urine frequently.

Subjective

Client: **B6**
Patient: **B6**

EXAM, GENERAL

Subjective (S)
Very BAR

Objective (O)

B6

H/L: regular rhythm, II/VI murmur LHS. Strong and synchronous peripheral pulses.

Abd: soft, NAD

B6

ASSESSMENT:

A1: Dilated Cardiomyopathy

Diagnostics performed **B6**

B6

- Chest x-rays (at rDVM) - in ER email

- Diffuse interstitial pattern bilaterally, pulmonary vessels not easily visible. Severe cardiomegaly with left mainstem bronchi compression and trachea is dorsally deviated.

Diagnostics performed **B6**

Blood chemistry: **B6**

Plan:

-NOVA

-TGH

-Recheck with cardio in one week.

SOAP completed by: **B6** BVSc

Initial Complaint:

Recheck **B6** - DCM Study

Client:
Patient:

B6

SOAP Text

B6

1:53PM

B6

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
 Patient: **B6**

Cummings
Veterinary Medical Center
 AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
 North Grafton, MA 01536
 (508) 839-5395

Client: **B6**
 Veterinarian:
 Patient ID: **B6**
 Visit ID:

Patient: **B6**
 Species: Canine
 Breed: Pit Bull
 Sex: Female (Spayed)
 Age: **B6** Years Old

Lab Results Report

Nova Full Panel-ICU **B6** 9:28:25 AM **Accession ID: B6**

Test	Results	Reference Range	Units
SO2%	B6	94 - 100	%
HCT (POC)		38 - 48	%
HB (POC)		12.6 - 16	g/dL
NA (POC)		140 - 154	mmol/L
K (POC)		3.6 - 4.8	mmol/L
CL(POC)		109 - 120	mmol/L
CA (ionized)		1.17 - 1.38	mmol/L
MG (POC)		0.1 - 0.4	mmol/L
GLUCOSE (POC)		80 - 120	mg/dL
LACTATE		0 - 2	mmol/L
BUN (POC)		12 - 28	mg/dL
CREAT (POC)		0.2 - 2.1	mg/dL
TCO2 (POC)		0 - 0	mmol/L
nCA		0 - 0	mmol/L
nMG		0 - 0	mmol/L
GAP		0 - 0	mmol/L
CA/MG		0 - 0	mol/mol
BEecf		0 - 0	mmol/L
BEb		0 - 0	mmol/L
A		0 - 0	mmHg
NOVA SAMPLE	0 - 0		



Client: **B6**
 Patient: **B6**

FiO2	B6	0 - 0	%
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
PH		7.337 - 7.467	
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
HCO3		18 - 24	mmol/L

Nova Full Panel-ICU **B6** 9:36:03 AM Accession ID: **B6**

Test	Results	Reference Range	Units
Blood Glucose (Glucometer) - FHSA	B6	0 - 0	mg/dl

Nova Full Panel-ICU **B6** 9:56:38 AM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)	5.8	0 - 0	g/dl
PCV **	44	0 - 0	%
TS (FHSA)	5.8	0 - 0	g/dl

Nova Full Panel-ICU **B6** 10:12:18 AM Accession ID: **B6**

Test	Results	Reference Range	Units
GLUCOSE	B6	67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
T. PROTEIN		5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L
CHLORIDE		106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CHOLESTEROL		82 - 355	mg/dL
OSMOLALITY (CALCULATED)		291 - 315	mmol/L

Nova Full Panel-ICU **B6** 9:19:25 AM Accession ID: **B6**

Test	Results	Reference Range	Units
SO2%	B6	94 - 100	%
HCT (POC)	B6	38 - 48	%



Client: **B6**
Patient: **B6**

HB (POC)	B6	12.6 - 16	g/dL
NA (POC)		140 - 154	mmol/L
K (POC)		3.6 - 4.8	mmol/L
CL(POC)		109 - 120	mmol/L
CA (ionized)		1.17 - 1.38	mmol/L
MG (POC)		0.1 - 0.4	mmol/L
GLUCOSE (POC)		80 - 120	mg/dL
LACTATE		0 - 2	mmol/L
BUN (POC)		12 - 28	mg/dL
CREAT (POC)		0.2 - 2.1	mg/dL
TCO2 (POC)		0 - 0	mmol/L
nCA		0 - 0	mmol/L
nMG		0 - 0	mmol/L
GAP		0 - 0	mmol/L
CA/MG		0 - 0	mol/mol
BEecf		0 - 0	mmol/L
BEb		0 - 0	mmol/L
A		0 - 0	mmHg
NOVA SAMPLE		0 - 0	
FiO2		0 - 0	%
PCO2	36 - 44	mmHg	
PO2	80 - 100	mmHg	
PH	7.337 - 7.467		
PCO2	36 - 44	mmHg	
PO2	80 - 100	mmHg	
HCO3	18 - 24	mmol/L	

Nova Full Panel-ICU **B6** 9:27:23 AM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)	B6	0 - 0	g/dl
PCV **	B6	0 - 0	%
TS (FHSA)	B6	0 - 0	g/dl

stringsoft

10/46

B6

Printed Sunday, February 24, 2019

Vitals Results

B6
9:09:11 AM
9:09:38 AM
9:10:28 AM
9:45:06 AM
10:45:50 AM

Weight (kg)
Notes
treatment note
B6 treatment note
treatment note

B6

Client: **B6**
Patient:

Vitals Results

11:21:04 AM	FiO2 (%)
11:21:11 AM	Respiratory Rate
11:21:41 AM	Nursing note
12:19:43 PM	Nursing note
12:37:05 PM	Quantify IV Fluids (CRI) in mls
12:37:06 PM	Catheter Assessment
12:37:44 PM	FiO2 (%)
12:38:25 PM	Respiratory Rate
12:39:49 PM	Heart Rate (/min)
1:47:10 PM	Eliminations
1:48:12 PM	FiO2 (%)
2:01:58 PM	FiO2 (%)
2:02:58 PM	Heart Rate (/min)
2:06:40 PM	Respiratory Rate
2:07:31 PM	Quantify IV Fluids (CRI) in mls
2:07:32 PM	Catheter Assessment
2:11:44 PM	B6 treatment note
3:19:35 PM	Nursing note
3:20:12 PM	Respiratory Rate
3:20:33 PM	FiO2 (%)
3:20:55 PM	Quantify IV Fluids (CRI) in mls
3:45:02 PM	Quantify IV Fluids (CRI) in mls
3:45:03 PM	Catheter Assessment
4:07:19 PM	FiO2 (%)
4:07:46 PM	Respiratory Rate
4:09:20 PM	Eliminations
4:18:29 PM	Heart Rate (/min)
4:18:40 PM	Quantify IV Fluids (CRI) in mls
4:18:41 PM	Catheter Assessment
5:12:04 PM	Respiratory Rate
5:12:14 PM	FiO2 (%)
5:13:48 PM	Eliminations
5:17:48 PM	Amount eaten
5:19:29 PM	Heart Rate (/min)
5:19:47 PM	FiO2 (%)
5:26:16 PM	B6 treatment note
5:47:32 PM	Respiratory Rate

B6

B6

Client:
Patient:

B6

Vitals Results

5:47:46 PM Quantify IV Fluids (CRI) in mls
5:47:47 PM Catheter Assessment
6:01:17 PM Eliminations
6:54:17 PM FiO2 (%)
6:54:24 PM Respiratory Rate
7:11:55 PM Heart Rate (/min)
7:12:08 PM Temperature (F)
7:44:34 PM FiO2 (%)
7:44:43 PM Quantify IV Fluids (CRI) in mls
7:44:44 PM Catheter Assessment
7:45:08 PM Respiratory Rate
9:03:32 PM FiO2 (%)
9:03:41 PM Respiratory Rate
9:17:37 PM Weight (kg)
9:18:17 PM Heart Rate (/min)
9:19:05 PM Quantify IV Fluids (CRI) in mls
9:19:06 PM Catheter Assessment
9:19:42 PM Eliminations
9:21:04 PM **B6** treatment note
9:45:41 PM Respiratory Rate
9:45:54 PM FiO2 (%)
10:49:36 PM Respiratory Rate
10:50:01 PM FiO2 (%)
11:31:31 PM Quantify IV Fluids (CRI) in mls
11:31:32 PM Catheter Assessment
11:32:09 PM Heart Rate (/min)
11:46:46 PM Respiratory Rate
11:47:01 PM FiO2 (%)
12:46:34 AM FiO2 (%)
12:46:44 AM Respiratory Rate
1:07:50 AM Eliminations
1:38:01 AM Quantify IV Fluids (CRI) in mls
1:38:02 AM Catheter Assessment
1:39:26 AM Heart Rate (/min)
1:56:06 AM FiO2 (%)
1:56:16 AM Respiratory Rate
3:06:11 AM FiO2 (%)
3:06:25 AM Respiratory Rate
3:12:19 AM Lasix treatment note
3:12:37 AM Quantify IV Fluids (CRI) in mls
3:12:38 AM Catheter Assessment

B6

B6

Client: **B6**
Patient:

Vitals Results

4:06:40 AM	Respiratory Rate
4:07:00 AM	FiO2 (%)
4:07:08 AM	Heart Rate (/min)
4:49:25 AM	FiO2 (%)
4:49:37 AM	Respiratory Rate
4:52:42 AM	Eliminations
4:59:34 AM	Amount eaten
5:24:06 AM	Nursing note
5:24:55 AM	Heart Rate (/min)
5:45:41 AM	Respiratory Rate
5:45:53 AM	FiO2 (%)
6:44:05 AM	FiO2 (%)
6:44:44 AM	Respiratory Rate
7:57:10 AM	Respiratory Rate
7:57:26 AM	FiO2 (%)
7:59:14 AM	Nursing note
8:02:34 AM	Heart Rate (/min)
8:05:21 AM	Temperature (F)
8:08:24 AM	B6 treatment note
8:14:38 AM	Weight (kg)
8:16:10 AM	Eliminations
9:02:29 AM	FiO2 (%)
9:03:17 AM	Respiratory Rate
10:02:20 AM	FiO2 (%)
10:04:29 AM	Heart Rate (/min)
10:08:31 AM	Respiratory Rate
10:59:22 AM	FiO2 (%)
10:59:52 AM	Respiratory Rate
11:47:25 AM	FiO2 (%)
11:47:53 AM	Respiratory Rate
11:53:10 AM	Heart Rate (/min)
11:53:48 AM	Eliminations
12:59:52 PM	FiO2 (%)
1:00:37 PM	Respiratory Rate
2:17:38 PM	Respiratory Rate
2:17:51 PM	Heart Rate (/min)
2:22:20 PM	B6 treatment note
2:59:31 PM	Respiratory Rate
3:30:08 PM	Heart Rate (/min)
3:52:22 PM	Respiratory Rate
4:58:59 PM	Respiratory Rate

B6

B6

Client:
Patient:

B6

Vitals Results

5:16:42 PM	Amount eaten
5:17:09 PM	Eliminations
5:28:18 PM	Heart Rate (/min)
6:03:04 PM	Respiratory Rate
6:54:20 PM	Respiratory Rate
6:56:33 PM	Weight (kg)
7:20:10 PM	Temperature (F)
7:20:22 PM	Heart Rate (/min)
7:56:01 PM	Respiratory Rate
8:17:54 PM	Eliminations
9:00:37 PM	Respiratory Rate
9:15:46 PM	Heart Rate (/min)
9:41:52 PM	Respiratory Rate
9:43:34 PM	B6 treatment note
10:40:52 PM	Respiratory Rate
11:31:23 PM	Heart Rate (/min)
11:31:28 PM	Respiratory Rate
12:28:12 AM	Respiratory Rate
1:05:10 AM	Eliminations
1:12:38 AM	Heart Rate (/min)
1:12:45 AM	Respiratory Rate
2:47:00 AM	Respiratory Rate
3:16:57 AM	Heart Rate (/min)
3:37:24 AM	Respiratory Rate
4:23:24 AM	Respiratory Rate
5:36:11 AM	Amount eaten
5:36:20 AM	Heart Rate (/min)
5:36:27 AM	Respiratory Rate
5:40:28 AM	B6 treatment note
5:59:29 AM	Eliminations
6:21:11 AM	Eliminations
6:51:01 AM	Respiratory Rate
7:42:21 AM	Weight (kg)
8:08:18 AM	Temperature (F)
8:08:28 AM	Respiratory Rate
8:08:42 AM	Heart Rate (/min)
9:06:23 AM	Eliminations
9:07:04 AM	Respiratory Rate

B6

B6

Client:
Patient:

B6

Vitals Results

B6

9:20:15 AM	Catheter Assessment
10:02:30 AM	Heart Rate (/min)
10:02:36 AM	Respiratory Rate
10:02:52 AM	Eliminations
11:09:18 AM	Respiratory Rate
12:17:30 PM	Respiratory Rate
12:17:40 PM	Heart Rate (/min)
12:17:48 PM	Eliminations
1:05:31 PM	Respiratory Rate
1:36:34 PM	Catheter Assessment
1:36:42 PM	Respiratory Rate
1:36:58 PM	Heart Rate (/min)
1:25:45 PM	Weight (kg)
1:53:45 PM	B6 treatment note

B6

Patient History

B6

09:09 AM	Vitals
09:09 AM	Vitals
09:09 AM	Purchase
09:10 AM	Purchase
09:10 AM	Purchase
09:10 AM	Vitals
09:28 AM	Purchase
09:36 AM	Labwork
09:45 AM	Vitals
09:55 AM	Treatment
09:56 AM	Labwork
09:57 AM	Treatment
10:04 AM	Prescription
10:08 AM	Prescription
10:45 AM	Vitals
10:55 AM	Treatment
11:21 AM	Treatment
11:21 AM	Vitals
11:21 AM	Treatment
11:21 AM	Vitals
11:21 AM	Vitals
11:23 AM	Purchase
11:23 AM	Purchase

B6

Client: **B6**
Patient:

Patient History

1:42 AM	UserForm
1:54 AM	Treatment
1:56 AM	Purchase
1:56 AM	Purchase
2:19 PM	Vitals
2:37 PM	Treatment
2:37 PM	Vitals
2:37 PM	Vitals
2:37 PM	Vitals
2:37 PM	Treatment
2:37 PM	Vitals
2:38 PM	Treatment
2:38 PM	Vitals
2:39 PM	Treatment
2:39 PM	Vitals
2:47 PM	Treatment
2:47 PM	Vitals
2:48 PM	Treatment
2:48 PM	Vitals
2:01 PM	Treatment
2:01 PM	Vitals
2:02 PM	Treatment
2:02 PM	Vitals
2:06 PM	Treatment
2:06 PM	Treatment
2:06 PM	Vitals
2:06 PM	Treatment
2:07 PM	Treatment
2:07 PM	Vitals
2:07 PM	Vitals
2:11 PM	Vitals
2:11 PM	Treatment
2:19 PM	Vitals
2:20 PM	Treatment
2:20 PM	Vitals
2:20 PM	Treatment
2:20 PM	Vitals

B6

B6

Client:
Patient:

B6

Patient History

03:20 PM	Vitals
03:22 PM	Treatment
03:23 PM	Treatment
03:45 PM	Treatment
03:45 PM	Vitals
03:45 PM	Vitals
04:07 PM	Treatment
04:07 PM	Vitals
04:07 PM	Treatment
04:07 PM	Vitals
04:09 PM	Vitals
04:18 PM	Treatment
04:18 PM	Vitals
04:18 PM	Treatment
04:18 PM	Vitals
04:18 PM	Vitals
04:38 PM	Purchase
04:39 PM	Purchase
05:12 PM	Treatment
05:12 PM	Vitals
05:12 PM	Treatment
05:12 PM	Vitals
05:12 PM	Treatment
05:13 PM	Treatment
05:13 PM	Vitals
05:17 PM	Treatment
05:17 PM	Treatment
05:17 PM	Vitals
05:18 PM	Treatment
05:19 PM	Treatment
05:19 PM	Vitals
05:19 PM	Treatment
05:19 PM	Vitals
05:26 PM	Vitals
05:27 PM	Treatment
05:47 PM	Treatment
05:47 PM	Vitals
05:47 PM	Treatment
05:47 PM	Vitals

B6

B6

Client:
Patient:

B6

Patient History

05:47 PM	Vitals
06:01 PM	Vitals
06:54 PM	Treatment
06:54 PM	Vitals
06:54 PM	Treatment
06:54 PM	Vitals
07:11 PM	Treatment
07:11 PM	Vitals
07:12 PM	Treatment
07:12 PM	Vitals
07:44 PM	Treatment
07:44 PM	Vitals
07:44 PM	Treatment
07:44 PM	Vitals
07:44 PM	Vitals
07:45 PM	Treatment
07:45 PM	Vitals
09:03 PM	Treatment
09:03 PM	Vitals
09:03 PM	Treatment
09:03 PM	Vitals
09:04 PM	Treatment
09:17 PM	Treatment
09:17 PM	Vitals
09:18 PM	Treatment
09:18 PM	Vitals
09:19 PM	Treatment
09:19 PM	Vitals
09:19 PM	Vitals
09:19 PM	Treatment
09:19 PM	Vitals
09:21 PM	Vitals
09:21 PM	Treatment
09:45 PM	Treatment
09:45 PM	Vitals
09:45 PM	Treatment
09:45 PM	Vitals
10:49 PM	Treatment
10:49 PM	Vitals
10:50 PM	Treatment
10:50 PM	Vitals

B6

B6

Client: **B6**
Patient:

Patient History

11:07 PM Purchase
11:31 PM Treatment
11:31 PM Vitals
11:31 PM Vitals
11:32 PM Treatment
11:32 PM Vitals
11:46 PM Treatment
11:46 PM Vitals
11:47 PM Treatment
11:47 PM Vitals
12:46 AM Treatment
12:46 AM Vitals
12:46 AM Treatment
12:46 AM Vitals
01:04 AM Treatment
01:07 AM Treatment
01:07 AM Vitals
01:08 AM Treatment
01:38 AM Treatment
01:38 AM Vitals
01:38 AM Vitals
01:39 AM Treatment
01:39 AM Vitals
01:56 AM Treatment
01:56 AM Vitals
01:56 AM Treatment
01:56 AM Vitals
03:06 AM Treatment
03:06 AM Vitals
03:06 AM Treatment
03:06 AM Vitals
03:12 AM Vitals
03:12 AM Treatment
03:12 AM Treatment
03:12 AM Vitals
03:12 AM Vitals
04:06 AM Treatment
04:06 AM Vitals
04:07 AM Treatment

B6

B6

Client: **B6**
Patient:

Patient History

04:07 AM	Vitals
04:07 AM	Treatment
04:07 AM	Vitals
04:49 AM	Treatment
04:49 AM	Vitals
04:49 AM	Treatment
04:49 AM	Vitals
04:52 AM	Treatment
04:52 AM	Vitals
04:53 AM	Treatment
04:59 AM	Treatment
04:59 AM	Vitals
05:00 AM	Treatment
05:24 AM	Vitals
05:24 AM	Treatment
05:24 AM	Vitals
05:45 AM	Treatment
05:45 AM	Vitals
05:45 AM	Treatment
05:45 AM	Vitals
06:44 AM	Treatment
06:44 AM	Vitals
06:44 AM	Treatment
06:44 AM	Vitals
07:57 AM	Treatment
07:57 AM	Vitals
07:57 AM	Treatment
07:57 AM	Vitals
07:59 AM	Vitals
08:02 AM	Treatment
08:02 AM	Vitals
08:05 AM	Treatment
08:05 AM	Vitals
08:08 AM	Vitals
08:08 AM	Treatment
08:14 AM	Treatment
08:14 AM	Vitals
08:16 AM	Vitals
09:02 AM	Treatment
09:02 AM	Vitals
09:03 AM	Treatment
09:03 AM	Vitals
09:10 AM	Treatment

B6

B6

Client:
Patient:

B6

Patient History

09:10 AM	Treatment
09:14 AM	Treatment
10:02 AM	Treatment
10:02 AM	Vitals
10:04 AM	Treatment
10:04 AM	Vitals
10:08 AM	Treatment
10:08 AM	Vitals
10:12 AM	Purchase
10:13 AM	Treatment
10:59 AM	Treatment
10:59 AM	Vitals
10:59 AM	Treatment
10:59 AM	Vitals
11:05 AM	Purchase
11:05 AM	Purchase
11:30 AM	Purchase
11:45 AM	Deleted Reason
11:47 AM	Treatment
11:47 AM	Vitals
11:47 AM	Treatment
11:47 AM	Vitals
11:53 AM	Treatment
11:53 AM	Vitals
11:53 AM	Vitals
12:59 PM	Treatment
12:59 PM	Vitals
01:00 PM	Treatment
01:00 PM	Vitals
01:01 PM	Treatment
02:13 PM	Treatment
02:17 PM	Treatment
02:17 PM	Vitals
02:17 PM	Treatment
02:17 PM	Vitals
02:22 PM	Vitals
02:22 PM	Treatment
02:59 PM	Treatment
02:59 PM	Vitals
03:30 PM	Treatment
03:30 PM	Vitals

B6

B6

Client:
Patient:

B6

Patient History

03:52 PM	Treatment
03:52 PM	Vitals
04:58 PM	Treatment
04:58 PM	Vitals
05:02 PM	Treatment
05:03 PM	UserForm
05:16 PM	Treatment
05:16 PM	Vitals
05:17 PM	Treatment
05:17 PM	Treatment
05:17 PM	Treatment
05:17 PM	Vitals
05:28 PM	Treatment
05:28 PM	Vitals
06:03 PM	Treatment
06:03 PM	Vitals
06:54 PM	Treatment
06:54 PM	Vitals
06:56 PM	Treatment
06:56 PM	Vitals
07:20 PM	Treatment
07:20 PM	Vitals
07:20 PM	Treatment
07:20 PM	Vitals
07:56 PM	Treatment
07:56 PM	Vitals
08:17 PM	Treatment
08:17 PM	Vitals
09:00 PM	Treatment
09:00 PM	Vitals
09:00 PM	Treatment
09:15 PM	Treatment
09:15 PM	Vitals
09:41 PM	Treatment
09:41 PM	Vitals
09:43 PM	Vitals
09:43 PM	Treatment
10:40 PM	Treatment
10:40 PM	Vitals
11:07 PM	Purchase
11:31 PM	Treatment
11:31 PM	Vitals
11:31 PM	Treatment
11:31 PM	Vitals
12:28 AM	Treatment

B6

B6

Client:
Patient:

B6

Patient History

12:28 AM	Vitals
01:05 AM	Treatment
01:05 AM	Vitals
01:05 AM	Treatment
01:06 AM	Treatment
01:09 AM	Treatment
01:12 AM	Treatment
01:12 AM	Vitals
01:12 AM	Treatment
01:12 AM	Vitals
02:47 AM	Treatment
02:47 AM	Vitals
03:16 AM	Treatment
03:16 AM	Vitals
03:37 AM	Treatment
03:37 AM	Vitals
04:23 AM	Treatment
04:23 AM	Vitals
05:33 AM	Treatment
05:33 AM	Treatment
05:36 AM	Treatment
05:36 AM	Vitals
05:36 AM	Treatment
05:36 AM	Vitals
05:36 AM	Treatment
05:36 AM	Vitals
05:40 AM	Vitals
05:40 AM	Treatment
05:59 AM	Treatment
05:59 AM	Vitals
06:21 AM	Vitals
06:51 AM	Treatment
06:51 AM	Vitals
07:42 AM	Treatment
07:42 AM	Vitals
08:08 AM	Treatment
08:08 AM	Vitals
08:08 AM	Treatment
08:08 AM	Vitals
08:08 AM	Treatment
08:08 AM	Vitals
09:06 AM	Treatment
09:06 AM	Vitals
09:07 AM	Treatment
09:07 AM	Vitals
09:16 AM	Treatment
09:19 AM	Purchase

B6

B6

Client:
Patient:

B6

Patient History

09:20 AM	Treatment
09:20 AM	Treatment
09:20 AM	Vitals
09:27 AM	Labwork
10:02 AM	Treatment
10:02 AM	Vitals
10:02 AM	Treatment
10:02 AM	Vitals
10:02 AM	Vitals
11:05 AM	Purchase
11:05 AM	Purchase
11:09 AM	Treatment
11:09 AM	Vitals
11:29 AM	Appointment
12:17 PM	Treatment
12:17 PM	Vitals
12:17 PM	Treatment
12:17 PM	Vitals
12:17 PM	Treatment
12:17 PM	Vitals
01:05 PM	Treatment
01:05 PM	Vitals
01:07 PM	Treatment
01:27 PM	Deleted Reason
01:27 PM	Purchase
01:32 PM	Prescription
01:36 PM	Prescription
01:36 PM	Treatment
01:36 PM	Vitals
01:36 PM	Treatment
01:36 PM	Vitals
01:36 PM	Treatment
01:36 PM	Vitals
02:35 PM	Email
12:59 PM	UserForm
01:22 PM	Treatment
01:23 PM	UserForm
01:25 PM	Vitals
01:37 PM	Purchase
01:38 PM	Purchase
01:53 PM	Vitals
02:20 PM	Prescription

B6

B6

B6

Client: **B6**
Patient: **B6**

Patient History

B6	02:22 PM	Purchase	B6
	03:19 PM	Appointment	
	03:21 PM	Email	

Discharge Instructions

Patient

Name: B6
Signalment: B6 Years Old Brown/White Female (Spayed) Pit Bull

Owner

Name:
Address:

B6

Patient ID: B6
Emergency Clinician: B6 DVM (Intern - SAM), B6 BVSc (Resident - Emergency and Critical Care)
Consulting Clinician:

ER Supervisor:

B6

Admit Date: B6 8:55:09 AM
Check Out Date: B6

Diagnosis:

1. Congestive Heart Failure: dilated cardiomyopathy

Case Summary: B6 presented to the ER in significant respiratory distress. She was diagnosed with heart failure and required hospitalisation in an oxygen kennel alongside intravenous medications: B6 to control her breathing. Echocardiography (heart scan) showed that she had a dilated heart, a condition called dilated cardiomyopathy. B6 has responded well to treatment and soon started breathing well outside of oxygen. She has done well today and can now go home. B6 must receive all her medications in order to manage her heart condition. It is also very important that is fed the prescription hypoallergenic food ONLY.

B6

B6

B6

B6

Diet suggestions:

B6 should continue to be fed Purina HA dry. She seemed to like that food while in hospital.

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable - a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>).

Your dog's usual diet may also have more sodium than recommended - we want your dog to continue to eat their normal diet for the first 7 to 14 days so we can make sure they are tolerating medications well. After that time, we would recommend slowly introducing one of the lower sodium diets on the HeartSmart list (25% of the new diet and 75% old diet for 2-3 days, then 50:50, etc.). You can find a diet on the list that your dog likes to eat. Alternatively, if you are attached to the current diet you can research the amount of sodium in the diet to ensure that the sodium content is similar to those on the list.

- The FDA is currently investigating an apparent association between diet and a type of heart disease called dilated cardiomyopathy. The exact cause is still unclear, but it appears to be associated with boutique diets and those containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.
- We recommend switching B6 to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.
- The FDA issued a statement regarding this issue (<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm613305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's Petfoodology blog can further explain these findings (<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).
- Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease.

If your dog has special nutritional needs or requires a homecooked diet, we recommend you schedule an appointment with our nutritionists (508-887-4696).

Exercise Recommendations:

For the first 7 to 10 days after starting medications for heart failure, we recommend very limited activity. Leash walking only is ideal, and short walks to start. Once the heart failure is better controlled, then slightly longer walks are acceptable. However, if you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high-energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

Recheck/Follow-up:

A recheck exam has been scheduled for

Friday, February 22, 2019 at 1:00pm with B6

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY
Cardiology Liaison: 508-887-4696

B6

Patient ID: **B6**

B6 Canine
years Old Female (Spayed) Pit Bull
Brown/White BW: Weight (kg) 19.00

Cardiology Consultation ENROLLED IN DCM STUDY

Date: **B6**

Weight: Weight (kg) 19.00

Requesting Clinician: **B6** DVM (Intern - SAM)

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Thoracic radiographs available for review?

- Yes - in ER email
- Yes - in PACS
- No

Patient location: ER

Presenting complaint and important concurrent diseases: Dyspnea

STOP - remainder of form to be filled out by Cardiology

Physical Examination

B6

Muscle condition:

- Normal
- Mild muscle loss
- Moderate cachexia
- Marked cachexia

Cardiovascular Physical Exam

Murmur Grade:

- None
- I/VI
- IV/VI
- V/VI

- II/VI
- III/VI

- V/VI

Murmur location/description: left apical systolic (animal panting, difficult auscultation)

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck
- Top 2/3 of the neck
- 1/2 way up the neck

Arterial pulses:

- Weak vs.
- Fair at most
- Good
- Strong
- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other (describe):

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats
- Bradycardia
- Tachycardia

Gallop:

- Yes
- No
- Intermittent
- Pronounced
- Other:

Pulmonary assessments:

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds
- Pulmonary Crackles
- Wheezes
- Upper airway stridor
- Other auscultatory findings:

Abdominal exam:

- Normal
- Hepatomegaly
- Abdominal distension
- Mild ascites

Echocardiogram Findings:

B6

Mitral inflow: not assessed

- Summated
- Normal
- Pseudonormal
- Restrictive

Delayed relaxation

Blood Pressure (mmHg): recommended

Radiographic findings:

B6

Assessment and recommendations:

Marked LV contractile dysfunction with severe LA dilation, and thoracic radiographs are suggestive of CHF. Severe PHTN could be post (L-CHF) or pre-capillary (primary lung disease). As patient has no history of HW preventative, recommend 4DX. Unclear whether there is TV dysplasia or severe TR is just secondary to severe RV dilation and PHT. Recommend repeat echo when patient is more stable and r/o PS and +/- bubble study. Keep patient in O2 chamber.

B6

B6

depending on clinical response. As patient is BAR and gets excited when manipulated, hold BP for now. As patient has been on a variety of diets with uncertain quality, recommend switch to a grain-based, nonboutique diet made by a well-established company. Recommend complete echocardiogram in 1-2 days or as soon as patient is stable.

Acknowledgment

B6

Patient improved resp rate overnight and nitroprusside was discontinued; patient should tolerate oxygen trial this morning. Echocardiogram revealed slight decrease in PHTN (PG was 71mmHg is 54mmHg this morning), No PDA or PS visualized, MR PG 98mmHg, E/A 2, E/e' 18. Heart rate is lower (100bpm) and no crackles bilaterally. B6 recommended q6-8h and assess respiratory rate hourly and kidney values today.

B6

Treatment plan:

B6

Final Diagnosis: DCM with LCHF; PHTN

Heart Failure Classification Score:

ISACHC Classification:

Ia

Ib

II

IIIa

IIIb

ACVIM CHF Classification:

A

B1

B2

C

D

M-Mode

IVSd

LVIDd

LVPWd

IVSs

LVIDs

LVPWs

EDV(Teich)

ESV(Teich)

EF(Teich)

%FS

SV(Teich)

Ao Diam

LA Diam

LA/Ao

Max LA

Time

HR

CO(Teich)

CI(Teich)

Ao Diam

LA Diam

LA/Ao

EPSS

B6

cm
cm
cm
cm
cm
ml
ml
%
%
ml
cm
cm

cm
ms
BPM
l/min
l/minm
cm
cm

cm

M-Mode Normalized

IVSdN

LVIDdN

LVPWdN

IVSsN

LVIDsN

LVPWsN

B6

{0.290 - 0.520}
{1.350 - 1.730} !
{0.330 - 0.530}
{0.430 - 0.710}
{0.790 - 1.140} !
{0.530 - 0.780} !

2D

SA LA

Ao Diam

SA LA / Ao Diam

IVSd

LVIDd

LVPWd

EDV(Teich)

IVSs

LVIDs

LVPWs

ESV(Teich)

EF(Teich)

%FS

SV(Teich)

LV Major

B6

cm
cm

cm
cm
cm
ml
cm
cm
cm
ml
%
%
ml
cm

LV Minor
Sphericity Index
LVld LAX
LVAd LAX
LVEDV A-L LAX
LVEDV MOD LAX
LVls LAX
LVA_s LAX
LVESV A-L LAX
LVESV MOD LAX
HR
EF A-L LAX
LVEF MOD LAX
SV A-L LAX
SV MOD LAX
CO A-L LAX
CO MOD LAX
RVIDD
RVIDS

Doppler

MR Vmax
MR maxPG
MV E Vel
MV DecT
MV Dec Slope
MV A Vel
MV E/A Ratio
E'
E/E'
A'
S'
IVRT
AV Vmax
AV maxPG
PV Vmax
PV maxPG
TR Vmax
TR maxPG

B6

cm

cm
cm
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BPM
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B6

m/s
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mmHg
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mmHg

Discharge Instructions

Patient

Name: B6

Species: Canine

Brown/White Female (Spayed) Pit Bull

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: B6

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6 V19

Admit Date: 2/22/2019 12:37:33 PM

Discharge Date: 2/22/2019

Diagnoses: Dilated cardiomyopathy (DCM) with congestive heart failure

Diagnostic test results and findings:

- o Labwork findings: The labwork results are pending. We will call you with these results.
- o ECG: The ECG did not show any arrhythmias on examination today.

Case summary:

Thank you for bringing B6 in for evaluation by the Tufts cardiology department for her recently diagnosed heart disease.

On exam today, B6 was bright and alert. You report that she is doing well at home and her respiratory rate has been between 18-24 when she is sleeping. ECG did not show any arrhythmias. B6 was breathing slightly harder after her exam so she was given one dose of furosemide. We are going to keep her on her current medication regimen and add an ACE inhibitor (enalapril) to reduce the workload on her heart.

B6

B6

Recommended Medications:

B6

Exercise Recommendations:

For the first 7 to 10 days after starting medications for heart failure we recommend very limited activity. Leash walking only is ideal, and short walks to start. Once the heart failure is better controlled, then slightly longer walks are acceptable. However, if you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

Recheck Visits:

A recheck has been scheduled for

Monday, May 13, 2019 at 1:00PM with B6

Thank you for entrusting us with B6 care. Please contact our Cardiology liaison at (508)-887-4696 or email us at cardiovet@tufts.edu for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

Prescription Refill Disclaimer:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: vet.tufts.edu/cvmc/clinical-studies

Case: B6

Owner: B6

Discharge Instructions

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

B6

Patient ID: **B6**

B6 Canine
Years Old Female (Spayed) Pit Bull
Brown/White

Cardiology Appointment Report -Patient enrolled in the DCM study-

Date: 2/22/2019

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: **B6** V19

Presenting Complaint:

DCM

General Medical History:

Presented to ER for dyspnea **B6** On exam, grade II/VI murmur. Echo showed decreased contractility, marked RH dilation, thickened MV and TV, 2+ MR.
O reports doing well at home since discharge

Diet and Supplements:

Prescription purina cardiac diet, eating well
coconut oil to give medication

Cardiovascular History:

Prior CHF diagnosis? N

Prior heart murmur? Y

Prior ATE? N

Prior arrhythmia? N

Monitoring respiratory rate and effort at home? Yes, once a day, around 18-24

Cough? Coughed a few times last night, otherwise no cough, some sneezing

Shortness of breath or difficulty breathing? No

Syncope or collapse? No

Sudden onset lameness? No

Exercise intolerance? No

Current Medications Pertinent to CV System:

B6

Cardiac Physical Examination:

B6

Physical Examination:

- | | |
|--|--|
| <input type="checkbox"/> Normal | <input type="checkbox"/> Moderate cachexia |
| <input checked="" type="checkbox"/> Mild muscle loss | <input type="checkbox"/> Marked cachexia |

Cardiovascular Physical Exam:

Murmur Grade:

- | | |
|--|--------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> IV/VI |
| <input type="checkbox"/> I/VI | <input type="checkbox"/> V/VI |
| <input type="checkbox"/> II/VI | <input type="checkbox"/> VI/VI |
| <input checked="" type="checkbox"/> III/VI | |

Murmur location/description: left apical systolic

Jugular vein:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Bottom 1/3 of the neck | <input type="checkbox"/> 1/2 way up the neck |
| <input type="checkbox"/> Middle 1/3 of the neck | <input type="checkbox"/> Top 2/3 of the neck |

Arterial pulses:

- | | |
|--|---|
| <input type="checkbox"/> Weak | <input type="checkbox"/> Bounding |
| <input type="checkbox"/> Fair | <input type="checkbox"/> Pulse deficits |
| <input checked="" type="checkbox"/> Good | <input type="checkbox"/> Pulsus paradoxus |
| <input type="checkbox"/> Strong | <input type="checkbox"/> Other: |

Arrhythmia:

- | | |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> Bradycardia |
| <input type="checkbox"/> Sinus arrhythmia | <input type="checkbox"/> Tachycardia |
| <input type="checkbox"/> Premature beats | |

Gallop:

- Yes
- No
- Intermittent

- Pronounced
- Other:

Pulmonary assessments:

- Eupneic
- Mild dyspnea with excitement
- Marked dyspnea
- Normal BV sounds

- Pulmonary crackles
- Wheezes
- Upper airway stridor

Abdominal exam:

- Normal
- Hepatomegaly
- Abdominal distension

- Mild ascites
- Marked ascites

Problems:

DCM - CHF

Differential Diagnoses:

Diet-induced DCM vs. primary DCM

Diagnostic plan:

- Echocardiogram
- Chemistry profile
- ECG
- Renal profile
- Blood pressure

- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests:

B6

Assessment and recommendations:

Patient improved since discharge, normal appetite, good energy level and respiratory rate is ~18-20bpm. ACE inhibitor was started today (10mg SID for 3-4 days) and then increase to 10mg in the morning and 5mg in the evening, unless patient does not tolerate this dose or bloodwork performed today reveals any kidney change that may need dose adjustments. Patient will be on hydrolyzed diet (HA) until she's through with current bag and then will try the ProPlan Sensitive Skin and Stomach. If she develops diarrhea on this diet, client is instructed to go back to HA. Recheck scheduled for 3 months, or sooner in

case patient develops clinical signs consistent with worsening of the disease.

Final Diagnosis:

DCM - r/o primary vs. diet-induced.

Heart Failure Classification Score:

ISACHC Classification:

Ia

Ib

II

IIIa

IIIb

ACVIM Classification:

A

B1

B2

C

D

Notice of Patient Admit

Date: B6 8:55:09 AM
Referring Doctor: B6
Client Name: B6
Patient Name: B6

Case No: B6

Dear B6

Your patient presented to our Emergency service. Please make note of the following information to facilitate communication with our team.

The attending doctor is B6

The reason for admission to the FHSA is: DCM, PHT, CHF

If you have any questions regarding this particular case, please call 508-887-4988 to reach the ECC Service. Information is updated daily, by noon.

Thank you for your referral to our Emergency Service.

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

B6

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

B6 Female (Spayed)
Canine Pit Bull Brown/White
B6

B6

Dear **B6**

Thank you for referring **B6** with their pet **B6**

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

B6 DVM (Resident - Cardiology)

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

B6

B6

Female (Spayed)

Canine, Pit Bull, Brown/White

B6

B6

Dear **B6**

Thank you for referring **B6** with their pet **B6**

B6 presented to the Tufts ER on **B6** in significant respiratory distress. She was diagnosed with congestive heart failure secondary to dilated cardiomyopathy (DCM). **B6** was stabilised with oxygen therapy **B6**

B6 **B6** was enrolled into a research project with our Cardiology Service investigating an association between DCM and dogs fed grain free diets. She has done well and was discharged on **B6** with **B6**

B6 taurine and Purina HA dry food.

B6 has a recheck appointment scheduled with **B6** Resident in Cardiology, on **B6**

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

B6 BVSc (Resident - Emergency & Critical Care)

Report Details - EON-390104

ICSR:	2068046
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-06-10 17:24:05 EDT
Initial Report Date:	02/24/2019
Parent ICSR:	2063115
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	DCM and CHF diagnosed 2/16/19. Eating multiple BEG diets Taurine and troponin pending Dog changed to Purina HA vegetarian dry while in hospital and owner has continued this. Will try switching to Pro Plan Sensitive Skin and Stomach Salmon when bag of HA runs out. If she tolerates that, will stay on it. If not, will switch back to HA since she's done well on that.
	Date Problem Started:	02/16/2019
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	Diarrhea would develop 2-3 weeks after starting a new food. Owner rotated foods to try to avoid this.
	Outcome to Date:	Better/Improved/Recovering

Product Information:	Product Name:	Acana, Natural Balance, Petcurean (see diet history for additional details)	
	Product Type:	Pet Food	
	Lot Number:		
	Package Type:	BAG	
	Product Use Information:	Description:	Please see diet history for more info ("Natural Products" written on diet history form is "Natural Balance")
	Manufacturer /Distributor Information:		
	Purchase Location Information:		

Animal Information:	Name:	B6		
	Type Of Species:	Dog		
	Type Of Breed:	Terrier - Bull - American Pit		
	Gender:	Female		
	Reproductive Status:	Neutered		
	Weight:	18 Kilogram		
	Age:	B6 Years		
	Assessment of Prior Health:	Excellent		
	Number of Animals Given the Product:	1		
	Number of Animals Reacted:	1		
	Owner Information:	Owner Information provided:	Yes	
		Contact:	Name:	B6
		Phone:		
		Email:		
	Address:	B6		

B6

United States

Healthcare Professional Information:

Practice Name: Tufts Cummings School of Veterinary Medicine

Contact Name: Lisa Freeman

Phone: (508) 887-4523

Email: lisa.freeman@tufts.edu

Address: 200 Westboro Rd
North Grafton
Massachusetts
01536
United States

Sender Information:

Name: Lisa Freeman

Address: 200 Westboro Rd
North Grafton
Massachusetts
01536
United States

Contact Phone: 5088874523

Email: lisa.freeman@tufts.edu

Permission To Contact Sender: Yes

Preferred Method Of Contact: Email

Additional Documents:

Attachment: Diet hx 5-13-2019.pdf

Description: Diet History form

Type: Medical Records

Attachment: Troponin 3-6-2019.pdf

Description: Lab work

Type: Laboratory Report

Attachment: Follow-up records pt 2.pdf

Description: Medical Records

Type: Medical Records

Attachment: Follow-up records pt 1.pdf

Description: Medical Records

Type: Medical Records

Attachment: Recheck chem 21 5-13-2019.pdf

Description: Lab work

Type: Laboratory Report

Report Details - EON-388960		
ICSR:	2067506	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2019-05-28 15:31:05 EDT	
Reported Problem:	Problem Description: Patient presented to rDVM 5/17/2019 for evaluation of a cough x 1 month, extreme lethargy and decreased appetite. rDVM suspected CHF based on radiographs and worsening murmur - now a 4/6. A new arrhythmia was also discovered on ECG. Intermittent sinus rhythm with frequent APCs, occasional paroxysmal SVTs (short duration), isolated and couplet VPCs (LV and RV in origin). Confirmed patient was in left sided heart failure w/ advanced DMVD and decreased contractile function which is very uncommon with valvular disease.	
	Date Problem Started: 05/17/2019	
	Concurrent Medical Problem: Yes	
	Pre Existing Conditions: Previously diagnosed (Jan 2019) with with a 1-2/6 heart murmur - asymptomatic, rDVM rec rechecking in 1 year.	
	Outcome to Date: Stable	
Product Information:	Product Name: Bil Jac Picky No More® Small Breed Persnickety Recipe w/ chicken liver	
	Product Type: Pet Food	
	Lot Number:	
	Package Type: BAG	
	Product Use Information:	
	Manufacturer /Distributor Information:	
	Purchase Location Information:	
Animal Information:	Name:	
	Type Of Species: Dog	
	Type Of Breed: Spaniel - Cocker American	
	Gender: Female	
	Reproductive Status: Neutered	
	Weight: 14 Kilogram	
	Age: B6 years	
	Assessment of Prior Health: Excellent	
	Number of Animals Given the Product: 1	
	Number of Animals Reacted: 1	
	Owner Information:	Owner Information provided: Yes
		Contact: Name: B6
		Phone: B6
		Address: B6 United States
Healthcare Professional	Practice Name: Tufts Cummings School of Veterinary Medicine	

	Information:	Contact: Name: Phone: Email:	<div style="border: 1px dashed black; padding: 5px; display: inline-block; font-size: 24pt; font-weight: bold;">B6</div>
		Address: 200 Westboro Road North Grafton Massachusetts 01536 United States	
		Practice Name: Tufts University Cummings School of Veterinary Medicine	
		Contact: Name: Lisa Freeman Phone: 508 887 4696	
		Type of Veterinarian: Referred veterinarian	
		Permission to Release Records to FDA: Yes	
Sender Information:		Name:	<div style="border: 1px dashed black; padding: 2px; display: inline-block; font-weight: bold;">B6</div>
		Address: 200 Westboro Road North Grafton Massachusetts 01536 United States	
		Contact: Phone: Email:	<div style="border: 1px dashed black; padding: 2px; display: inline-block; font-weight: bold;">B6</div> <div style="border: 1px dashed black; padding: 2px; display: inline-block; font-weight: bold;">B6</div>
		Permission To Contact Sender: Yes	
		Preferred Method Of Contact: Email	
		Reported to Other Parties: None	
Additional Documents:		Attachment: Med Rec pt 1.pdf	
		Description: Medical Records	
		Type: Medical Records	
		Attachment: Med Rec pt 2.pdf	
		Description: Medical Records	
		Type: Medical Records	

All Medical Records

Client: [B6]
Address: [B6]

Patient: [B6]
Breed: Cocker Spaniel
DOB: [B6]

Species: Canine
Sex: Female
(Spayed)

Home Phone: [B6]
Work Phone: () -
Cell Phone: [B6]

Referring Information

[B6]

Client: [B6]
Patient: [B6]

Initial Complaint:

Emergency

SOAP Text [B6] 12:21PM [B6]

Subjective

NEW VISIT (ER)

Doctor: [B6]
Student: [B6] V20

Presenting complaint: Cough, cardiomegaly, CHF

Referral visit? Y

Diagnostics completed prior to visit:

Chem/SDMA - all WNL

Radiograph - Severe cardiomegaly with dorsal displacement of the trachea and left mainstem bronchi compression.

Pulmonary vessels are increased in diameter and lung lobar veins are bigger than the arteries. There is patchy interstitial pattern in the perihilar area. Caudal liver lobes look enlarged.

HISTORY:

Signalment: 10 yo SF Cocker Spaniel

Current history: O noted that in August of 2018, O+P moved from [B6] and into an apartment. At this time, O noted anxiety and a cough. O noted that vet in [B6] mentioned P had a heart murmur, but O had not noticed a cough until August. O noted that P is on a medication for anxiety but could not remember which medication. O noted that the last 3 months, the cough has gotten a lot worse. It is a constant cough that happens every 1.5 hours and throughout

Client: **B6**
Patient: **B6**

the night. O has also noted that P has become exercise intolerant and cannot walk very far without becoming short of breath. O brought P to the rDVM yesterday, 05/17/19 and the vet noted that P is in CHF and has a very enlarged heart. RDVM started P on **B6** hrs and referred P here for an echocardiogram. No S/V/D/PU/PD.

Prior medical history: none

Current medications: **B6**

Diet: Bill Jack Persnickety Dry BID

Vaccination status/flea & tick preventative use: UTD per O, f/t/hw prevention per O

Travel history: moved from **B6** August 2018

EXAM:

B6

CV: Grade IV/VI heart murmur auscultated. Arrhythmia appreciated. Fair femoral pulses.

B6

ASSESSMENT:

A1: Grade IV/VI heart murmur with arrhythmia and increased respiratory effort - CHF (due to advanced DMVD with active left sided CHF, moderate PHTN)

A2: Frequent ventricular and supraventricular arrhythmias

A3: **B6**
A4:

PLAN:

P1: Cardio consult

P2: **B6**
P3:
P4:

Client: **B6**
Patient: **B6**

B6
P5: **B6**

Client communication:

Discussed CHF based on rDVM rads, would recommend hospitalization for injectable lasix, O2 therapy, cardio consult/echo, **B6**. Told O that should get us an echocardiogram, which will help us understand the underlying issues with **B6** heart and can help us determine how best to modify her medications/address arrhythmia. However, is definitely riskier to send her home. O understands, but cannot hospitalize.

After cardio consult, discussed with O findings of active L-CHF, advanced DMVD, arrhythmias. She is a very unstable patient. Goal now is to address these things with medications. Went discharge instructions, went over how to monitor respiration at home, medications and plan for recheck on Friday. O is a little overwhelmed but up to try. Discussed we cannot cure heart failure, our goal is to get **B6** through this episode and try to prolong the amount of time until the next episode, however it will happen again at some point.

Deposit & estimate status:

Resuscitation code (if admitting to ICU):

SOAP approved (DVM to sign): **B6** DVM

Initial Complaint:

Recheck **B6** - consult thru ER (DMVD/DCM study?)

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
 Patient:

Cummings
Veterinary Medical Center
 AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
 North Grafton, MA 01536
 (508) 839-5395

Client: **B6**
 Veterinarian:
 Patient ID: **B6**
 Visit ID:

Patient:	B6
Species:	Canine
Breed:	Cocker Spaniel
Sex:	Female (Spayed)
Age:	B6 Years Old

Lab Results Report

None 5/18/2019 12:44:43 PM Accession ID: **B6**

Test	Results	Reference Range	Units
AGAP (i-STAT)	B6	8 - 25	mmol/L
AGAP (i-STAT)		8 - 25	mmol/L
Hb		12 - 17	g/dL
Hb		12 - 17	g/dL
HCT		35 - 50	%
HCT		35 - 50	%
Creat		0.5 - 1.3	
Creat		0.5 - 1.3	
BUN		10 - 26	mg/dL
BUN		10 - 26	mg/dL
K+		3.4 - 4.9	mEq/L
Glucose (i-STAT)		60 - 115	mg/dL
Glucose (i-STAT)		60 - 115	mg/dL
iCa		1.12 - 1.4	mmol/L
TCO2		17 - 25	mmol/L
TCO2		17 - 25	mmol/L
iCa		1.12 - 1.4	mmol/L
iCa		1.12 - 1.4	mmol/L
Cl-		106 - 127	mEq/L
Cl-		106 - 127	mEq/L
K+	3.4 - 4.9	mEq/L	



Client: **B6**
 Patient: **B6**

K+		3.4 - 4.9	mEq/L
Na *	B6	142 - 150	mEq/L
Na *		142 - 150	mEq/L

None 5/18/2019 12:45:42 PM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FISA)		0 - 0	g/dl
PCV **	B6	0 - 0	%
TS (FHSA)		0 - 0	g/dl

None 5/24/2019 3:29:26 PM Accession ID: **B6**

Test	Results	Reference Range	Units
GLUCOSE		67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
MAGNESIUM 2+		1.8 - 3	mEq/L
T. PROTEIN		5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L
CHLORIDE		106 - 116	mEq/L
POTASSIUM	B6	3.7 - 5.4	mEq/L
ICO2 (BICARB)		14 - 28	mEq/L
AGAP		8 - 19	
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
GGT		0 - 10	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CK		22 - 422	U/L
CHOLESTEROL		82 - 355	mg/dL
TRIGLYCERIDES		30 - 338	mg/dl
AMYLASE		409 - 1250	U/L
OSMOLALITY (CALCULATED)		291 - 315	mmol/L
COMMENTS (CHEMISTRY)		0 - 0	

Moderate hemolysis Moderate lipemia

Client: **B6**
Patient: **B6**

B6 Hospital Records

Patient History Report

Client: **B6** Patient: **B6**
Phone: **B6** Species: Canine Breed: Spaniel, Cocker
Address: **B6** Age: **B6** Sex: Spayed Female
Color: Black/Tan

Date	Type	Staff	History
------	------	-------	---------

5/18/2019	TC	B6	pc from owner - she is going to call Tufts and try to get in today - TENTATIVE
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5/18/2019 TC **B6** P.C. lab results and recommendations - TENTATIVE
Called **B6** with Chem results (all wnl). She feels like **B6** is doing better, advise continue **B6** at present dose until evaluated by cardiologist. She will pursue echo at **B6** where her children take their pets. I stressed need cardiologist and if they do not have one available within several days, she can contact us so we can get get info to a referral institution of her choice. **B6** today, or **B6** or Tufts next week.)

B6 **B6** *****HAH Blank Document - FINAL **B6** Check cough
Veterinarian **B6** DVM **B6**
Patient Name **B6**

Technician: **B6**

Reason for Visit: cough

Vital Sign	Time	Value
	10:39 AM	B6
	3:35 PM	B6

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative med note, V: Vital signs

B6 Hospital

Page 1 of 4

Date: 5/18/2019 10:00 AM

Client: **B6**
Patient:

B6 Hospital Records

Patient History Report

Client:	B6	Patient:	B6	Breed:	Spaniel, Cocker
Phone:		Species:	Canine	Sex:	Spayed Female
Address:		Age:	B6	Color:	Black/Tan

Date	Type	Staff	History
------	------	-------	---------

Weight: 26 pounds 29 pounds

O reports that **B6** has had a cough for about a month now. O says it sounds like a hacking cough. She has no contact with other dogs. O says that **B6** had told her that her heart murmur could cause a cough at her last visit. O says that her appetite is normal but that she does have slightly looser stools. O says that she is acting very lethargic. Temp 101.4.

Exam: Pigmentary keratitis ventral 1/3 cornea OD. Bilat mild ceruminous otitis. Moderate to severe P+C. Grade 3-4/6 cardiac murmur; some arrhythmias auscultated. Mild dyspnea; color and CRT wnl.

Lateral thorax: generalized cardiomyopathy, dorsal caudal increased interstitial pattern

A: Cough, long standing murmur, evidence of generalized heart enlargement and CHF

P: Discussed findings with owner. Emphasized seriousness of CHF and need for cardiac evaluation. Chem drawn; administered **B6** q 6 hours starting 8 p.m. tonight. Advise echo consult ASAP.

B6 TC **B6** **B6** Technician History: TENTATIVE
Technician: **B6**

Reason for Visit: cough

Vital Sign	B6 10:39 AM	B6 3:35 PM
CD		TLD
Weight	26 pounds	29 pounds

O reports that **B6** has had a cough for about a month now. O says it sounds like a hacking cough. She has no contact with other dogs. O says that **B6** had told her that her heart murmur could cause a cough at her last visit. O says that her appetite is normal but that she does have slightly looser stools. O says that she is acting very lethargic. Temp 101.4.

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B6 Hospital

Page 2 of 4

Date: 5/18/2019 10:00 AM

Client: **B6**
Patient:

B6 Animal Hospital Records

Patient History Report

Client: **B6** Patient: **B6**
Phone: **B6** Species: **Canine** Breed: **Spaniel, Cocker**
Address: **B6** Age: **B6** Sex: **Spayed Female**
Color: **Black/Tan**

Date	Type	Staff	History
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Date	Type	Staff	History																																																																																							
5/17/2019	L	B6	<p>Chemistry results from IDEXX Reference Laboratory Requisition ID: B6 Posted Final</p> <table border="1"><thead><tr><th>Test</th><th>Result</th><th>Reference Range</th></tr></thead><tbody><tr><td>ALB</td><td></td><td>2.7 - 3.9</td></tr><tr><td>ALKP</td><td></td><td>5 - 160</td></tr><tr><td>ALT</td><td></td><td>18 - 121</td></tr><tr><td>AMYL</td><td></td><td>337 - 1469</td></tr><tr><td>ANION GAP</td><td></td><td>11 - 26</td></tr><tr><td>AST</td><td></td><td>16 - 55</td></tr><tr><td>BICARB</td><td></td><td>13 - 27</td></tr><tr><td>BUN/UREA</td><td></td><td>9 - 31</td></tr><tr><td>Ca</td><td></td><td>8.4 - 11.8</td></tr><tr><td>Chloride</td><td></td><td>108 - 119</td></tr><tr><td>CHOL</td><td></td><td>131 - 345</td></tr><tr><td>CREA</td><td></td><td>0.5 - 1.5</td></tr><tr><td>DBIL</td><td></td><td>0.0 - 0.1</td></tr><tr><td>GGT</td><td></td><td>0 - 13</td></tr><tr><td>GLU</td><td></td><td>63 - 114</td></tr><tr><td>IBIL</td><td></td><td>0.0 - 0.2</td></tr><tr><td>LIPA</td><td></td><td>138 - 755</td></tr><tr><td>PHOS</td><td></td><td>2.5 - 6.1</td></tr><tr><td>Potassium</td><td></td><td>4.0 - 5.4</td></tr><tr><td>TBIL</td><td></td><td>0.0 - 0.3</td></tr><tr><td>TP</td><td></td><td>5.5 - 7.5</td></tr><tr><td>Sodium</td><td></td><td>142 - 152</td></tr><tr><td>A/G Ratio</td><td></td><td>0.7 - 1.5</td></tr><tr><td>B/C Ratio</td><td></td><td></td></tr><tr><td>Na/K Ratio</td><td></td><td>28 - 37</td></tr><tr><td>GLOB</td><td></td><td>2.4 - 4.0</td></tr><tr><td>CK</td><td></td><td>10 - 200</td></tr><tr><td>SDMA</td><td></td><td>0 - 14</td></tr></tbody></table>	Test	Result	Reference Range	ALB		2.7 - 3.9	ALKP		5 - 160	ALT		18 - 121	AMYL		337 - 1469	ANION GAP		11 - 26	AST		16 - 55	BICARB		13 - 27	BUN/UREA		9 - 31	Ca		8.4 - 11.8	Chloride		108 - 119	CHOL		131 - 345	CREA		0.5 - 1.5	DBIL		0.0 - 0.1	GGT		0 - 13	GLU		63 - 114	IBIL		0.0 - 0.2	LIPA		138 - 755	PHOS		2.5 - 6.1	Potassium		4.0 - 5.4	TBIL		0.0 - 0.3	TP		5.5 - 7.5	Sodium		142 - 152	A/G Ratio		0.7 - 1.5	B/C Ratio			Na/K Ratio		28 - 37	GLOB		2.4 - 4.0	CK		10 - 200	SDMA		0 - 14
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Asc: **B6**
RE: 281 HEMOLYSIS INDEX N
Index of N, 1+, 2+ exhibits no significant effect on chemistry values.
RE: 282 LIPEMIA INDEX N
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BOTH SDMA AND CREATININE ARE WITHIN THE REFERENCE INTERVAL which indicates kidney function is likely good. Evaluate a complete urinalysis and confirm there is no other evidence of kidney disease.

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Client: **B6**
Patient:

B6 Animal Hospital Records

Patient History Report

Client: **B6** Patient: **B6**
Phone: **B6** Species: Canine Breed: Spaniel, Cocker
Address: **B6** Age: **B6** Sex: Spayed Female
Color: Black/Tan

Date	Type	Staff	History
------	------	-------	---------

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimate, I: Departing instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative medl note, V: Vital signs

Client: **B6**
Patient: **B6**

RDVM **B6** Animal hosp medical records **B6**

B6 Animal Hospital Records

Patient History Report

Client: **B6** Patient: **B6**
Phone: **B6** Species: **Cat/Dog** Breed: **Spaniel, Cocker**
Address: **B6** Age: **B6** Sex: **Spayed Female**
Color: **Black/Tan**

Date	Type	Staff	History
5/18/2019	TC	B6	pc from owner - she is going to call Tufts and try to get in today - TENTATIVE

5/18/2019 T.G. **B6** P.C. lab results and recommendations - TENTATIVE
Called **B6** with Chem results (all wnl). She feels like **B6** is doing better, advise continue Eurosemide at present dose until evaluated by cardiologist. She will pursue echo at **B6** where her children take their pets. I stressed need cardiologist and if they do not have one available within several days she can contact us so we can get get info to a referral institution of her choice. **B6** today, or **B6** or Tufts next week.)

5/17/2019 C **B6** ***** **B6** Blank Document - FINAL **B6** - Check cough
Veterinarian: **B6** DVM **B6** Patient Name: **B6**

Technician: **B6**

Reason for Visit: cough

Vital Sign	B6	B6
	10:39 AM	3:35 PM

B: Billing, C: Med note, CB: Call back, CK: Check-in, CM: Communications, D: Diagnosis, DH: Declined to history, E: Examination, ES: Estimates, I: Departing Instr, L: Lab result, M: Image cases, P: Prescription, PA: PVL Accepted, PB: problems, PP: PVL Performed, PR: PVL Recommended, R: Correspondence, T: Images, TC: Tentative med note, V: Vital signs

Client: **B6**
Patient:

RDVM **B6** Animal hosp medical records **B6**

B6 Animal Hospital Records

Patient History Report

Client: **B6**
Phone: **B6**
Address: **B6**
Patient: **B6**
Species: **B6**
Age: **B6**
Color: Black/Tan
Breed: Spaniel, Cocker
Sex: Spayed Female

Date	Type	Staff	History
------	------	-------	---------

Weight 26 pounds 29 pounds

O reports that **B6** has had a cough for about a month now. O says it sounds like a hacking cough. She has no contact with other dogs. O says that **B6** had told her that her heart murmur could cause a cough at her last visit. O says that her appetite is normal but that she does have slightly looser stools. O says that she is acting very lethargic. Temp 101.4

Exam: Pigmentary keratitis ventral 1/3 cornea OD. Bilat mild ceruminous otitis. Moderate to severe P+C. Grade 3-4/6 cardiac murmur; some arrhythmias auscultated. Mild dyspnea; color and CRT wnl.
Lateral thorax: generalized cardiomyopathy, dorsal caudal increased interstitial pattern
A: Cough, long standing murmur, evidence of generalized heart enlargement and CHF
P: Discussed findings with owner. Emphasized seriousness of CHF and need for cardiac evaluation. Chem drawn; administered **B6** 2 q 6 hours starting 8 p.m. tonight. Advise echo consult ASAP.

5/17/2019 TC **B6** **B6** Technician History - TENTATIVE
Technician: **B6**

Reason for Visit: cough

Vital Sign	B6 11:38 AM	B6 3:35 PM
Weight	26 pounds	29 pounds

O reports that **B6** has had a cough for about a month now. O says it sounds like a hacking cough. She has no contact with other dogs. O says that **B6** had told her that her heart murmur could cause a cough at her last visit. O says that her appetite is normal but that she does have slightly looser stools. O says that she is acting very lethargic. Temp 101.4

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Client: **B6**
Patient:

RDVM **B6** Animal hosp medical records **B6**

B6 Animal Hospital Records

Patient History Report

Client: **B6** Patient: **B6**
Phone: **B6** Species: Canine Breed: Spaniel, Cocker
Address: **B6** Age: **B6** Sex: Spayed Female
Color: Black/Tan

Date	Type	Staff	History
------	------	-------	---------

5/17/2019 L **B6** Chemistry results from IDEXX Reference Laboratory Requisition

Test	Result	Reference Range
ALB		2.7 - 3.9
ALKP		5 - 160
ALT		18 - 121
AMYL		337 - 1469
ANION GAP		11 - 26
AST		16 - 55
BICARB		13 - 27
BUN/UREA		9 - 31
Ca		8.4 - 11.8
Chloride		108 - 119
CHOL		131 - 345
CREA		0.5 - 1.5
DBIL		0.0 - 0.1
GGT		0 - 13
GLU		63 - 114
IBIL		0.0 - 0.2
LIPA		138 - 755
PHOS		2.5 - 6.1
Potassium		4.0 - 5.4
TBIL		0.0 - 0.3
TP		5.5 - 7.5
Sodium		142 - 152
A/G Ratio		0.7 - 1.5
B/C Ratio		
Na/K Ratio		28 - 37
GLOB		2.4 - 4.0
CK		10 - 200
SDMA		0 - 14

Ascn: **B6**
RE: 281 HEMOLYSIS INDEX N
Index of N, 1+, 2+ exhibits no significant effect on chemistry values.
RE: 282 LIPEMIA INDEX N
Index of N, 1+, 2+ exhibits no significant effect on chemistry values.

BOTH SDMA AND CREATININE ARE WITHIN THE REFERENCE INTERVAL which indicates kidney function is likely good. Evaluate a complete urinalysis and confirm there is no other evidence of kidney disease.

B Billing, C Med note, CB Call back, CK Check-in, CM Communications, DD Diagnosis, DH Declined to history, E Examination, ES Estimates, I Departing instr, L Lab result, M Image cases, P Prescription, PA-PVL Accepted, PB problems, PP-PVL Performed, PR-PVL Recommended, R Correspondence, T Images, TC Tentative recd note, V Vital signs

B6 Animal Hospital

Page 3 of 4

Date: 5/18/2019 10:00 AM

Client: **B6**
Patient:

RDVM **B6** Animal hosp medical records **B6**

B6 Animal Hospital Records

Patient History Report

Client:	B6	Patient:	B6	Breed:	Spaniel, Cocker
Phone:		Species:	Canine	Sex:	Spayed Female
Address:		Age:	B6	Color:	Black/Tan

Date	Type	Staff	History
------	------	-------	---------

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Client: **B6**
Patient: **B6**

Chem 5/24/2019



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB: **B6** Sex: SF Provider: **B6**
Patient ID: **B6** Age: 10 Order Location: V320559: Investigation into
Phone number: Species: Canine Sample ID: 1905240076
Collection Date: 5/24/2019 3:29 PM Breed: Cocker Spaniel
Approval date: 5/24/2019 4:18 PM

Research Chemistry Profile - Small Animal (Cobas)

	Ref. Range/Females
CSTCYR	
Glucose	67-135 mg/dL
Urea	8-30 mg/dL
Creatinine	0.6-2.0 mg/dL
Phosphorus	2.6-7.2 mg/dL
Calcium 2	9.4-11.3 mg/dL
Magnesium 2+	1.8-3.0 mEq/L
Total Protein	5.5-7.8 g/dL
Albumin	2.8-4.0 g/dL
Globulins	2.3-4.2 g/dL
A/G Ratio	0.7-1.6
Sodium	140-150 mEq/L
Chloride	106-116 mEq/L
Potassium	3.7-5.4 mEq/L
tCO2(Bicarb)	14-28 mEq/L
AGAP	8.0-19.0
NA/K	29-40
Total Bilirubin	0.10-0.30 mg/dL
Alkaline Phosphatase	12-127 U/L
GGT	0-10 U/L
ALT	14-86 U/L
AST	9-54 U/L
Creatine Kinase	22-422 U/L
Cholesterol	82-355 mg/dL
Triglycerides	30-338 mg/dl
Amylase	409-1250 U/L
Osmolality (calculated)	291-315 mmol/L
Comments (Chemistry)	

B6

Sample ID: 1905240076.1
END OF REPORT (Final)

Reviewed by: _____

Client: **B6**
 Patient: **B6**

Diet Hx 5/24/2019

CARDIOLOGY DIET HISTORY FORM
 Please answer the following questions about your pet

Pet's name: **B6** Owner's name: **B6** Today's date: 5-24-2019

1. How would you assess your pet's appetite? (mark the point on the line below that best represents your pet's appetite)
 Example: Poor _____ Excellent
 Poor _____ Excellent

2. Have you noticed a change in your pet's appetite over the last 1-2 weeks? (check all that apply)
 Eats about the same amount as usual Eats less than usual Eats more than usual
 Seems to prefer different foods than usual Other _____

3. Over the last few weeks, has your pet (check one)
 Lost weight Gained weight Stayed about the same weight Don't know

1. Please list below ALL pet foods, people food, treats, snack, dental chews, rawhides, and any other food item that your pet currently eats and that you have fed in the last 2 years.

Please provide enough detail that we could go to the store and buy the exact same food - examples are shown in the table

Food (include specific product and flavor)	Form	Amount	How often?	Dates fed
Nutro Grain Free Chicken, Lentil, & Sweet Potato Adult	dry	1 1/2 cup	2x/day	Jan 2016-present
85% lean hamburger	microwaved	3 oz	1x/week	June -Aug 2016
Pupperoni original beef flavor	treat	1/2	1x/day	Sept 2016-present
Rawhide	treat	6 inch twist	1x/week	Dec 2018-present
CALL OF THE WILD / BLUE JAC CHICKEN - RICE	DRY BAKED	1/2 cup	2x/day	July 2018-present
MILK BONE SOFT TREATS	TREAT	6	A DAY	

*Any additional diet information can be listed on the back of this sheet

2. Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, or any other supplements)? Yes No If yes, please list which ones and give brands and amounts:

	Brand/Concentration	Amount per day
Taurine <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Carnitine <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Antioxidants <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Multivitamin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Fish oil <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Coenzyme Q10 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	_____	_____
Other (please list): Example: Vitamin C	Nature's Bounty	500 mg tablets - 1 per day
_____	_____	_____
_____	_____	_____
_____	_____	_____

3. How do you administer pills to your pet?
 I do not give any medications
 I put them directly in my pet's mouth without food
 I put them in my pet's dog/cat food
 I put them in a Pill Pocket or similar product
 I put them in foods (list foods): Dog food

Client: **B6**
Patient: **B6**

B6 - NTproBNP 5/25/2019

IDEXX Reference Laboratories

Client: **B6** Patient: **B6**

Client: **B6**
Patient: **B6**
Species: CANINE
Breed: COCKER_SPANIEL
Gender: FEMALE S PAVED
Age: 10Y

Date: 05/24/2019
Requisition #: **B6**
Accession #: **B6**
Ordered by: **B6**

B6
TUFTS UNIVERSITY
200 WES TBO RO RD
NORTH GRAFTON, Massachusetts 01536
508-839-5395
Account: **B6**

CARDIOPET proBNP - CANINE

Test	Result	Reference Range	Unit	Manual	High
CARDIOPET proBNP - CANINE	B6	0 - 900 pmol/L	HIGH	B6	

Comments:

1. Cardiopet proBNP >1800pmol/L

B6

Please note: Complete interpretive comments for all concentrations of cardiopet proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

Client: **B6**
Patient:

Vitals Results

B6	11:14:07 AM	B6
	11:14:08 AM	
	11:14:09 AM	
	11:14:10 AM	
	12:43:53 PM	
	12:54:58 PM	
	1:33:08 PM	
	1:33:09 PM	
	1:33:10 PM	
	1:33:11 PM	
	3:08:13 PM	
	4:11:00 PM	
	12:04:05 PM	

Client:
Patient:

B6

B6

Animal Hospital CXR

B6

B6

Client: **B6**
Patient: **B6**

EKG from cardio

B6

B6

12:42:53 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client:
Patient:

B6

EKG from cardio

B6

B6

12:44:32 PM

Page 1 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client:
Patient:

B6

EKG from cardio

B6

B6

12:44:32 PM

Page 2 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**
Patient: **B6**

EKG from cardio

B6

B6

12:44:37 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client:
Patient:

B6

EKG from cardio

B6

B6

12:44:59 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

12 Lead Standard Placement

B6

Client: **B6**
Patient:

EKG from cardio

B6

B6

12:45:43 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

12 Lead Standard Placement

B6

Client: **B6**
Patient:

EKG from cardio

B6

B6 12:45:55 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**
Patient:

ECG from Cardio

B6

B6 1:57:20 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client:
Patient:

B6

ECG from Cardio

B6

Client: **B6**
Patient:

ECG from Cardio

B6

B6 :57:44 PM Page 2 of 2
Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**
Patient:

ECG from Cardio

B6

B6 1:57:50 PM Page 1 of 2
Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client:
Patient:

B6

ECG from Cardio

B6

B6

1:57:50 PM

Page 2 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**

Patient:

Patient History

B6	11:14 AM	Vitals	B6
	11:14 AM	Vitals	
	11:17 AM	UserForm	
	11:17 AM	Email	
	11:43 AM	Purchase	
	11:43 AM	Purchase	
	12:25 PM	UserForm	
	12:33 PM	Treatment	
	12:43 PM	Vitals	
	12:45 PM	Labwork	
	12:45 PM	Labwork	
	12:54 PM	Vitals	
	12:55 PM	Purchase	
	12:55 PM	Purchase	
	01:07 PM	Purchase	
	01:33 PM	Vitals	
	02:35 PM	Appointment	
	02:39 PM	Treatment	
	02:49 PM	Prescription	
	02:50 PM	Prescription	
	02:50 PM	Prescription	
	02:54 PM	Purchase	
03:05 PM	Treatment		
03:06 PM	Vitals		
03:06 PM	Vitals		
03:08 PM	Vitals		
03:09 PM	UserForm		
03:10 PM	Treatment		
04:11 PM	Vitals		
04:11 PM	Treatment		
06:46 PM	Treatment		
09:29 AM	Appointment		
12:00 PM	UserForm		
12:04 PM	Vitals		

Client: **B6**
Patient:

Patient History

B6	12:20 PM	Treatment	B6
	01:27 PM	UserForm	
	01:53 PM	Purchase	
	01:58 PM	Purchase	
	02:01 PM	Prescription	
	02:39 PM	Appointment	
	02:44 PM	Appointment	chem - DCM study

Patient Account History	Description	Qty	price	Extended	Disc	Pmt
--------------------------------	--------------------	------------	--------------	-----------------	-------------	------------

Client:
Patient:

B6

Patient Account History	Description	Qty	price	Extended	Disc	Pmt
Saturday, 11:43	B6 Appointment: Emergency Room Visit	1.000				B6

Client: **B6**
Patient: **B6**

Patient Account History	Description	Qty	price	Extended Disc	Pmt
Saturday, B6 11:43	Oxygen therapy (0 To 6 hrs)	1.000		B6	

Report Details - EON-390090

ICSR:	2068035
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-06-10 16:08:32 EDT
Initial Report Date:	05/28/2019
Parent ICSR:	2067506
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	Patient presented to rDVM 5/17/2019 for evaluation of a cough x 1 month, extreme lethargy and decreased appetite. rDVM suspected CHF based on radiographs and worsening murmur - now a 4/6. A new arrhythmia was also discovered on ECG. Intermittent sinus rhythm with frequent APCs, occasional paroxysmal SVTs (short duration), isolated and couplet VPCs (LV and RV in origin). Confirmed patient was in left sided heart failure w/ advanced DMVD and decreased contractile function which is very uncommon with valvular disease.
	Date Problem Started:	05/17/2019
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	Previously diagnosed (Jan 2019) with with a 1-2/6 heart murmur - asymptomatic, rDVM rec rechecking in 1 year.
	Outcome to Date:	Better/Improved/Recovering

Product Information:	Product Name:	Bil Jac Picky No More® Small Breed Persnickety Recipe w/ chicken liver
	Product Type:	Pet Food
	Lot Number:	
	Package Type:	BAG
	Product Use Information:	
	Manufacturer /Distributor Information:	
	Purchase Location Information:	

Animal Information:	Name:					
	Type Of Species:	Dog				
	Type Of Breed:	Spaniel - Cocker American				
	Gender:	Female				
	Reproductive Status:	Neutered				
	Weight:	14 Kilogram				
	Age:	B6 ears				
	Assessment of Prior Health:	Excellent				
	Number of Animals Given the Product:	1				
	Number of Animals Reacted:	1				
Owner Information:	Owner Information provided:	Yes				
	Contact:	<table border="1"> <tr> <td>Name:</td> <td>B6</td> </tr> <tr> <td>Phone:</td> <td></td> </tr> </table>	Name:	B6	Phone:	
	Name:	B6				
Phone:						
Address:	B6					

		B6 United States
Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine
	Contact:	Name: B6
		Phone:
		Email:
	Address:	200 Westboro Road North Grafton Massachusetts 01536 United States
Healthcare Professional Information:	Practice Name:	Tufts University Cummings School of Veterinary Medicine
	Contact:	Name: Lisa Freeman
		Phone: 508 887 4696
	Type of Veterinarian:	Referred veterinarian
	Permission to Release Records to FDA:	Yes
Sender Information:	Name:	B6
	Address:	200 Westboro Road North Grafton Massachusetts 01536 United States
	Contact:	Phone: B6
		Email: B6
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
	Reported to Other Parties:	None
Additional Documents:	Attachment:	Chem 21 6-7-2019.pdf
	Description:	Lab work
	Type:	Laboratory Report
	Attachment:	troponin 5-30-2019.pdf
	Description:	Lab work
	Type:	Laboratory Report
	Attachment:	Diet Hx 6-7-2019.pdf
	Description:	Diet history form
	Type:	Medical Records

Report Details - EON-383507

ICSR:	2064779
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-27 14:24:05 EDT
Reporter is the Animal Owner:	Yes

Reported Problem:	Problem Description:	B6 has been on grain free (Origen Original) dog food for her entire life. We decided to change our dog food at the end of January 2019 to Purina Pro Plan after hearing of so many dogs being found to have Dilated Cardiomyopathy, due to grain free foods. On March 1st she went in for her regular physical appt., the vet noticed that she had a grade 1 murmur. on March 7th our vet did a chest X-ray and noticed that her heart was enlarged. May 17th we had a Echocardiogram done. The Cardiologist said she had Moderate to severe Left Ventricular enlargement. A whole blood taurine level was pulled on the same day (results are pending) if levels are low we will supplement with taurine. We will re-echo in 6 months time to see if the issue has resolved.
	Date Problem Started:	03/01/2019
	Concurrent Medical Problem:	No
	Outcome to Date:	Unknown

Product Information:	Product Name:	Origen Original	
	Product Type:	Pet Food	
	Lot Number:		
	UPC:	no longer have	
	Package Type:	BAG	
	Package Size:	25 Pound	
	Purchase Date:	11/01/2018	
	Number Purchased:	3	
	Possess Unopened Product:	No	
	Possess Opened Product:	No	
	Storage Conditions:	Food was left in the original bag and sealed with a bag clip.	
	Product Use Information:	Description:	Food was given. 2 times daily with water added
		First Exposure Date:	01/25/2019
		Last Exposure Date:	02/01/2019
Time Interval between Product Use and Adverse Event:		3 Years	
Product Use Stopped After the Onset of the Adverse Event:		Yes	
Adverse Event Abate After Product Stop:		Not Applicable	
Product Use Started Again:		No	
Perceived Relatedness to	Probably related		

		Adverse Event:	
		Other Foods or Products Given to the Animal During This Time Period:	Unknown
	Manufacturer /Distributor Information:		
	Purchase Location Information:	Name:	B6
		Address:	B6 United States
Animal Information:	Name:	B6	
	Type Of Species:	Dog	
	Type Of Breed:	Retriever - Golden	
	Gender:	Female	
	Reproductive Status:	Intact	
	Pregnancy Status:	Not Pregnant	
	Lactation Status:	Not lactating	
	Weight:	63 Pound	
	Age:	3 Years	
	Assessment of Prior Health:	Excellent	
	Number of Animals Given the Product:	3	
	Number of Animals Reacted:	1	
	Owner Information:		
	Healthcare Professional Information:		
Sender Information:	Name:	B6	
	Address:	B6 United States	
	Contact:	Phone:	B6
		Email:	B6
	Permission To Contact Sender:	Yes	
	Preferred Method Of Contact:	Email	
	Reported to Other Parties:	None	
Additional Documents:			

Client:

B6

Address:

All Medical Records

Patient:

B6

Breed: Golden Retriever

DOB:

B6

Species: Canine

Sex: Male

(Neutered)

Home Phone:

B6

Work Phone:

Cell Phone:

B6

Referring Information

B6

Client:

B6

Patient:

Initial Complaint:

Scanned Record

Initial Complaint:

New - **B6** - DCM study

SOAP Text Nov 7 2018 12:08PM -

B6

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
Patient: **B6**

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
North Grafton, MA 01536
(508) 839-5395

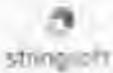
Client: **B6**
Veterinarian:
Patient ID: **B6**
Visit ID:

Patient:	B6
Species:	Canine
Breed:	Golden Retriever
Sex:	Male (Neutered)
Age:	B6 Years Old

Lab Results Report

11/7/2018 1:29:30 PM Accession ID: **B6**

Test	Results	Reference Range	Units
Troponin I Research - FHSA	B6	0 - 0.08	mg/dl



3/22

B6

B6

Printed Friday, November 09, 2018

Client:
Patient:

B6

RDVM

B6

records

B6

Page 4 of 8

Client:
Patient:

B6

RDVM

B6

records

B6

10/2/19

Page 5 of 8

Client:
Patient:

B6

RDVM

B6

records

B6

Page 6 of 8

Client:
Patient:

B6

RDVM

B6

records

B6

Page 4 of 8

Client:
Patient:

B6

RDVM

B6

records

B6

Page 8 of 8

Client:
Patient:

B6

RDVM

B6

records

B6

Page 1 of 8

Client:
Patient:

B6

RDVM

B6

records

B6

Page 4 of 8

Client: **B6**
Patient:

RDVM: **B6** records

FECAL ANALYSIS: (In House)

B6

Technician

B6

B6

FOCUSPOINT

Appearance

Normal Loose Liquid
Mucous Blood Color:

Fecal Centrifugation

Negative Positive

Direct Smear

Negative Positive

Parasites

Trichostrongylus Coccidia
Hookworms Giardia
Whipworm Coccidia
Tapeworm Other

* Zoonotic- transmissible to humans and other animals

Unusable Sample

Why?

Comments:

Client: **B6**
Patient: **B6**

RDVM **B6** records

FECAL ANALYSIS: (In House)

Method used:

Technician:

B6

B6

10/11/2016

Appearance:

Normal Loose Diarr
Mucous Blood Color

Fecal Centrifugation:

Negative Positive

Direct Smear:

Negative Positive

Parasites:

Trichostrongylus Coccidia
Heterophyid Giardia
Whipworm Coccidia
Tapeworm Other

* Zoonotic - transmissible to humans and other animals.

Unusable Sample

Why?

Comments:

Client:
Patient:

B6

RDVM

B6

records

B6

Page 13 of 18

Client: **B6**
Patient: **B6**

RDVM **B6** records

FECAL ANALYSIS: (In House)

B6

Technician

B6

B6

Appearance: Normal Loose Liquid
Mucous Blood Colorful

Fecal Centrifugation: Negative Positive

Direct Smear: Negative Positive

Parasites: Tricostema Coccidia
Microsporida Giardia
Whipworm Coccidia
Tapeworm Other

* Zoonotic - transmissible to humans and other animals.

Unusable Sample Why?

Comments:

Client: **B6**
Patient:

IDEXX BNP - 11/8/2018

B6

Client: **B6**
 Patient: **B6**

CBC/Chem - 11/7/2018



Tufts Cummings School Of Veterinary Medicine
 300 Waltham Road
 South Oyster, MA 01118

DUPLICATE

Name DOB Patient ID Phone number Collection Date Approval Date	B6	Number Location Sample ID	B6 B6
--	-----------	---------------------------------	------------------------

CBC (Research) (Advia)

TEST	Ref. Range/Units
WBC (ADVIA)	4.45-13.10 K/uL
RBC (ADVIA)	1.80-8.30 M/uL
Hemoglobin (ADVIA)	13.3-20.7 g/dL
Hematocrit (ADVIA)	39-53 %
MCV (ADVIA)	84.3-77.5 fL
MCH (ADVIA)	21.3-25.0 pg
MCHC (ADVIA)	31.0-34.3 g/dL
RDW (ADVIA)	11.9-15.2
Comment (Hematology)	WBC: 100x 500 (normal range of 200,000-200,000/uL)

Microscopic Exam of Blood Smear (Advia)

TEST	Ref. Range/Units
Seg Neut (%)	43-66 %
Lymphocyte (%)	7-47 %
Monocyte (%)	1-11 %
Eosinophil (%)	0-15 %
Seg Neutrophils (Adv)	2,000-11,000 K/uL
Admix	
Lymph (Adv) Admix	1,000-4,000 K/uL
Mon (Adv) Admix	0-100-1,500 K/uL
Eosinophil (Adv) Admix	0-200-1,000 K/uL
WBC Morphology	Pathologic Alterations
Eosinophils	

Research Chemistry Profile - Small Animal (Cobas)

TEST	Ref. Range/Units
GLUCOSE	67-117 mg/dL
UREA	6-30 mg/dL
CREATININE	0.2-2 mg/dL
PHOSPHORUS	2.6-7.2 mg/dL
CALCIUM T	9.4-11.3 mg/dL
MAGNESIUM T	1.8-2.8 mg/dL
TOTAL BILIRUBIN	0.5-1.8 g/dL
ALBUMIN	2.8-4.0 g/dL
GLOBULIN	2.3-4.2 g/dL
ALT (ALT)	0-71 U
AST (AST)	140-400 uIU/L
AMYLASE	100-110 uIU/L
TRIGLYCERIDES	13-64 mg/dL
ALP (ALP)	0-29 U
NA T	130-160
TOTAL BILIRUBIN	0.20-0.50 mg/dL

Sample ID: 1811010213
 Discrepancy: (None)

Reviewed by: _____

Client: **B6**
Patient:

CBC/Chem - 11/7/2018



Tufts Cummings School Of Veterinary Medicine
300 Waverston Road
North Grafton, MA 01133

DUPLICATE

Name DOB Patient ID Phone number Collection Date Approval Date	B6	Provider Order Location Sample ID	B6 MEDVET Building Food & Equine Study B6
--	-----------	---	---

Research Chemistry Profile - Small Animal (Cobas) (cont'd)

TEST	Result	Ref. Range/Units
ALASGOTO		0.00-0.10 mg/dL
Bilirubin		0.00-0.20 mg/dL
Alkaline Phosphatase		10-127 U/L
GGT		0-10 U/L
ALT		14-40 U/L
AST		0-24 U/L
Creatinine		0.1-0.22 U/L
Creatinine		0.1-0.22 mg/dL
Triglycerides		10-300 mg/dL
Urea Nitrogen		0.00-0.20 U/L
Urea Nitrogen		0.00-0.20 mmol/L

Sample ID: **B6**
REPORT: Orig. printout on 11/07/2018 (final)

Reviewed by: _____
Page 1

Client:
Patient:

B6

Vitals Results

11/7/2018 11:32:13 AM

Weight (kg)

25.9000

Client: **B6**
Patient:

ECG from cardio

B6

B6 1-11-17 10:00 AM Page 5 of 12
Delta Bioscience
1000 University Avenue, Suite 1000
Berkeley, CA 94702

B6

Client: **B6**
Patient:

ECG from cardio

B6

B6

11-01-17 10:00 AM Page 2 of 2
Tara Sweeney
North Carolina School of the Deaf
10700000

B6

Client:
Patient:

B6

ECG from cardio

B6

B6

11-01-00 00
Data Summary
This package consists of the following
contents

B6

Client: **B6**
Patient: **B6**

Patient History

B6	10:46 AM	Appointment	B6
	12:36 PM	Appointment	
	10:07 AM	UserForm	
	10:48 AM	UserForm	
	10:53 AM	Treatment	
	11:32 AM	Vitals	
	12:08 PM	Purchase	
	12:18 PM	UserForm	
	01:29 PM	Labwork	
	01:30 PM	Purchase	
	01:30 PM	Purchase	
	01:30 PM	Purchase	

Report Details - EON-383627

ICSR:	2064872
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-28 16:47:21 EDT
Initial Report Date:	11/09/2018
Parent ICSR:	2058685
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	DCM and arrhythmias diagnosed at time of B6 surgery so unclear if sepsis/post-op or true DCM. Had recheck echocardiogram B6 but still has DCM. Taurine pending. Owner has changed diet to Royal Canin Boxer
	Date Problem Started:	B6
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	B6
	Outcome to Date:	Stable

Product Information:	Product Name:	Rachel Ray peak open range recipe (beef, venison, lamb)
	Product Type:	Pet Food
	Lot Number:	
	Package Type:	BAG
	Product Use Information:	Description: Rachael Ray's since about 2017- prior to that it has been Purina One chicken and rice. The Rachael Ray that I fed him was "PEAK- open range receipt some with chicken some with lamb or beef. The dry was served with one half a can of newman's organic chicken and brown rice. I also cooked chicken breasts and rice as well as hamburger and rice every other week and used cup of this instead of the canned food. Mixed it in with the dry food. I have as of last Thursday switched him to Royal Canin dry food for Boxers with 1/2 can of science diet healthy cusine-roasted chicken, carrots and spinach stew mixed with about two cups of this dry food.
	Manufacturer /Distributor Information:	
	Purchase Location Information:	

Animal Information:	Name:	B6
	Type Of Species:	Dog
	Type Of Breed:	Boxer (German Boxer)
	Gender:	Male
	Reproductive Status:	Intact
	Weight:	34.8 Kilogram
	Age:	8.4 Years
	Assessment of Prior Health:	Good
	Number of Animals Given the Product:	1
	Number of Animals Reacted:	1
Owner Information:	Owner Information	Yes

		<p>provided:</p> <p>Contact: Name: B6</p> <p>Phone: B6</p> <p>Email: B6</p> <p>Address: B6</p> <p>United States</p>
	Healthcare Professional Information:	<p>Practice Name: Tufts Cummings School of Veterinary Medicine</p> <p>Contact: Name: Lisa Freeman</p> <p>Phone: (508) 887-4523</p> <p>Email: lisa.freeman@tufts.edu</p> <p>Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States</p>
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	Diet Hx 3-27-19.pdf
	Description:	Diet History 3/27/19
	Type:	Medical Records
	Attachment:	Med rec 3.pdf
	Description:	Medical record
	Type:	Medical Records
	Attachment:	Med rec 1.pdf
	Description:	Medical record
	Type:	Medical Records
	Attachment:	Med rec 2.pdf
	Description:	Medical record
	Type:	Medical Records
	Attachment:	BNP 3-28-19.pdf
	Description:	BNP
	Type:	Medical Records

From: Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>
To: Carey, Lauren; Ceric, Olgica; Glover, Mark; Jones, Jennifer L; Nemser, Sarah; Palmer, Lee Anne; Peloquin, Sarah; Queen, Jackie L; Rotstein, David
Sent: 4/2/2019 5:38:47 PM
Subject: DCM 4/2/2019 1330
Attachments: ACANA - Heritage Red Meat Formula Dog Food (Grain-free): B6 - EON-383914; Canidae Dog food: B6 EON-383943; EON-383924 RFR Event: Honest Kitchen

For the canidae, an echocardiogram was recommended 383943; ditto for Honest Kitchen (same submitter)

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; [REDACTED] B6
Sent: 4/1/2019 9:48:46 PM
Subject: ACANA - Heritage Red Meat Formula Dog Food (Grain-free) [REDACTED] B6
EON-383914
Attachments: 2065085-report.pdf; 2065085-attachments.zip

A PFR Report has been received and PFR Event [EON-383914] has been created in the EON System.

A "PDF" report by name "2065085-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2065085-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-383914

ICSR #: 2065085

EON Title: PFR Event created for ACANA - Heritage Red Meat Formula Dog Food (Grain-free); 2065085

AE Date	03/15/2019	Number Fed/Exposed	2
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Shepherd Dog - German		
Age	11.5 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2065085

Product Group: Pet Food

Product Name: ACANA - Heritage Red Meat Formula Dog Food (Grain-free)

Description: 3/15/2019 - Acute onset of difficulty breathing on walk, increased resp rate, wheezing and short of breath. Diagnosed with DCM and CHF

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 2

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
ACANA - Heritage Red Meat Formula Dog Food (Grain-free)		

Sender information

B6

USA

Owner information

B6

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-383914>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=401042>

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Report Details - EON-383914

ICSR: 2065085
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-04-01 17:42:39 EDT

Reported Problem:
Problem Description: 3/15/2019 - Acute onset of difficulty breathing on walk, increased resp rate, wheezing and short of breath. Diagnosed with DCM and CHF
Date Problem Started: 03/15/2019
Concurrent Medical Problem: No
Outcome to Date: Stable

Product Information:
Product Name: ACANA - Heritage Red Meat Formula Dog Food (Grain-free)
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information:
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name:
Type Of Species: Dog
Type Of Breed: Shepherd Dog - German
Gender: Female
Reproductive Status: Neutered
Weight: 25.9 Kilogram
Age: 11.5 Years
Assessment of Prior Health: Excellent
Number of Animals Given the Product: 2
Number of Animals Reacted: 1

Owner Information:
Owner Information provided: Yes
Contact: Name: B6
 Phone: B6
 Address: B6
 United States

Healthcare Professional Information:
Practice Name: Tufts Cummings School of Veterinary Medicine
Contact: Name: Lisa Freeman
 Phone: (508) 887-4523
 Email: lisa.freeman@tufts.edu
Address: 200 Westboro Road
 North Grafton

			Massachusetts 01536 United States
		Type of Veterinarian:	Referred veterinarian
		Permission to Release Records to FDA:	Yes
Sender Information:	Name:	B6	
	Address:		
		United States	
	Contact:	Phone:	B6
		Email:	
	Permission To Contact Sender:	Yes	
	Preferred Method Of Contact:	Email	
Reported to Other Parties:	None		
Additional Documents:	Attachment:	Medical record 4-1-2019.pdf	
	Description:	Medical records	
	Type:	Medical Records	

From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; [B6]
Sent: 4/2/2019 10:48:24 AM
Subject: Canidae Dog food; [B6] EON-383943
Attachments: 2065103-report.pdf

A PFR Report has been received and PFR Event [EON-383943] has been created in the EON System.

A "PDF" report by name "2065103-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

EON Key: EON-383943

ICSR #: 2065103

EON Title: PFR Event created for Canidae Dog food Bison flavor grain-free; 2065103

AE Date	03/29/2019	Number Fed/Exposed	
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Unknown
Breed	Bichon Frise		
Age	6.5 Months		
District Involved	PFR-[B6] DO		

Product information

Individual Case Safety Report Number: 2065103

Product Group: Pet Food

Product Name: Canidae Dog food, Bison flavor, grain-free:

Description: Originally reported as RFR EON-383923. CVM resubmitting as PFR. Our canine patient, [B6] a 6 and 1/2 month old neutered male Bichon Frise Mix, has been eating Canidae Bison grain-free diet long term. The dog's Cardiopet was tested on 3-29-2019 and found to be elevated: value of [B6] at idexx reference laboratory. The owner was advised to take dog to a cardiologist next for consultation and echocardiogram. [B6].

[B6]

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Unknown

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Canidae Dog food, Bison flavor, grain-free:		

Sender information

B6

USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-383943>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=401071>

=====
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Report Details - EON-383943

ICSR: 2065103
Type Of Submission: Initial
Report Version: FPSR.FDA.PETF.V.V1
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type: Voluntary
Report Submission Date: 2019-04-02 06:38:41 EDT

Reported Problem:
Problem Description: Originally reported as RFR EON-383923. CVM resubmitting as PFR. Our canine patient, [B6], a 6 and 1/2 month old neutered male Bichon Frise Mix, has been eating Canidae Bison grain-free diet long term. The dog's Cardiopet was tested on 3-29-2019 and found to be elevated: value of [B6] at idexx reference laboratory. The owner was advised to take dog to a cardiologist next for consultation and echocardiogram. [B6]
[B6]
Date Problem Started: 03/29/2019
Outcome to Date: Unknown

Product Information:
Product Name: Canidae Dog food, Bison flavor, grain-free:
Product Type: Pet Food
Lot Number:
Possess Unopened Product: Unknown
Possess Opened Product: Unknown
Product Use Information:
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: [B6]
Type Of Species: Dog
Type Of Breed: Bichon Frise
Gender: Male
Reproductive Status: Neutered
Age: 6.5 Months
Assessment of Prior Health: Unknown
Number of Animals Reacted: 1
Owner Information: Owner Information provided: No
Healthcare Professional Information:

Sender Information:
Name: [B6]
Address: [B6]
United States
Contact: Phone: [B6] Email: [B6]
Reporter Wants to No

	Remain Anonymous:	
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
	Reported to Other Parties:	Unknown

Additional Documents:

From: RFR Event <rfriventcreation@fda.hhs.gov>

To: Cleary, Michael *; FDA Emergency Operations; orahqreportablefoodnotificationtriagegroup@fda.hhs.gov [B6]; ORA OSPOP ENFORCEMENT Recall Operations Branch; Palmer, Lee Anne; ORA HAF WEST5 Reportable Food Notification; CFSAN Reportable Food Registry [B6]

Sent: 4/2/2019 12:28:32 AM

Subject: EON-383924 RFR Event: Honest Kitchen

A RFR Report has been received and RFR Event [EON-383924] has been created in the EON System under ICSR # 2065093.

Reason this food is reportable: Other
Please describe Other: Cardiac disease risks of grain free diets
Health Hazard Category for Other: Biological
Product Name: Honest Kitchen, chicken grain free diet

Type of Site:	Sender	Food Facility Site
FDA Districts Impacted:	LOS	LOS
Organization Name:	B6	Honest Kitchen
Address:		111 14th Street San Diego, CA 92101 United States

Discovery Date: 2019-03-26

Product Group: Human Food

Description: Our canine patient [B6] a 3 year old spayed female mixed breed dog, has been eating Honest Kitchen grain free chicken based diet exclusively for at least the last 2 years. The dog's Cardiopet was tested on 3-26-2019 and found to be elevated: value of [B6] at idexx reference laboratory. The owner was advised to take dog to a cardiologist next for consultation and echocardiogram. [B6]

[B6]

Product Recall: No

Human Symptoms Present: No

Animal Symptoms Present: Yes

Animal Symptoms Description: Our canine patient [B6] a 3 year old spayed female mixed breed dog, has been eating Honest Kitchen grain free chicken based diet exclusively for at least the last 2 years. The dog's Cardiopet was tested on 3-26-2019 and found to be elevated: value of [B6] at idexx reference laboratory. The owner was advised to take dog to a cardiologist next for consultation and echocardiogram. [B6]

[B6]

Product Distribution Type: Retail

Root Cause: Unknown

Discovery Code: Self discovery

Submission Type: Initial

Reporting Type: Voluntary

EON Key: EON-383924

EON Title: RFR Event created for Honest Kitchen chicken grain free diet; 2065093

To view this RFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-383924>

To view the RFR Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=9&issueId=401052>

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From: Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>
To: Carey, Lauren; Ceric, Olgica; Glover, Mark; Jones, Jennifer L; Nemser, Sarah; Palmer, Lee Anne; Peloquin, Sarah; Queen, Jackie L
CC: Rotstein, David
Sent: 8/22/2018 10:53:16 AM
Subject: DCM Cases 8/22/2018 7:45 AM
Attachments: Acana Free Run Poultry dry: Lisa Freeman - EON-362878; ACANA Grain Free Chicken: **B6** **B6** - EON-362883; ACANA singles:-Pork and Squash -Lamb and Apple: **B6** - EON-362958; Fromm 4-Star Lamb & Lentil Recipe Dog Food: **B6** - EON-362992; Natural Balance Salmon and Chick Pea-Natural Balance Chicken and chick pea-Both are grain free.: **B6** - EON-362996; Wellness Core Ocean: **B6** - EON-362997; Zignature Kangaroo Formula - EON-362940; Zignature Kangaroo Grain Free Formula: **B6** **B6** EON-362973

EON-362997(2054051)-wellness core- serial Tau testing
Eon-362996(2054050)-Natural Balance-Tau; attachments included
EON-362992(2054045)-Fromm Lentil and Lamb-low Tau
EON-362973(2054024)-Zignature, NCSU case
EON-362958(2054015)-Acana, NCSU case
EON-362883(2053978)-Acana, NCSU case—this was submitted as a RFR and Lauren re-entered it
EON-362878(2053969)-Acana, Tufts

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; B6
Sent: 8/24/2018 10:20:31 PM
Subject: Petcurean Limited Ingredient Salmon Dry: Lisa Freeman - EON-363365
Attachments: 2054221-report.pdf; 2054221-attachments.zip

A PFR Report has been received and PFR Event [EON-363365] has been created in the EON System.

A "PDF" report by name "2054221-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2054221-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-363365

ICSR #: 2054221

EON Title: PFR Event created for Petcurean Limited Ingredient Salmon Dry, Petcurean Now Fresh; 2054221

AE Date	06/19/2017	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Better/Improved/Recovering
Breed	Boxer (German Boxer)		
Age	2 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2054221

Product Group: Pet Food

Product Name: Petcurean Limited Ingredient Salmon Dry, Petcurean Now Fresh

Description: Previously healthy dog. Eating Petcurean Go Limited ingredient dry primarily. Also, some Petcurean Now Fresh, Stella and Chewy Raw patties, lean treats, Wellness Core treats. Had been on Petcurean Now Fresh lg breed puppy initially. See nutrition consultation for full diet history. Dilated cardiomyopathy diagnosed with low taurine level. DCM reversed after diet change and taurine and carnitine supplementation.

Note: maxed out on attachments - will send more by email. Also, I am submitting this report in collaboration with B6 I will submit a small sample of dog's food when I ship other food samples on 8/27/18

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Better/Improved/Recovering

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Petcurean Now Fresh		
Petcurean Limited Ingredient Salmon Dry		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6
USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-363365>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=380099>

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Report Details - EON-363365			
ICSR:	2054221		
Type Of Submission:	Initial		
Report Version:	FPSR.FDA.PETF.V.V1		
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)		
Reporting Type:	Voluntary		
Report Submission Date:	2018-08-24 18:09:51 EDT		
Reported Problem:	Problem Description: Previously healthy dog. Eating Petcurean Go Limited ingredient dry primarily. Also, some Petcurean Now Fresh, Stella and Chewy Raw patties, lean treats, Wellness Core treats. Had been on Petcurean Now Fresh lg breed puppy initially. See nutrition consultation for full diet history. Dilated cardiomyopathy diagnosed with low taurine level. DCM reversed after diet change and taurine and carnitine supplementation. Note: maxed out on attachments - will send more by email. Also, I am submitting this report in collaboration with B6 I will submit a small sample of dog's food when I ship other food samples on 8/27/18		
	Date Problem Started: 06/19/2017		
	Concurrent Medical Problem: No		
	Outcome to Date: Better/Improved/Recovering		
Product Information:	Product Name: Petcurean Now Fresh		
	Product Type: Pet Food		
	Lot Number:		
	Package Type: BAG		
	Product Use Information:		
	Manufacturer /Distributor Information:		
	Purchase Location Information:		
	Product Name: Petcurean Limited Ingredient Salmon Dry		
	Product Type: Pet Food		
	Lot Number:		
	Package Type: BAG		
	Product Use Information: <table border="1"> <tr> <td>Description:</td> <td>Fed daily</td> </tr> </table>	Description:	Fed daily
	Description:	Fed daily	
	Manufacturer /Distributor Information:		
Purchase Location Information:			
Animal Information:	Name: B6		
	Type Of Species: Dog		
	Type Of Breed: Boxer (German Boxer)		
	Gender: Male		
	Reproductive Status: Neutered		
	Weight: 31.5 Kilogram		
	Age: 2 Years		
	Assessment of Prior Health: Excellent		
	Number of Animals Given the Product: 1		
	Number of Animals Reacted: 1		
	Owner Information: <table border="1"> <tr> <td>Owner Information</td> <td>Yes</td> </tr> </table>	Owner Information	Yes
Owner Information	Yes		

		provided:						
		<table border="1"> <tr> <td>Contact: Name:</td> <td>B6</td> </tr> <tr> <td>Phone:</td> <td></td> </tr> <tr> <td>Email:</td> <td></td> </tr> </table>	Contact: Name:	B6	Phone:		Email:	
Contact: Name:	B6							
Phone:								
Email:								
		<table border="1"> <tr> <td>Address:</td> <td>B6</td> </tr> <tr> <td></td> <td>United States</td> </tr> </table>	Address:	B6		United States		
Address:	B6							
	United States							
Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine						
	Contact: Name:	Lisa Freeman						
	Phone:	(508) 887-4523						
	Email:	lisa.freeman@tufts.edu						
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States						
	Practice Name:	B6						
Sender Information:	Contact: Name:	B6						
	Phone:							
	Type of Veterinarian:	Referred veterinarian						
	Permission to Release Records to FDA:	Yes						
Additional Documents:	Attachment:	B6 echo B6 .pdf						
	Description:	Echo B6						
	Type:	Echocardiogram						
	Attachment:	B6 rdvm records.pdf						
	Description:	RDVM records						
	Type:	Medical Records						
Additional Documents:	Attachment:	B6 nutrition consultation 7-7-18.pdf						
	Description:	Nutrition consultation						
	Type:	Other						
	Attachment:	B6 echo B6 .pdf						
	Description:	Echo B6						
	Type:	Echocardiogram						
Additional Documents:	Attachment:	B6 diet hx form.pdf						

Description: Diet history

Type: Other

From: Rotstein, David </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0a3b17ebfcf14a6cb8e94f322906badd-DRotstei>
To: Carey, Lauren; Ceric, Olgica; Glover, Mark; Jones, Jennifer L; Nemser, Sarah; Palmer, Lee Anne; Peloquin, Sarah; Queen, Jackie L; Rotstein, David
Sent: 10/9/2018 10:48:25 AM
Subject: DCM cases 10/9/18 0630
Attachments: Acana Heritage formula dog food (mostly freshwater fish: Lisa Freeman - EON-367839; Acana Singles Limited Ingredient Lamb and Apple 25 pound bag: **B6** - EON-367777; Blue Buffalo Wilderness- High Protein Grain Free -Natures Evolutionary Diet- with Chicken Life Source bits- Senior: **B6** - EON-367745; Core Wellness Ocean Formula: **B6** **B6** - EON-367873; Fromm Four Star Salmon a la Veg dog food: **B6** - EON-367810; Pro Plan Savory dry - chicken: Lisa Freeman - EON-367850; Rawz meal free dry food limited recipe wild salmon dry: Lisa Freeman - EON-367845; Taste of the Wild High Forest dry: Lisa Freeman - EON-367841; Taste of the Wild Pacific Stream (dry): Lisa Freeman - EON-367849

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; B6
Sent: 10/8/2018 5:44:37 PM
Subject: Acana Heritage formula dog food (mostly freshwater fish: Lisa Freeman - EON-367839
Attachments: 2055788-report.pdf; 2055788-attachments.zip

A PFR Report has been received and PFR Event [EON-367839] has been created in the EON System.

A "PDF" report by name "2055788-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2055788-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-367839

ICSR #: 2055788

EON Title: PFR Event created for Acana Heritage formula dog food (mostly freshwater fish free run poultry and meats (beef pork and lamb) formulas. Also Meadowlands; 2055788

AE Date	10/04/2018	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Great Dane		
Age	B6 years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2055788

Product Group: Pet Food

Product Name: Acana Heritage formula dog food (mostly freshwater fish, free run poultry, and meats (beef, pork, and lamb) formulas. Also, Meadowlands

Description: Murmur identified by RDVM 7/17/18. Asymptomatic. DCM diagnosed 10/4/18. Has been eating Acana diet. Owner is happy to talk to FDA and to provide more info. Taurine levels pending. Details on diet and treats below: I can tell you, for starters, that B6 was put on a Fromm diet from July of 2015 thru about March

of 2016. Since that period, she has been eating only Acana Heritage formula dog food. This contains "0% grain, potato, gluten, meat by-products, and plant protein concentrates" as listed on their label. She has had a variety of flavors from this brand. Primarily, it has been "freshwater fish", "free run poultry", and "meats formula" (beef, pork, and lamb). **B6** has also had multiple bags of Acana "meadowland" which is advertised as poultry, fish, and eggs. I have also discovered that all of her treats have been produced by Acana. One is labeled as macarel and greens, another is poultry and monkfish, and the last is lamb, liver, and tripe. I should be able to get some records from our local pet store as they have a rewards program we are part of and all of our purchases from the last three years are on our account.

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Acana Heritage formula dog food (mostly freshwater fish, free run poultry, and meats (beef, pork, and lamb) formulas. Also, Meadowlands		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6 USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-367839>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=384761>

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Report Details - EON-367839

ICSR: 2055788
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2018-10-08 13:38:04 EDT

Reported Problem:

Problem Description: Murmur identified by RDVM 7/17/18. Asymptomatic. DCM diagnosed 10/4/18. Has been eating Acana diet. Owner is happy to talk to FDA and to provide more info. Taurine levels pending. Details on diet and treats below: I can tell you, for starters, that [B6] was put on a Fromm diet from July of 2015 thru about March of 2016. Since that period, she has been eating only Acana Heritage formula dog food. This contains "0% grain, potato, gluten, meat by-products, and plant protein concentrates" as listed on their label. She has had a variety of flavors from this brand. Primarily, it has been "freshwater fish", "free run poultry", and "meats formula" (beef, pork, and lamb). [B6] has also had multiple bags of Acana "meadowland" which is advertised as poultry, fish, and eggs. I have also discovered that all of her treats have been produced by Acana. One is labeled as macarel and greens, another is poultry and monkfish, and the last is lamb, liver, and tripe. I should be able to get some records from our local pet store as they have a rewards program we are part of and all of our purchases from the last three years are on our account.

Date Problem Started: 10/04/2018

Concurrent Medical Problem: No

Outcome to Date: Stable

Product Information:

Product Name: Acana Heritage formula dog food (mostly freshwater fish, free run poultry, and meats (beef, pork, and lamb) formulas. Also, Meadowlands

Product Type: Pet Food

Lot Number:

Package Type: BAG

Product Use Information: **Description:** Owner can provide more details.

Manufacturer /Distributor Information:

Purchase Location Information:

Animal Information:

Name: [B6]

Type Of Species: Dog

Type Of Breed: Great Dane

Gender: Female

Reproductive Status: Neutered

Weight: 42.2 Kilogram

Age: [B6] ears

Assessment of Prior Health: Excellent

Number of Animals Given the Product: 1

Number of Animals Reacted: 1

Owner Information: **Owner Information provided:** Yes

Contact: **Name:** [B6]
Phone:
Email:

		Address: B6 United States
Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine
	Contact:	Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States

Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email

Additional Documents:	Attachment:	B6 compiled records.pdf
	Description:	B6 compiled medical records
	Type:	Medical Records

From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; B6
Sent: 10/8/2018 7:28:33 PM
Subject: Pro Plan Savory dry - chicken: Lisa Freeman - EON-367850
Attachments: 2055797-report.pdf; 2055797-attachments.zip

A PFR Report has been received and PFR Event [EON-367850] has been created in the EON System.

A "PDF" report by name "2055797-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2055797-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-367850

ICSR #: 2055797

EON Title: PFR Event created for Pro Plan Savory dry - chicken beef or lamb (1 cup TID); 2055797

AE Date	08/24/2018	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Retriever - Labrador		
Age	7 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2055797

Product Group: Pet Food

Product Name: Pro Plan Savory dry - chicken, beef, or lamb (1 cup TID)

Description: Presented to ER on B6 for CHF and DCM (had rads at RDVM for cough). Full echo on 8/28/18. Unlikely to be associated with diet but reporting because he is sometimes fed the lamb formula Pro Plan. Taurine WNL

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Pro Plan Savory dry - chicken, beef, or lamb (1 cup TID)		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6

USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-367850>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=384772>

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Report Details - EON-367850

ICSR: 2055797
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2018-10-08 15:17:24 EDT

Reported Problem:
Problem Description: Presented to ER on [B6] for CHF and DCM (had rads at RDVM for cough). Full echo on 8/28/18. Unlikely to be associated with diet but reporting because he is sometimes fed the lamb formula Pro Plan. Taurine WNL
Date Problem Started: 08/24/2018
Concurrent Medical Problem: Yes
Pre Existing Conditions: [B6]
Outcome to Date: Stable

Product Information:
Product Name: Pro Plan Savory dry - chicken, beef, or lamb (1 cup TID)
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information:
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: [B6]
Type Of Species: Dog
Type Of Breed: Retriever - Labrador
Gender: Male
Reproductive Status: Neutered
Weight: 37.7 Kilogram
Age: 7 Years
Assessment of Prior Health: Good
Number of Animals Given the Product: 1
Number of Animals Reacted: 1
Owner Information: Yes
Owner Information provided:
Contact: Name: [B6]
 Phone: [B6]
 Email: [B6]
Address: [B6]
 United States
Healthcare Professional Information:
Practice Name: Tufts Cummings School of Veterinary Medicine
Contact: Name: Lisa Freeman
 Phone: (508) 887-4523

		Email: lisa.freeman@tufts.edu
		Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523
		Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	compiled medical records [B6] pdf
	Description:	Compiled medical records
	Type:	Medical Records

From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; B6
Sent: 10/8/2018 6:44:41 PM
Subject: Rawz meal free dry food limited recipe wild salmon dry: Lisa Freeman - EON-367845
Attachments: 2055793-report.pdf; 2055793-attachments.zip

A PFR Report has been received and PFR Event [EON-367845] has been created in the EON System.

A "PDF" report by name "2055793-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2055793-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-367845

ICSR #: 2055793

EON Title: PFR Event created for Rawz meal free dry food limited recipe wild salmon dry; 2055793

AE Date	10/04/2018	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Mixed (Dog)		
Age	10 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2055793

Product Group: Pet Food

Product Name: Rawz meal free dry food limited recipe wild salmon dry

Description: DCM and atrial fibrillation diagnosed 10/5/18

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Rawz meal free dry food limited recipe wild salmon dry		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6
USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-367845>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspa?decorator=none&e=0&issueType=12&issueId=384767>

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Report Details - EON-367845

ICSR: 2055793
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2018-10-08 14:34:26 EDT

Reported Problem:
Problem Description: DCM and atrial fibrillation diagnosed 10/5/18
Date Problem Started: 10/04/2018
Concurrent Medical Problem: Yes
Pre Existing Conditions: B6
Outcome to Date: Stable

Product Information:
Product Name: Rawz meal free dry food limited recipe wild salmon dry
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information:
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: B6
Type Of Species: Dog
Type Of Breed: Mixed (Dog)
Gender: Male
Reproductive Status: Neutered
Weight: 33.2 Kilogram
Age: 10 Years
Assessment of Prior Health: Excellent
Number of Animals Given the Product: 1
Number of Animals Reacted: 1
Owner Information: Owner Information provided: Yes
Contact: Name: B6
 Phone: B6
 Email: B6
Address: B6
 United States
Healthcare Professional Information:
Practice Name: Tufts Cummings School of Veterinary Medicine
Contact: Name: Lisa Freeman
 Phone: (508) 887-4523
 Email: lisa.freeman@tufts.edu
Address: 200 Westboro Rd

North Grafton
Massachusetts
01536
United States

Sender Information:

Name:	Lisa Freeman
Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
Permission To Contact Sender:	Yes
Preferred Method Of Contact:	Email

Additional Documents:

Attachment:	B6 compiled records B6 pdf
Description:	Compiled records
Type:	Medical Records

From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; [B6]
Sent: 10/8/2018 6:20:46 PM
Subject: Taste of the Wild High Forest dry: Lisa Freeman - EON-367841
Attachments: 2055791-report.pdf; 2055791-attachments.zip

A PFR Report has been received and PFR Event [EON-367841] has been created in the EON System.

A "PDF" report by name "2055791-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2055791-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-367841

ICSR #: 2055791

EON Title: PFR Event created for Taste of the Wild High Forest dry; 2055791

AE Date	01/25/2018	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Mixed (Dog)		
Age	[B6] Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2055791

Product Group: Pet Food

Product Name: Taste of the Wild High Forest dry

Description: Feeding Taste of the Wild High Prairie Grain Free (Pine Forest before that). Diagnosed with DCM and CHF this past winter. Owner willing to provide additional information. Our records do not include echo from [B6] from Feb, 2018. They also ran taurine at UCD which was reported to be normal. I am getting those records from [B6] and will submit as soon as I have them.

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Taste of the Wild High Forest dry		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6
USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon/browse/EON-367841>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon/EventCustomDetailsAction!viewReport.jspa?decorator=none&e=0&issueType=12&issueId=384763>

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Report Details - EON-367841

ICSR: 2055791
Type Of Submission: Initial
Report Version: FPSR.FDA.PETF.V.V1
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type: Voluntary
Report Submission Date: 2018-10-08 14:14:30 EDT

Reported Problem:

Problem Description:	Feeding Taste of the Wild High Prairie Grain Free (Pine Forest before that). Diagnosed with DCM and CHF this past winter. Owner willing to provide additional information. Our records do not include echo from: B6 from Feb, 2018. They also ran taurine at UCD which was reported to be normal. I am getting those records from: B6 and will submit as soon as I have them.
Date Problem Started:	01/25/2018
Concurrent Medical Problem:	No
Outcome to Date:	Stable

Product Information:

Product Name:	Taste of the Wild High Forest dry	
Product Type:	Pet Food	
Lot Number:		
Package Type:	BAG	
Product Use Information:	Description:	See diet history in medical records. Owner can provide additional info
	First Exposure Date:	12/01/2017
Manufacturer /Distributor Information:		
Purchase Location Information:		

Animal Information:

Name:	B6
Type Of Species:	Dog
Type Of Breed:	Mixed (Dog)
Gender:	Female
Reproductive Status:	Neutered
Weight:	34.1 Kilogram
Age:	B6 Years
Assessment of Prior Health:	Excellent
Number of Animals Given the Product:	1
Number of Animals Reacted:	1
Owner Information:	Owner Information provided: Yes
	Contact:
	Name: B6
	Phone:
	Email:
	Address: B6 United States
Healthcare Professional	

	Information:	Practice Name: Tufts Cummings School of Veterinary Medicine Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States Contact: Phone: 5088874523 Email: lisa.freeman@tufts.edu Permission To Contact Sender: Yes Preferred Method Of Contact: Email
Additional Documents:	Attachment:	B6 compiled medical records.pdf Description: Compiled medical records Type: Medical Records

From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; B6
Sent: 10/8/2018 7:12:54 PM
Subject: Taste of the Wild Pacific Stream (dry): Lisa Freeman - EON-367849
Attachments: 2055795-report.pdf; 2055795-attachments.zip

A PFR Report has been received and PFR Event [EON-367849] has been created in the EON System.

A "PDF" report by name "2055795-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2055795-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-367849

ICSR #: 2055795

EON Title: PFR Event created for Taste of the Wild Pacific Stream (dry); 2055795

AE Date	02/02/2018	Number Fed/Exposed	2
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Stable
Breed	Doberman Pinscher		
Age	B6 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2055795

Product Group: Pet Food

Product Name: Taste of the Wild Pacific Stream (dry)

Description: DCM and CHF diagnosed 2/2/18. Owner did not change diet after diagnosis. Just rechecked echo and no improvement. Taurine levels pending and will echo other dog in household on same diet to screen.

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Stable

Number of Animals Treated With Product: 2

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Taste of the Wild Pacific Stream (dry)		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6
USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-367849>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=384771>

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Report Details - EON-367849

ICSR: 2055795
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2018-10-08 15:05:04 EDT

Reported Problem:
Problem Description: DCM and CHF diagnosed 2/2/18. Owner did not change diet after diagnosis. Just rechecked echo and no improvement. Taurine levels pending and will echo other dog in household on same diet to screen.
Date Problem Started: 02/02/2018
Concurrent Medical Problem: Yes
Pre Existing Conditions: B6
Outcome to Date: Stable

Product Information:
Product Name: Taste of the Wild Pacific Stream (dry)
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information:
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: B6
Type Of Species: Dog
Type Of Breed: Doberman Pinscher
Gender: Female
Reproductive Status: Neutered
Weight: 26.8 Kilogram
Age: B6 Years
Assessment of Prior Health: Excellent
Number of Animals Given the Product: 2
Number of Animals Reacted: 1
Owner Information: Owner Information provided: Yes
Contact: Name: B6
 Phone: B6
 Email: B6
Address: B6
 United States
Healthcare Professional Information: Practice Name: Tufts Cummings School of Veterinary Medicine
 Contact: Name: Lisa Freeman
 Phone: (508) 887-4523

		Email: lisa.freeman@tufts.edu
		Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523
		Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	B6 compiled records smaller.pdf
	Description:	B6 compiled records
	Type:	Medical Records

From: Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>
To: Carey, Lauren; Ceric, Olgica; Glover, Mark; Jones, Jennifer L; Nemser, Sarah; Palmer, Lee Anne; Peloquin, Sarah; Queen, Jackie L; Rotstein, David
Sent: 10/26/2018 12:30:01 PM
Subject: DCM cases 10/26/2018 0827
Attachments: Blue Wilderness: [B6] - EON-369415; Nov 2015-Nov 2017: Nature's Variety Instinct Limited Ingredient Lamb-Nov 2017- Aug 2018: Blue Buffalo Basics Grain Free-Aug 2018-Oct 2018: American Journey Lamb and Sweet Potato: [B6] - EON-369375; taste of the wild grain free pacific stream-taste of the wild prey trout limited ingredients [B6] - EON-369346; Taste of the Wild High Prairie: Lisa Freeman - EON-369325; WELLNESS CORE GRAIN FREE: [B6] - EON-369373

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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From: PFR Event <pfpreventcreation@fda.hhs.gov>
To: Cleary, Michael *; HQ Pet Food Report Notification; B6
Sent: 10/25/2018 11:52:42 AM
Subject: Taste of the Wild High Prairie: Lisa Freeman - EON-369325
Attachments: 2057945-report.pdf; 2057945-attachments.zip

A PFR Report has been received and PFR Event [EON-369325] has been created in the EON System.

A "PDF" report by name "2057945-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2057945-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-369325

ICSR #: 2057945

EON Title: PFR Event created for Taste of the Wild High Prairie; 2057945

AE Date	02/20/2018	Number Fed/Exposed	1
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Died Naturally
Breed	Great Dane		
Age	9 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2057945

Product Group: Pet Food

Product Name: Taste of the Wild High Prairie

Description: DCM, CHF, atrial fibrillation WB taurine = B6 Dog's diet previously submitted to FDA Note: this may be a duplicate submission

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Died Naturally

Number of Animals Treated With Product: 1

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Taste of the Wild High Prairie		

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6

USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-369325>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=386247>

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Report Details - EON-369325		
ICSR:	2057945	
Type Of Submission:	Initial	
Report Version:	FPSR.FDA.PETF.V.V1	
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)	
Reporting Type:	Voluntary	
Report Submission Date:	2018-10-25 07:45:50 EDT	
Reported Problem:	Problem Description: DCM, CHF, atrial fibrillation WB taurine = B6 Dog's diet previously submitted to FDA Note: this may be a duplicate submission	
	Date Problem Started: 02/20/2018	
	Concurrent Medical Problem: No	
	Outcome to Date: Died Naturally	
	Date of Death: B6	
Product Information:	Product Name: Taste of the Wild High Prairie	
	Product Type: Pet Food	
	Lot Number:	
	Package Type: BAG	
	Product Use Information:	
	Manufacturer /Distributor Information:	
	Purchase Location Information:	
Animal Information:	Name: B6	
	Type Of Species: Dog	
	Type Of Breed: Great Dane	
	Gender: Male	
	Reproductive Status: Intact	
	Weight: 74 Kilogram	
	Age: 9 Years	
	Assessment of Prior Health: Excellent	
	Number of Animals Given the Product: 1	
	Number of Animals Reacted: 1	
	Owner Information:	Owner Information provided: Yes
		Contact: Name: B6
		Phone: B6
		Email: B6
Address:	B6	
	United States	
Healthcare Professional Information:	Practice Name: Tufts Cummings School of Veterinary Medicine	
	Contact: Name: Lisa Freeman	
	Phone: (508) 887-4523	
	Email: lisa.freeman@tufts.edu	

		Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	B6 compiled records.pdf
	Description:	Records
	Type:	Medical Records

**DOCUMENT
PRODUCED IN NATIVE**

Report Details - EON-366516

ICSR: 2055229
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2018-09-22 18:33:37 EDT

Reported Problem:
Problem Description: DCM and CHF Probably primary DCM in predisposed breed but given diet history, some possibility of diet-associated DCM Taurine WNL
Date Problem Started: 09/08/2018
Concurrent Medical Problem: No
Outcome to Date: Stable

Product Information:
Product Name: Taste of the Wild Last 1-2 bags (for 2 dogs) before diagnosis were Southwest Canyon flavor Before that, fed 3-4 bags of Pine Forest Before that, had been feeding Pacific Stream for several years
Product Type: Pet Food
Lot Number:
Package Type: BAG
Product Use Information: **Description:** Owner has given consent to have FDA contact her for any additional questions
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: B6
Type Of Species: Dog
Type Of Breed: Doberman Pinscher
Gender: Male
Reproductive Status: Neutered
Weight: 34.2 Kilogram
Age: B6 Years
Assessment of Prior Health: Excellent
Number of Animals Given the Product: 2
Number of Animals Reacted: 1
Owner Information: **Owner Information provided:** Yes
Contact: **Name:** B6
Phone: B6
Email: B6
Address: B6
 United States
Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine
Contact: **Name:** Lisa Freeman
Phone: (508) 887-4523

		Email: lisa.freeman@tufts.edu
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States

Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email

Additional Documents:	Attachment:	discharge 9-20-18.pdf
	Description:	Discharge 9-20-18
	Type:	Medical Records
	Attachment:	bnp.pdf
	Description:	BNP
	Type:	Laboratory Report
	Attachment:	cardio appointment 9-20-18.pdf
	Description:	Cardio appt 9-20-18
	Type:	Echocardiogram
	Attachment:	cardio consult 9-8-18.pdf
	Description:	cardio consult 9-8-18
	Type:	Echocardiogram
	Attachment:	discharge 9-9-18.pdf
	Description:	Discharge 9-9-18
	Type:	Medical Records

Report Details - EON-376448

ICSR: 2061217
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-01-15 15:57:50 EST

Reported Problem:
Problem Description: Eating BEG diet Syncopal episodes - identified arrhythmia recently Owner changing diet and will recheck in 3 months Elevated BNP: **B6** taurine and troponin pending 2 other dogs in household eating same diet - they have not been screened yet
Date Problem Started: 01/03/2019
Concurrent Medical Problem: Yes
Pre Existing Conditions: Dental disease, anxiety, history of cruciate tear
Outcome to Date: Stable

Product Information:
Product Name: 4Health salmon and potato adult dog food
Product Type: Pet Food
Lot Number:
Product Use Information: **Description:** Alternates with other product listed
Manufacturer /Distributor Information:
Purchase Location Information:
Product Name: 4Health whitefish and potato dry
Product Type: Pet Food
Lot Number:
Product Use Information: **Description:** Alternates with other listed 4Health product
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: **B6**
Type Of Species: Dog
Type Of Breed: Pit Bull
Gender: Male
Reproductive Status: Neutered
Weight: 33.4 Kilogram
Age: 7.5 Years
Assessment of Prior Health: Excellent
Number of Animals Given the Product: 3
Number of Animals Reacted: 1
Owner Information: **Owner Information provided:** Yes
Contact: **Name:** **B6**
Phone:
Email:

		Address:	<div style="border: 1px dashed black; padding: 5px; display: inline-block;">B6</div> United States
Sender Information:	Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
	Name:	Lisa Freeman	
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	Contact:	Phone: 5088874523	Email: lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes	
	Preferred Method Of Contact:	Email	
Additional Documents:		Attachment:	rpt_medical_record_preview <div style="border: 1px dashed black; padding: 2px;">B6</div> .pdf
		Description:	Records
		Type:	Medical Records

Report Details - EON-376448

ICSR: 2061217
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-01-15 15:57:50 EST

Reported Problem:
Problem Description: Eating BEG diet Syncopal episodes - identified arrhythmia recently Owner changing diet and will recheck in 3 months Elevated BNP **B6** taurine and troponin pending 2 other dogs in household eating same diet - they have not been screened yet
Date Problem Started: 01/03/2019
Concurrent Medical Problem: Yes
Pre Existing Conditions: **B6**
Outcome to Date: Stable

Product Information:
Product Name: 4Health salmon and potato adult dog food
Product Type: Pet Food
Lot Number:
Product Use Information: **Description:** Alternates with other product listed
Manufacturer /Distributor Information:
Purchase Location Information:
Product Name: 4Health whitefish and potato dry
Product Type: Pet Food
Lot Number:
Product Use Information: **Description:** Alternates with other listed 4Health product
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: **B6**
Type Of Species: Dog
Type Of Breed: Pit Bull
Gender: Male
Reproductive Status: Neutered
Weight: 33.4 Kilogram
Age: 7.5 Years
Assessment of Prior Health: Excellent
Number of Animals Given the Product: 3
Number of Animals Reacted: 1
Owner Information: **Owner Information provided:** Yes
Contact: **Name:** **B6**
Phone:
Email:

		Address:	<div style="border: 1px dashed black; padding: 5px; display: inline-block;"> B6 </div> United States
Sender Information:	Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Additional Documents:	Name:	Lisa Freeman	
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu	
	Permission To Contact Sender:	Yes	
	Preferred Method Of Contact:	Email	
	Attachment:	rpt_medical_record_preview <div style="border: 1px dashed black; padding: 2px;">B6</div> pdf	
	Description:	Records	
	Type:	Medical Records	

Report Details - EON-383414

ICSR:	2064645
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	B6 4:13:37 EDT
Initial Report Date:	01/15/2019
Parent ICSR:	2061217
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	Eating BEG diet Syncopal episodes - identified arrhythmia recently. Owner changing diet and will recheck in 3 months Elevated BNP B6 taurine and troponin pending 2 other dogs in household eating same diet - they have not been screened yet
	Date Problem Started:	01/03/2019
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	Dental disease, kidney disease, anxiety, history of cruciate tear
	Outcome to Date:	Died Euthanized
	Date of Death:	B6

Product Information:	Product Name:	4Health salmon and potato adult dog food
	Product Type:	Pet Food
	Lot Number:	
	Product Use Information:	Description: Alternates with other product listed
	Manufacturer /Distributor Information:	
	Purchase Location Information:	
	Product Name:	4Health whitefish and potato dry
	Product Type:	Pet Food
	Lot Number:	
	Product Use Information:	Description: Alternates with other listed 4Health product
	Manufacturer /Distributor Information:	
	Purchase Location Information:	

Animal Information:	Name:	B6
	Type Of Species:	Dog
	Type Of Breed:	Pit Bull
	Gender:	Male
	Reproductive Status:	Neutered
	Weight:	33.4 Kilogram
	Age:	7.5 Years
	Assessment of Prior Health:	Good
	Number of Animals Given the Product:	3
	Number of Animals Reacted:	1

	Owner Information:	Owner Information provided: Yes Contact: Name: [Redacted] Phone: [Redacted] Email: [Redacted] Address: [Redacted] United States
	Healthcare Professional Information:	Practice Name: Tufts Cummings School of Veterinary Medicine Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name: Lisa Freeman Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States Contact: Phone: 5088874523 Email: lisa.freeman@tufts.edu Permission To Contact Sender: Yes Preferred Method Of Contact: Email Reported to Other Parties: None	
Additional Documents:	Attachment: Med record 1.pdf Description: Medical record Type: Medical Records Attachment: Med record 4.pdf Description: Medical record Type: Medical Records Attachment: Med record 2.pdf Description: Medical record Type: Medical Records Attachment: Med record 3.pdf Description: Medical record Type: Medical Records	

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 2/24/2019 11:46:47 PM
Subject: [REDACTED] records
Attachments: rpt_medical_record_preview3 small.pdf

Hi Jen
Trying to get caught up. Here are records for [REDACTED] (file too large to be uploaded).
Thanks
Lisa

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

Client:

B6

Address:

B6

All Medical Records

Patient: **B6**

Breed: English Bulldog

DOB: **B6**

Species: Canine

Sex: Female
(Spayed)

Referring Information

B6

Client:

B6

Patient:

Initial Complaint:

Emergency

SOAP Text Jan 15 2019 9:31PM

B6

Subjective

NEW VISIT (ER)

Doctor: **B6**

Student: ---

Presenting complaint: Tachypnea

Referral visit? Yes

Diagnostics completed prior to visit-- radiographs, 2 view thorax, in ER email

HISTORY:

Signalment: 8 yo SF English Bulldog

Current history:

Earlier this afternoon, found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before today. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea. Has recently been doing well at home with no concerns.

Prior medical history: anxiety, otherwise healthy

Current medications: **B6**, had tonight

Diet: Core Wellness, mix of wet and dry, grain free diet

Client: **B6**
Patient:

Vaccination status/flea & tick preventative use: UTD
Travel history: unknown

B6

C/V: no murmur or arrhythmia auscultated, difficult to appreciate over increased lung sounds, femoral pulses strong and synchronous
RESP: increased BVS bilaterally, no crackles or wheezes, panting

B6

ASSESSMENT:

A1: Dyspnea-- open for pneumonia vs CHF vs non cardiogenic pulmonary edema vs other

PLAN:

- Diagnostics:
- AFAST/TFAST
- NOVA
- PCV/TS
- CBC
- Chemistry
- Pro BNP

Treatments:

B6

Diagnostics completed:

B6

Client: **B6**
Patient:

Chemistry

B6

Client communication:

B6

Deposit & estimate status: **B6**

Resuscitation code (if admitting to ICU): **B6**

SOAP approved (DVM to sign): **B6**

SOAP Text Jan 16 2019 8:38AM - **B6**

SIGNALMENT: 8yo FS English Bulldog

PRESENTING COMPLAINT: dyspnea

HISTORY:

Presented on 1/15 after O found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before today. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea. Has recently been doing well at home with no concerns.

Prior medical history: anxiety, otherwise healthy

Current medications: **B6**

Diet: Core Wellness, mix of wet and dry, grain free diet

On presentation, P was dyspneic and tachycardic. rDVM rads unable to be assessed as CHF vs. pneumonia, so placed in O2 on Unasyn overnight with bloodwork pulled for CBC/Chem and nt-proBNP. Minimal improvement overnight with persistent tachycardia, but excellent appetite and good spirits.

B6

C/V: tachycardic with no murmurs or arrhythmias on auscultation. fair pulse quality with pink injected mm and CRT 1sec

RESP: Bilaterally harsh lung sounds with no discernable crackles or wheezes

B6

Client: **B6**
Patient: **B6**

RECTAL: NP

ASSESSMENT:

A1: Dyspnea-- open for pneumonia vs CHF vs non cardiogenic pulmonary edema vs other

PLAN:

B6

Diagnostics completed:

B6

CXR: - Diffuse bronchial and interstitial pulmonary pattern may indicate concurrent chronic lower airway disease (allergic, infectious, or parasitic) and interstitial lung disease. Airway sampling can be considered.
- Mild cardiomegaly and left atrial enlargement without evidence of decompensation. Echocardiography can be considered (to evaluate mitral valve and to evaluate for pulmonary hypertension).
- Multifocal intervertebral disk disease and breed-associated vertebral anomalies.
- Moderate bilateral elbow and right stifle degenerative joint disease.

Cardio Consult: DCM, suspect early CHF **B6**

Diagnostics pending:

BNP
Troponin
Taurine

Deposit & estimate status **B6**

Resuscitation code (if admitting to ICU) **B6**

B6 resident)

SOAP Text **B6** 7:43AM - Clinician, Unassigned FHSA

HISTORY:

B6 is an 8.5 yo FS English Bulldog that presented **B6** for sudden onset dyspnea. O found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea, has been doing well at home with no concerns. Was on Core Wellness dry and wet grain

Client: **B6**
Patient: **B6**

free diet.

On presentation to ER, P was dyspneic and tachycardic. rDVM rads unable to be assessed as CHF vs. pneumonia, so placed in O2 on **B6** overnight with bloodwork pulled for CBC/Chem and nt-proBNP. Minimal improvement overnight on **B6** with persistent tachycardia, but excellent appetite and good spirits. Cardio consult was difficult to assess due to dyspnea and conformation, but showed DCM and suspect CHF.

Overnight, P had normal vitals, with RR 24-36 with no to mild effort in O2 cage. Walked well outside of O2 cage, but at 3:45am after a walk was trembling and anxious in the cage, was given trazodone and calmed after. Excellent appetite this morning. Has received **B6** far since **B6**

Subjective

B6

Objective

B6

H/L: No murmur ausculted although very difficult auscultation due to the constant panting. No obvious arrhythmia either. Jugular pulse bottom 1/3 of the neck. Femoral pulses strong and synchronized with heart beat. Normal BVS bilateral

B6

Diagnostics completed:

B6

- CXR: - Diffuse bronchial and interstitial pulmonary pattern may indicate concurrent chronic lower airway disease (allergic, infectious, or parasitic) and interstitial lung disease. Airway sampling can be considered.
- Mild cardiomegaly and left atrial enlargement without evidence of decompensation. Echocardiography can be considered (to evaluate mitral valve and to evaluate for pulmonary hypertension).
- Multifocal intervertebral disk disease and breed-associated vertebral anomalies.
- Moderate bilateral elbow and right stifle degenerative joint disease.

Cardio Consult: DCM, suspect early CHF **B6**

Diagnostics pending:

BNP

Client: **B6**
Patient: **B6**

Troponin
Taurine

Assessment (A)

A1: Dyspnea- suspect DCM and early CHF vs less likely pneumonia vs neoplasia

Plan (P)

B6

SOAP completed by **B6**
SOAP reviewed by: **B6**

Addendum:

-PCV/TS- **B6**
-Chem- **B6** WNL (BUN: **B6**)
-BNP- **B6**

SOAP Text **B6** 7:28AM - **B6**

HISTORY:

B6 is an 8.5 yo FS English Bulldog that presented on **B6** for sudden onset dyspnea. O found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea, has been doing well at home with no concerns. Was on Core Wellness dry and wet grain free diet.

On presentation to ER, P was dyspneic and tachycardic. rDVM rads unable to be assessed as CHF vs. pneumonia, so placed in O2 on **B6** overnight with bloodwork pulled for CBC/Chem and nt-proBNP. Minimal improvement overnight on **B6** with persistent tachycardia, but excellent appetite and good spirits. Cardio consult was difficult to assess due to dyspnea and conformation, but showed DCM and suspect CHF.

Since yesterday P has been out of oxygen, increased **B6** Overnight, P had normal vitals, with RR 28-32 with no effort, but panting earlier in the night. Walks well outside, and still has excellent appetite.

Subjective

B6

Objective

B6

Client: **B6**
Patient:

B6

Diagnostics completed:

B6

- CXR: - Diffuse bronchial and interstitial pulmonary pattern may indicate concurrent chronic lower airway disease (allergic, infectious, or parasitic) and interstitial lung disease. Airway sampling can be considered.
- Mild cardiomegaly and left atrial enlargement without evidence of decompensation. Echocardiography can be considered (to evaluate mitral valve and to evaluate for pulmonary hypertension).
 - Multifocal intervertebral disk disease and breed-associated vertebral anomalies.
 - Moderate bilateral elbow and right stifle degenerative joint disease.

Cardio Consult: DCM, suspect early CHF **B6**

B6

Diagnostics pending:

Troponin
Taurine

Assessment (A)

A1: DCM and suspect early CHF vs less likely pneumonia

Plan (P)

B6

Client: **B6**
Patient:

SOAP completed by: **B6**
SOAP reviewed by: **B6**

Addendum:

-PCV/TS- **B6**

-Chem- WNL (BUN) **B6**

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
 Patient: **B6**

Cummings
Veterinary Medical Center
 AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
 North Grafton, MA 01536
 (508) 839-5395

Client: **B6**
 Veterinarian:
 Patient ID: **B6**
 Visit ID:

Patient:	B6
Species:	Canine
Breed:	English Bulldog
Sex:	Female (Spayed)
Age:	B6 Years Old

Lab Results Report

CBC, Comprehensive, Sm Animal **B6** 11:21:12 PM **Accession ID: B6**

Test	Results	Reference Range	Units
WBC (ADVIA)	B6	4.4 - 15.1	K/uL
RBC(ADVIA)		5.8 - 8.5	M/uL
HGB(ADVIA)		13.3 - 20.5	g/dL
HCT(ADVIA)		39 - 55	%
MCV(ADVIA)		64.5 - 77.5	fL
MCH(ADVIA)		21.3 - 25.9	pg
MCHC(ADVIA)		31.9 - 34.3	g/dL
RDW (ADVIA)		11.9 - 15.2	
PLT(ADVIA)		173 - 486	K/uL
MPV (ADVIA)		8.29 - 13.2	fL
PLTCRT		0.129 - 0.403	%
RETIC(ADVIA)		0.2 - 1.6	%
RETICS (ABS) ADVIA		14.7 - 113.7	K/uL

CBC, Comprehensive, Sm Animal **B6** 11:21:26 PM **Accession ID: B6**

Test	Results	Reference Range	Units
GLUCOSE	B6	67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
MAGNESIUM 2+		1.8 - 3	mEq/L



10/47

B6

Printed Monday, February 25, 2019

Client: **B6**
 Patient: **B6**

T. PROTEIN	B6	5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L
CHLORIDE		106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
tCO2 (BICARB)		14 - 28	mEq/L
AGAP		8 - 19	
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
GGT		0 - 10	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CK		22 - 422	U/L
CHOLESTEROL		82 - 355	mg/dL
TRIGLYCERIDES		30 - 338	mg/dl
AMYLASE	409 - 1250	U/L	
OSMOLALITY (CALCULATED)	291 - 315	mmol/L	
COMMENTS (CHEMISTRY)	0 - 0		

CBC, Comprehensive, Sm Animal **B6** 11:21:08 PM Accession ID: **B6**

Test	Results	Reference Range	Units
SEGS%	B6	43 - 86	%
LYMPHS%		7 - 47	%
MONOS%		1 - 15	%
SEGS (AB)ADVIA		2.8 - 11.5	K/uL
LYMPHS (ABS)ADVIA		1 - 4.8	K/uL
MONOS (ABS)ADVIA		0.1 - 1.5	K/uL
WBC MORPHOLOGY		0 - 0	
Occasional reactive lymphocytes			
RBC MORPHOLOGY		0 - 0	
POIKILOCYTOSIS		0 - 0	

CBC, Comprehensive, Sm Animal **B6** 11:22:25 PM Accession ID: **B6**

Test	Results	Reference Range	Units
SO2%	B6	94 - 100	%
HCT (POC)		38 - 48	%
HB (POC)		12.6 - 16	g/dL
NA (POC)		140 - 154	mmol/L
K (POC)		3.6 - 4.8	mmol/L

Client: **B6**
 Patient: **B6**

CL(POC)		109 - 120	mmol/L
CA (ionized)		1.17 - 1.38	mmol/L
MG (POC)		0.1 - 0.4	mmol/L
GLUCOSE (POC)		80 - 120	mg/dL
LACTATE		0 - 2	mmol/L
BUN (POC)		12 - 28	mg/dL
CREAT (POC)		0.2 - 2.1	mg/dL
TCO2 (POC)		0 - 0	mmol/L
nCA		0 - 0	mmol/L
nMG		0 - 0	mmol/L
GAP		0 - 0	mmol/L
CA/MG		0 - 0	mol/mol
BEecf		0 - 0	mmol/L
BEb		0 - 0	mmol/L
A		0 - 0	mmHg
NOVA SAMPLE		0 - 0	
FiO2		0 - 0	%
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
PH		7.337 - 7.467	
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
HCO3		18 - 24	mmol/L

B6

CBC, Comprehensive, Sm Animal **B6** 11:28:40 PM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)		0 - 0	g/dl
PCV **	B6	0 - 0	%
TS (FHSA)		0 - 0	g/dl

CBC, Comprehensive, Sm Animal **B6** 1:43:18 PM Accession ID: **B6**

Test	Results	Reference Range	Units
GLUCOSE		67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
T. PROTEIN	B6	5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L



12/47

B6

Printed Monday, February 25, 2019

Client: **B6**
 Patient: **B6**

CHLORIDE	B6	106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CHOLESTEROL		82 - 355	mg/dL
OSMOLALITY (CALCULATED)		291 - 315	mmol/L

CBC, Comprehensive, Sm Animal **B6** 3:44:46 PM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)	B6	0 - 0	g/dl
PCV **		0 - 0	%
TS (FHSA)		0 - 0	g/dl

CBC, Comprehensive, Sm Animal **B6** 9:46:19 AM Accession ID: **B6**

Test	Results	Reference Range	Units
GLUCOSE	B6	67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
T. PROTEIN		5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L
CHLORIDE		106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CHOLESTEROL		82 - 355	mg/dL
OSMOLALITY (CALCULATED)		291 - 315	mmol/L
COMMENTS (CHEMISTRY)		0 - 0	

CBC, Comprehensive, Sm Animal **B6** 10:20:57 AM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)	B6	0 - 0	g/dl
PCV **		0 - 0	%

Client: **B6**
Patient:

TS (FHSA)

B6

0 - 0

g/dl



stringsoft

14/47

B6

Printed Monday, February 25, 2019

Vitals Results

5:41:14 PM	Heart Rate (/min)
5:41:15 PM	Respiratory Rate
5:41:16 PM	Temperature (F)
5:41:17 PM	Weight (kg)
11:17:43 PM	Heart Rate (/min)
11:17:51 PM	Respiratory Rate
11:22:41 PM	Notes
11:26:08 PM	FiO2 (%)
1:03:01 AM	Respiratory Rate
2:54:19 AM	Catheter Assessment
2:56:22 AM	Heart Rate (/min)
2:56:33 AM	FiO2 (%)
2:57:15 AM	Respiratory Rate
5:07:52 AM	Respiratory Rate
7:34:37 AM	Eliminations
7:35:59 AM	FiO2 (%)
7:37:34 AM	Temperature (F)
7:37:44 AM	Amount eaten
7:46:29 AM	Respiratory Rate
7:46:58 AM	Heart Rate (/min)
7:47:06 AM	Catheter Assessment
9:13:53 AM	Weight (kg)
9:14:50 AM	Respiratory Rate
11:03:18 AM	FiO2 (%)
11:03:33 AM	Catheter Assessment
11:03:43 AM	Heart Rate (/min)
11:03:52 AM	Respiratory Rate
12:50:07 PM	Lasix treatment note
1:10:13 PM	Respiratory Rate
1:10:22 PM	Eliminations
3:18:03 PM	Catheter Assessment
3:18:20 PM	FiO2 (%)
3:18:55 PM	Respiratory Rate

B6

B6

Client: **B6**
Patient:

Vitals Results

B6	3:20:08 PM	Heart Rate (/min)	B6
	4:46:44 PM	Amount eaten	
	5:41:52 PM	Respiratory Rate	
	7:04:34 PM	FiO2 (%)	
	7:04:58 PM	Catheter Assessment	
	7:06:54 PM	Heart Rate (/min)	
	7:07:03 PM	Temperature (F)	
	7:34:10 PM	Weight (kg)	
	7:34:17 PM	Eliminations	
	7:45:53 PM	Lasix treatment note	
	7:46:17 PM	Respiratory Rate	
	8:55:18 PM	Nursing note	
	8:55:56 PM	Eliminations	
	9:53:33 PM	Respiratory Rate	
	11:31:43 PM	Catheter Assessment	
	11:32:37 PM	Catheter Assessment	
	11:34:10 PM	Heart Rate (/min)	
	11:34:31 PM	Amount eaten	
	11:49:45 PM	FiO2 (%)	
	11:49:58 PM	Respiratory Rate	
	1:55:25 AM	Respiratory Rate	
	3:35:30 AM	Lasix treatment note	
	3:37:10 AM	Catheter Assessment	
	3:45:10 AM	Heart Rate (/min)	
	3:45:19 AM	Eliminations	
	3:53:42 AM	FiO2 (%)	
	3:53:53 AM	Respiratory Rate	
	4:55:04 AM	Nursing note	
	5:55:31 AM	Respiratory Rate	
	6:11:40 AM	Nursing note	
7:19:26 AM	Respiratory Rate		
7:19:52 AM	FiO2 (%)		
7:20:14 AM	Temperature (F)		
7:20:30 AM	Heart Rate (/min)		
7:20:46 AM	Amount eaten		
7:33:19 AM	Weight (kg)		
7:33:27 AM	Eliminations		
8:01:36 AM	Catheter Assessment		
9:32:45 AM	Respiratory Rate		

Client: **B6**
Patient:

Vitals Results

11:16:45 AM	FiO2 (%)
12:41:34 PM	Catheter Assessment
12:41:43 PM	Respiratory Rate
12:42:33 PM	Heart Rate (/min)
12:42:50 PM	Lasix treatment note
1:52:56 PM	Heart Rate (/min)
3:03:09 PM	FiO2 (%)
3:03:22 PM	Respiratory Rate
3:40:13 PM	Respiratory Rate
3:55:45 PM	Eliminations
5:04:09 PM	Respiratory Rate
5:40:13 PM	Amount eaten
5:52:28 PM	Eliminations
5:54:07 PM	Respiratory Rate
5:54:57 PM	Heart Rate (/min)
5:55:05 PM	Catheter Assessment
6:52:18 PM	Respiratory Rate
7:17:27 PM	Eliminations
7:45:11 PM	Respiratory Rate
8:01:23 PM	Lasix treatment note
8:17:14 PM	Eliminations
8:54:56 PM	Respiratory Rate
9:32:19 PM	Heart Rate (/min)
9:32:26 PM	Catheter Assessment
9:32:35 PM	Eliminations
9:43:25 PM	Respiratory Rate
10:41:18 PM	Respiratory Rate
11:18:27 PM	Eliminations
11:18:49 PM	Weight (kg)
11:42:42 PM	Eliminations
11:53:16 PM	Respiratory Rate
12:52:00 AM	Respiratory Rate
1:22:40 AM	Heart Rate (/min)
1:22:46 AM	Catheter Assessment
1:45:25 AM	Respiratory Rate
2:53:51 AM	Respiratory Rate
3:34:16 AM	Lasix treatment note
3:34:45 AM	Respiratory Rate
3:43:47 AM	Eliminations
4:50:44 AM	Respiratory Rate
4:52:32 AM	Nursing note

B6

B6

Client: **B6**
Patient:

Vitals Results

B6	5:25:32 AM	Catheter Assessment	B6
	5:27:43 AM	Heart Rate (/min)	
	5:27:50 AM	Respiratory Rate	
	5:28:01 AM	Amount eaten	
	6:42:00 AM	Respiratory Rate	
	7:25:45 AM	Respiratory Rate	
	7:26:00 AM	Weight (kg)	
	7:26:12 AM	Eliminations	
	8:56:03 AM	Respiratory Rate	
	9:47:19 AM	Respiratory Rate	
	9:50:04 AM	Catheter Assessment	
	9:50:22 AM	Heart Rate (/min)	
	11:05:09 AM	Respiratory Rate	
	12:00:28 PM	Respiratory Rate	
	12:00:44 PM	Eliminations	
	12:05:36 PM	Lasix treatment note	
	12:55:52 PM	Respiratory Rate	
	1:55:49 PM	Respiratory Rate	
3:12:43 PM	Respiratory Rate		
3:17:41 PM	Eliminations		
4:02:34 PM	Respiratory Rate		

Patient History

B6	06:41 PM	Vitals	B6
	06:41 PM	Vitals	
	06:41 PM	Vitals	
	06:41 PM	Vitals	
	07:50 PM	UserForm	
	09:52 PM	UserForm	
	11:17 PM	Treatment	
	11:17 PM	Vitals	
	11:17 PM	Treatment	
	11:17 PM	Vitals	
	11:19 PM	Treatment	
	11:21 PM	Purchase	
	11:22 PM	Purchase	
	11:22 PM	Purchase	
11:22 PM	Vitals		

Client: **B6**
Patient:

Patient History

11:22 PM Purchase
11:22 PM Purchase
11:25 PM Treatment

11:26 PM Treatment

11:26 PM Vitals
11:26 PM Treatment
11:28 PM Labwork
12:50 AM Treatment
12:53 AM Treatment

01:03 AM Treatment
01:03 AM Vitals
02:54 AM Treatment
02:54 AM Treatment
02:54 AM Vitals
02:56 AM Treatment
02:56 AM Vitals
02:56 AM Treatment

02:56 AM Vitals
02:57 AM Treatment
02:57 AM Vitals
05:07 AM Treatment
05:07 AM Vitals
07:34 AM Treatment
07:34 AM Treatment
07:34 AM Vitals

07:35 AM Treatment

07:35 AM Vitals
07:37 AM Treatment
07:37 AM Vitals
07:37 AM Treatment

07:37 AM Vitals
07:46 AM Treatment
07:46 AM Vitals
07:46 AM Treatment
07:46 AM Vitals
07:47 AM Treatment
07:47 AM Vitals
08:13 AM UserForm
08:19 AM Purchase
08:32 AM UserForm

08:39 AM Treatment

B6

B6

Client: **B6**
Patient:

Patient History

08:45 AM	Prescription
08:48 AM	Prescription
09:13 AM	Treatment
09:13 AM	Vitals
09:14 AM	Treatment
09:14 AM	Vitals
09:34 AM	Purchase
09:35 AM	Treatment
11:03 AM	Treatment
11:03 AM	Vitals
11:03 AM	Treatment
11:03 AM	Treatment
11:03 AM	Vitals
11:03 AM	Treatment
11:03 AM	Vitals
11:03 AM	Treatment
11:03 AM	Vitals
11:03 AM	Treatment
11:03 AM	Vitals
11:05 AM	Purchase
11:39 AM	Treatment
11:41 AM	Treatment
12:50 PM	Vitals
12:52 PM	Treatment
12:54 PM	Prescription
01:01 PM	Deleted Reason
01:10 PM	Treatment
01:10 PM	Vitals
01:10 PM	Treatment
01:10 PM	Vitals
01:10 PM	Treatment
03:14 PM	Treatment
03:17 PM	Treatment
03:18 PM	Treatment
03:18 PM	Vitals
03:18 PM	Treatment
03:18 PM	Vitals
03:18 PM	Treatment
03:18 PM	Vitals
03:18 PM	Treatment
03:18 PM	Vitals
03:20 PM	Treatment
03:20 PM	Vitals
04:14 PM	UserForm
04:46 PM	Treatment

B6

B6

Client: **B6**
Patient:

Patient History

04:46 PM	Vitals
05:14 PM	Deleted Reason
05:14 PM	Deleted Reason
05:15 PM	Purchase
05:15 PM	Purchase
05:41 PM	Treatment
05:41 PM	Vitals
07:04 PM	Treatment
07:04 PM	Vitals
07:04 PM	Treatment
07:04 PM	Treatment
07:04 PM	Vitals
07:06 PM	Treatment
07:06 PM	Vitals
07:07 PM	Treatment
07:07 PM	Vitals
07:34 PM	Treatment
07:34 PM	Vitals
07:34 PM	Treatment
07:34 PM	Vitals
07:45 PM	Vitals
07:46 PM	Treatment
07:46 PM	Treatment
07:46 PM	Vitals
08:31 PM	Treatment
08:55 PM	Vitals
08:55 PM	Vitals
09:53 PM	Treatment
09:53 PM	Vitals
11:07 PM	Purchase
11:07 PM	Purchase
11:21 PM	Treatment
11:31 PM	Treatment
11:31 PM	Vitals
11:32 PM	Treatment
11:32 PM	Vitals
11:34 PM	Treatment
11:34 PM	Treatment
11:34 PM	Vitals
11:34 PM	Treatment
11:34 PM	Vitals
11:49 PM	Treatment
11:49 PM	Treatment

B6

B6

Client: **B6**
Patient:

Patient History

B6	11:49 PM	Vitals
	11:49 PM	Treatment
	11:49 PM	Vitals
	01:55 AM	Treatment
	01:55 AM	Vitals
	03:05 AM	Treatment
	03:35 AM	Vitals
	03:37 AM	Treatment
	03:37 AM	Treatment
	03:37 AM	Vitals
	03:45 AM	Treatment
	03:45 AM	Vitals
	03:45 AM	Treatment
	03:45 AM	Vitals
	03:45 AM	Vitals
	03:45 AM	Vitals
	03:53 AM	Treatment
	03:53 AM	Vitals
	03:53 AM	Treatment
	03:53 AM	Vitals
	04:50 AM	Treatment
	04:55 AM	Treatment
	04:55 AM	Vitals
	05:55 AM	Treatment
	05:55 AM	Vitals
	06:03 AM	Treatment
	06:11 AM	Vitals
	07:19 AM	Treatment
	07:19 AM	Vitals
	07:19 AM	Treatment
	07:19 AM	Vitals
	07:20 AM	Treatment
	07:20 AM	Treatment
	07:20 AM	Vitals
	07:20 AM	Treatment
	07:20 AM	Vitals
	07:20 AM	Treatment
	07:20 AM	Vitals
	07:33 AM	Treatment
	07:33 AM	Vitals
07:33 AM	Treatment	
07:33 AM	Vitals	
08:01 AM	Treatment	
08:01 AM	Vitals	
08:01 AM	Treatment	

B6

Client: **B6**
Patient:

Patient History

	08:46 AM	Purchase	
	09:32 AM	Treatment	
	09:32 AM	Vitals	
	09:46 AM	Purchase	
	10:50 AM	Purchase	
	10:51 AM	Treatment	
	11:05 AM	Purchase	
	11:16 AM	Treatment	
	11:16 AM	Vitals	
	12:41 PM	Treatment	
	12:41 PM	Vitals	
	12:41 PM	Treatment	
	12:41 PM	Vitals	
	12:42 PM	Treatment	
	12:42 PM	Vitals	
	12:42 PM	Vitals	
	12:43 PM	Treatment	
	12:46 PM	Treatment	
	01:43 PM	Purchase	
	01:52 PM	Treatment	
	01:52 PM	Vitals	
	03:03 PM	Treatment	
B6	03:03 PM	Vitals	
	03:03 PM	Treatment	
	03:03 PM	Vitals	
	03:40 PM	Vitals	
	03:46 PM	Labwork	
	03:50 PM	Treatment	
	03:53 PM	Prescription	
	03:55 PM	Treatment	
	03:55 PM	Vitals	
	05:04 PM	Treatment	
	05:04 PM	Vitals	
	05:09 PM	Treatment	
	05:09 PM	Treatment	
	05:40 PM	Treatment	
	05:40 PM	Vitals	
	05:52 PM	Vitals	
	05:54 PM	Treatment	
	05:54 PM	Vitals	
	05:54 PM	Treatment	
	05:54 PM	Vitals	
	05:55 PM	Treatment	
	05:55 PM	Vitals	
	06:48 PM	Prescription	

B6

Client: **B6**
Patient:

Patient History

06:52 PM Treatment
06:52 PM Vitals
06:52 PM Treatment
07:17 PM Vitals
07:27 PM Treatment

07:45 PM Treatment
07:45 PM Vitals
08:01 PM Vitals
08:01 PM Treatment
08:17 PM Vitals
08:27 PM Treatment

08:54 PM Treatment
08:54 PM Vitals
09:13 PM Treatment
09:32 PM Treatment
09:32 PM Vitals
09:32 PM Treatment
09:32 PM Vitals
09:32 PM Vitals
09:43 PM Treatment
09:43 PM Vitals
10:41 PM Treatment
10:41 PM Vitals
11:07 PM Purchase
11:07 PM Purchase
11:18 PM Treatment
11:18 PM Vitals
11:18 PM Vitals
11:42 PM Vitals
11:53 PM Treatment
11:53 PM Vitals
12:52 AM Treatment
12:52 AM Vitals
01:21 AM Treatment
01:22 AM Treatment
01:22 AM Vitals
01:22 AM Treatment
01:22 AM Vitals
01:45 AM Treatment
01:45 AM Vitals
02:53 AM Treatment
02:53 AM Vitals
03:34 AM Vitals
03:34 AM Treatment
03:34 AM Treatment
03:34 AM Vitals
03:34 AM Treatment

B6

B6

Client: **B6**
Patient:

Patient History

03:35 AM	Treatment
03:43 AM	Treatment
03:43 AM	Vitals
04:50 AM	Treatment
04:50 AM	Vitals
04:52 AM	Vitals
05:25 AM	Treatment
05:25 AM	Vitals
05:25 AM	Treatment
05:27 AM	Treatment
05:27 AM	Vitals
05:27 AM	Treatment
05:27 AM	Vitals
05:28 AM	Treatment
05:28 AM	Vitals
06:41 AM	Treatment
06:42 AM	Vitals
07:25 AM	Treatment
07:25 AM	Vitals
07:26 AM	Treatment
07:26 AM	Vitals
07:26 AM	Treatment
07:26 AM	Vitals
07:26 AM	Vitals
08:56 AM	Treatment
08:56 AM	Vitals
09:31 AM	UserForm
09:39 AM	Purchase
09:47 AM	Treatment
09:47 AM	Vitals
09:50 AM	Treatment
09:50 AM	Vitals
09:50 AM	Treatment
09:50 AM	Vitals
09:50 AM	Treatment
10:21 AM	Labwork
11:05 AM	Purchase
11:05 AM	Treatment
11:05 AM	Vitals
11:25 AM	Treatment
11:25 AM	Treatment
11:48 AM	Purchase
11:48 AM	Treatment
12:00 PM	Treatment
12:00 PM	Vitals

B6

B6

Client:
Patient:

B6

Patient History

B6

12:00 PM	Treatment
12:00 PM	Vitals
12:05 PM	Vitals
12:05 PM	Treatment
12:55 PM	Treatment
12:55 PM	Vitals
01:01 PM	Treatment
01:55 PM	Treatment
01:55 PM	Vitals
03:12 PM	Treatment
03:12 PM	Vitals
03:17 PM	Treatment
03:17 PM	Treatment
03:17 PM	Vitals
03:55 PM	Prescription
03:56 PM	Prescription
04:02 PM	Treatment
04:02 PM	Vitals
04:02 PM	Prescription
04:03 PM	Prescription
04:20 PM	Purchase
12:52 PM	Appointment

B6

B6

B6

B6

Female (Spayed)

Canine English Bulldog Brown/White

Patient ID: B6

STANDARD CONSENT FORM

I am the owner, or agent for the owner, of the above described animal and have the authority to execute consent. I hereby authorize the Cummings School of Veterinary Medicine at Tufts University (herein after Cummings School) to prescribe for treatment of said animal according to the following terms and conditions.

Cummings School and its officers, agents and employees will provide such veterinary medical care as they deem reasonable and appropriate under the circumstances.

Cummings School and its officers, agents, and employees will use all reasonable care in the treatment of the above mentioned animal, but will not be liable for any loss or accident that may occur or any disease that may develop as a result of the care and treatment provided.

I understand that the above identified animal may be treated by Cummings School students under the supervision and assistance of Cummings School staff members.

In executing this form, I hereby expressly acknowledge that risks, benefits and alternative forms of treatment have been explained to me. I understand said explanation, and I consent to treatment. Should any additional treatments or diagnostics be required during the continued care of my animal, I understand that I will be given the opportunity to discuss and consent to these additional procedures. I understand that further or additional treatment may be required without an opportunity for discussion and consideration by me, in the case of the development of any life-threatening emergency during the continued care of my animal and I expressly consent to all such reasonable treatment as required. I realize and understand that results cannot be guaranteed.

If any equipment is left with the animal, it will be accepted with the understanding that Cummings School assumes no responsibility for any loss of equipment that may occur.

I agree to pick up the animal when notified that it is ready for release.

In the event the animal is not picked up, and if ten (10) days have expired since a registered letter was sent to the address given above, notifying me to call for the animal, the animal may be sold or otherwise disposed of in a humane manner and the proceeds applied to the charges incurred in caring and treating the animal. Failure to remove said animal will not and does not relieve me from obligation for the costs of services rendered.

I hereby grant to the Cummings School of Veterinary Medicine at Tufts University, its officers and employees (collectively referred to herein as Cummings School), and its agents and assigns (the Grantees) the irrevocable rights to photograph / videotape the operation or procedure to be performed, including appropriate and otherwise use such photographs and images for, and in connection with, a Grantee's medical, scientific, educational, and publicity purposes, by any means, methods and media (print and electronic) now known or, in the future, developed that the Grantee deems appropriate (provided that such photographs and images may not be used in for-profit commercials, unless such commercials are publicizing educational programs at Cummings School). As medical and surgical treatment necessitates the removal of tissue, cells, fluids or body parts of my animal, I authorize the Grantees to dispose of or use these tissues, cells, fluids or body parts for scientific and educational purposes.

I understand that a FINANCE CHARGE will be applied to all accounts unpaid after 30 days. The FINANCE CHARGE is computed on a monthly rate of 1.33% per month, which is an annual percentage rate of 16% applied to the average daily balance outstanding, with a minimum fee of \$.50.

I do further agree that should any payment, or the full amount of the sum stated above, become overdue more than 20 days from the above-agreed upon time of payment or payments, the entire balance shall be considered in default and become due and payable. I further agree to be responsible for any or all collection agency and/or attorney fees necessary to collect the full amount.

I do further agree to comply with hours of visitation in conjunction with our Hospital's policy.

I have read, understand, and agree to accept the terms and conditions herein.

Owner's name:

Date:

Owner's address:

B6

Date: *12/1/12*

If the individual admitting the animal is someone other than the legal owner, please complete the portion below:

The owner of the animal has granted me authority to obtain medical treatment and to bind this owner to pay the veterinary medical services provided at Cummings School pursuant to the terms and conditions described above.

Authorized Agent - Please Print

Agent's Signature

Street Address

Date

Town/City State Zip

Treatment Plan

Estimated Charges
B6

B6

This estimate is based upon our preliminary examination. This is an estimate and is not the final bill. Every effort will be made to keep you informed of the current status of your bill throughout your animal's hospitalization. The final fee may vary considerably from this estimated cost.

Patient	Description	Low Qty	Low Extended	High Qty	High Extended
B6					

B6

Doctor of Record: **B6**

B6

I understand that no guarantee of successful treatment is made. I certify that I have read and fully understand the authorization for medical and/or surgical treatment, the reason for why such medical and/or surgical treatment is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to this patient(s). I agree to pay 75% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when this patient(s) is released.
Procedural billing is inclusive up to and including the estimated duration of hospitalization. There will be additional expenses if hospitalization extends beyond the specified duration.
I have read, understand, and agree to accept the conditions of this treatment plan.
Thank you for entrusting us with your pet's care.

Radiology Request & Report

Patient

Name: B6
Species: Canine
Brown/White Female (Spayed)
English Bulldog
Birthdate: B6

Owner

Name: B6
Address: B6
B6

Patient ID: B6
Date of request: B6

Attending Clinician: B6

Student:

Date of exam: B6

Patient Location: Ward/Cage: ICU 02

Weight (kg) 19.80

Sedation

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

- BAG
- OBAG
- 1/2 dose OBAG
- Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: 3-view thorax (prioritize VD/DV and L lat)

Presenting Complaint and Clinical Questions you wish to answer:
Emergency

Pertinent History:
acute onset dyspnea, no known hx - pneumonia vs CHF

Findings:

B6

Conclusions:

- Diffuse bronchial and interstitial pulmonary pattern may indicate concurrent chronic lower airway disease (allergic, infectious, or parasitic) and interstitial lung disease. Airway sampling can be considered.
- Mild cardiomegaly and left atrial enlargement without evidence of decompensation. Echocardiography can be considered (to evaluate mitral valve and to evaluate for pulmonary hypertension).
- Multifocal intervertebral disk disease and breed-associated vertebral anomalies.
- Moderate bilateral elbow and right stifle degenerative joint disease.

Radiologists

Primary:

Reviewing:

Dates

Reported:

Finalized:

Discharge Instructions

Patient

Name: B6

Species: Canine

Brown/White Female (Spayed) English

Bulldog

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: B6

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6

Admit Date: B6 7:49:24 PM

Discharge Date: B6

Diagnoses: Dilated cardiomyopathy (DCM) with congestive heart failure

Diagnostic test results and findings:

B6

Case summary:

Thank you for bringing B6 to Tufts for evaluation of her heart disease. B6 originally presented to the Tufts ER on B6 for sudden onset of respiratory distress and a cough. B6 was stabilized with supplemental oxygen in the ICU and was given antibiotics and mild sedatives to keep her comfortable. X-rays of B6 chest showed a diffuse increased opacity in her lungs that was suspected to be fluid secondary to heart disease, but pneumonia could not be ruled out. A cardiology workup showed that B6 had enlargement of her heart chambers, and a blood test showed that one of the indicators of heart stretch was elevated, thus supporting the presence of heart disease.

B6 has been diagnosed with a primary heart muscle disease called dilated cardiomyopathy (DCM). This disease is more common in large and giant breed dogs and is characterized by thinning of the walls of the heart, reduced cardiac pump function, and enlargement of the upper chambers of the heart. Many dogs with DCM will also have significant arrhythmias.

which can be life-threatening and also require medical management. The heart enlargement has now progressed to the point of congestive heart failure, meaning that fluid is backing up into the lungs or belly. Unfortunately this is a progressive disease and we cannot reverse the changes to the heart muscle, however we can use cardiac medications and some changes to the diet to make B6 comfortable and have her breathing easier.

B6 has been breathing well outside of the oxygen cage, and her recheck examinations, echocardiograms, and chest x-rays have been stable. At this time we are happy with her condition, and are comfortable to send her home.

Monitoring at home:

- o We would like you to monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- o In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 to 40 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.
- o An increase in breathing rate or effort will usually mean that you should give an extra dose of B6 if difficulty breathing is not improved by within 30-60 minutes after giving extra B6 then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.
- o There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<https://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- o We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- o If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

Recommended Medications:

B6

Diet suggestions:

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable - a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>)

Your dog's usual diet may also have more sodium than recommended - we want her to continue to eat her normal diet for the first 7 to 14 days so we can make sure she is tolerating medications well, but after that time we would recommend slowly introducing one of the lower sodium diets on the HeartSmart list (25% of the new diet and 75% old diet for 2-3 days, then 50/50, etc.). Hopefully you can find a diet on the list that your dog likes to eat.

The FDA is currently investigating an apparent association between diet and DCM. The exact cause is still unclear, but it appears to be associated with boutique diets and those containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.

We recommend switching B6 to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.

The FDA issued a statement regarding this issue

(<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm613305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's Petfoodology blog can further explain these findings

(<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).

Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease

Dry Food Options:

Royal Canin Early Cardiac (veterinary diet)

Royal Canin Bower

Purina Pro Plan Adult Weight Management

Purina Pro Plan Bright Mind Adult Small Breed Formula

Canned Food Options:

Hill's Science Diet Adult Beef and Barley Entree

Hill's Science Diet Adult 1-6 Healthy Cuisine Roasted Chicken, Carrot, and Spinach Stew

Royal Canin Mature 8+

If your dog has special nutritional needs or requires a homecooked diet, we recommend you schedule an appointment with our nutritionists (508-887-4696).

Exercise Recommendations:

For the first 7 to 10 days after starting medications for heart failure we recommend very limited activity. Leash walking only is ideal, and short walks to start. Once the heart failure is better controlled, then slightly longer walks are acceptable.

However, if you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

Recheck Visits:

A recheck visit is recommended in 1-2 weeks after any medication adjustments are made. At this visit we will check your dog's breathing effort and heart function, do a blood test to recheck kidney values, and probably recheck a blood pressure.

A recheck echocardiogram is recommended in 3-4 months.

Thank you for entrusting us with B6 care, she is such a spirited girl! Please contact our Cardiology liaison at (508)-887-4696 or email us at cardiovet@tufts.edu for scheduling and non-emergent questions or concerns.

Sincerely,

B6

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

Prescription Refill Disclaimer:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: vet.tufts.edu/cvmu/clinical-studies

Case: B6

Owner: B6

Discharge Instructions

Radiology Request & Report

Patient

Name: B6

Species: Canine

Brown/White Female (Spayed)

English Bulldog

Birthdate: B6

Owner

Name: B6

Address: B6

B6

Patient ID: B6

Date of request: B6

Attending Clinician: B6

Student: B6

Date of exam: B6

Patient Location: Ward/Cage: Cardio, ICU

Weight (kg) 19.60

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

Sedation

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: 2 view CXR- DV and R lateral

****TECHS TO HANDLE ONLY**-** be careful due to dyspnea, do not stress further if dyspneic

Presenting Complaint and Clinical Questions you wish to answer:

Recheck rads for CHF before discharge

Pertinent History:

DCM, suspected CHF on rads B6

Findings:

B6

B6

Conclusions:

- Improving interstitial pulmonary pattern is consistent with response to medical management.
- Unchanged mild cardiomegaly and similar to mildly improved left atrial enlargement.
- Unchanged multifocal intervertebral disk disease and breed-associated vertebral anomalies.
- Unchanged moderate bilateral elbow degenerative joint disease.

Radiologists

B6

Reviewing:

Dates

Reported: B6

Finalized:

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY
Cardiology Liaison: 508-887-4696

B6

Patient ID: B6

B6 Canine

B6 years Old Female (Spayed) English
Bulldog

Brown/White BW: Weight (kg) 19.80

Cardiology Inpatient ENROLLED IN DCM STUDY

Date: B6

Weight: Weight (kg) 19.80

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Thoracic radiographs available for review?

- Yes - in SS
- Yes - in PACS
- No

Patient location:

ICU 02 5/6

Presenting complaint and important concurrent diseases:

Presenting for new onset dyspnea, radiographs unintelligible between pneumonia and CHF. Persistent sinus tachycardia overnight

Current medications and doses:

B6

At-home diet: (name, form, amount, frequency)

Core Wellness grain-free wet + dry

Key indication for consultation: (murmur, arrhythmia, needs fluids, etc.)

dyspnea, contiguous B-lines

Questions to be answered:

fluid vs. lasix

Is your consult time-sensitive? (e.g., anesthesia today, owner waiting, trying to get biopsy today)

- Yes (explain):

No

STOP - remainder of form to be filled out by Cardiology

Physical Examination

B6

Muscle condition:

- Normal
- Mild muscle loss
- Moderate cachexia
- Marked cachexia

Cardiovascular Physical Exam

Murmur Grade: Very hard to listen due to the marked dyspnea and referred upper airway.

- None
- I/VI
- II/VI
- III/VI
- IV/VI
- V/VI
- VI/VI

Murmur location/description:

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck
- Top 2/3 of the neck
- 1/2 way up the neck

Arterial pulses: n/a

- Weak
- Fair
- Good
- Strong
- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other (describe):

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats
- Bradycardia
- Tachycardia

Gallop:

- Yes
- No
- Intermittent
- Pronounced
- Other:

Pulmonary assessments:

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds
- Pulmonary Crackles
- Wheezes
- Upper airway stridor
- Other auscultatory findings:

Abdominal exam: n/a

- Normal
- Hepatomegaly

- Abdominal distension
- Mild ascites

Echocardiogram Findings:

B6

Doppler findings:

B6

Mitral inflow:

B6

Radiographic findings:

B6

Assessment and recommendations:

Despite the poor quality of the echocardiogram pictures obtained today, we suspect the patient to have DCM with moderate to marked LA enlargement. The radiographs are very hard to interpret, typical for bulldog radiographs, but we suspect CHF to be one of the main differential despite the atypical pattern visualized. Treatment for HF should be initiated and improvement of the clinical condition would be a vote in favor for CHF.

B6

B6

B6

Addendum:

Patient's NT-proBNP was **B6**. A good improvement was noted with CHF treatment and recheck radiographs revealed improvement of the previously diagnosed **B6**. The patient is scheduled to go home today with a recheck in 7-10 days.

Final Diagnosis:

- Suspected DCM with moderate to marked LA enlargement and suspected CHF

Heart Failure Classification Score:

ISACHC Classification:

- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM CHF Classification:

- A
- B1
- B2
- C
- D

M-Mode

IVSd

LVIDd

LVPWd

IVSs

LVIDs

LVPWs

EDV(Teich)

ESV(Teich)

EF(Teich)

%FS

SV(Teich)

M-Mode Normalized

IVSdN

LVIDdN

LVPWdN

IVSsN

LVIDsN

LVPWsN

2D

SA LA

B6

cm
cm
cm
cm
cm
cm
ml
ml
%
%
ml

{0.290 - 0.520}
{1.350 - 1.730} !
{0.330 - 0.530}
{0.430 - 0.710}
{0.790 - 1.140} !
{0.530 - 0.780}

cm

Ao Diam
SA LA / Ao Diam
IVSd
LVIDd
LVPWd
EDV(Teich)
IVSs
LVIDs
LVPWs
ESV(Teich)
EF(Teich)
%FS
SV(Teich)
IVSd
LVIDd
EDV(Teich)
LVPWd

B6

cm
cm
cm
ml
cm
cm
ml
cm
ml
%
%
ml
cm
cm
ml
cm

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone: (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>
Referring Vet Direct Line: 508-887-4988

Notice of Patient Admit

Date: B6 7:49:24 PM

Case No: B6

Referring Doctor: B6

Client Name: B6

Patient Name: B6

Dear B6

Your patient presented to our Emergency service. Please make note of the following information to facilitate communication with our team.

The attending doctor is: B6

The reason for admission to the FHSA is: Dyspnea (pneumonia > CHF)

If you have any questions regarding this particular case, please call 508-887-4988 to reach the ICU Service. Information is updated daily, by noon.

Thank you for your referral to our Emergency Service.

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/Chloe>

B6

B6
B6 Female (Spayed)
Canine English Bulldog
Brown/White
B6

Daily Update From the Cardiology Service

Today's date: **B6**
Dear **B6**

Thank you for referring patients to the Foster Hospital for Small Animals at the Cummings School of Tufts University.

Your patient **B6** was admitted and is being cared for by the Cardiology Service.

Today **B6**

- is in stable condition
- is still in the oxygen cage
- is critically ill
- discharged from the hospital today

Today's treatments include:

- bloodwork planned/pending
- echocardiography - DCM and L-CHF
- cardiac catheter procedure planned
- ongoing treatment for CHF
- ongoing treatment for thrombosis
- ongoing treatment for arrhythmia

Additional plans:

Please allow 3-5 business days for reports to be finalized upon patient discharge.

Please call (508) 887-4696 before 5pm or email us at cardiovet@tufts.edu if you have any questions.
Thank you!

Attending Clinician: **B6**

Faculty Clinician: John Rush DVM, DACVIM, DACVECC

Senior student:

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

B6

B6
B6 Female (Spayed)
Canine English Bulldog
Brown/White
B6

B6

Dear B6

Thank you for referring B6 with their pet B6

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

B6

Client:
Address:

B6

All Medical Records

Patient: **B6**
Breed: English Bulldog
DOB: **B6**

Species: Canine
Sex: Female
(Spayed)

Referring Information

B6
Client: **B6**
Patient:

Initial Complaint:

New **B6** DCM study

SOAP Text Feb 20 2019 3:37PM **B6**

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
Patient:

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
North Grafton, MA 01536
(508) 839-5395

Client:	B6
Veterinarian:	
Patient ID:	B6
Visit ID:	

Patient:	B6
Species:	Canine
Breed:	English Bulldog
Sex:	Female (Spayed)
Age:	B6 Years Old

Lab Results Report

Accession ID:

Test	Results	Reference Range	Units
------	---------	-----------------	-------



Client: **B6**
Patient: **B6**

CBC/CHEM



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB: **B6** Sex: SF Provider: **B6**
Patient ID: **B6** Age: 8 Order Location: V320559: Investigation into
Phone number: Species: Canine Sample ID: 1902200170
Collection Date: 2/20/2019 3:39 PM Breed:
Approval date: 2/20/2019 5:50 PM

CBC, Comprehensive, Sm Animal (Research)

02/20/19	5:50 PM	B6	
SMACHUNSKI			Ref. Range/Females
WBC (ADVIA)		B6	4.40-15.10 K/uL
RBC (Advia)		B6	5.80-8.50 M/uL
Hemoglobin (ADVIA)		B6	13.3-20.5 g/dL
Hematocrit (Advia)		B6	39-55 %
MCV (ADVIA)		B6	64.5-77.5 fL
MCH (ADVIA)		B6	21.3-25.9 pg
CHCM		B6	
MCHC (ADVIA)		B6	31.9-34.3 g/dL
RDW (ADVIA)		B6	11.9-15.2
Platelet Count (Advia)		B6	173-486 K/uL
Mean Platelet Volume (Advia)		B6	8.29-13.20 fl
02/20/19	3:56 PM	B6	
Platelet Crit		B6	0.129-0.403 %
02/20/19	3:56 PM	B6	
PDW		B6	
Reticulocyte Count (Advia)		B6	0.20-1.60 %
Absolute Reticulocyte Count (Advia)		B6	14.7-113.7 K/uL
CHr		B6	
MCVr		B6	

Microscopic Exam of Blood Smear (Advia)

SMACHUNSKI			Ref. Range/Females
Seg Neuts (%)		B6	43-86 %
Lymphocytes (%)		B6	7-47 %
Monocytes (%)		B6	1-15 %
Eosinophils (%)		B6	0-16 %
Seg Neutrophils (Abs) Advia		B6	2.800-11.500 K/uL
Lymphs (Abs) Advia		B6	1.00-4.80 K/uL
Mono (Abs) Advia		B6	0.10-1.50 K/uL
Eosinophils (Abs) Advia		B6	0.00-1.40 K/uL
WBC Morphology		B6	
RBC Morphology		B6	
Poikilocytosis		B6	

Research Chemistry Profile - Small Animal (Cobas)

Sample ID: 19022001701
This report continues... (Final)

Reviewed by: _____

Client: **B6**
Patient:

CBC/CHEM



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB: **B6** Sex: SF Provider: **B6**
Patient ID: **B6** Age: 8 Order Location: V320559: Investigation into
Phone number: Species: Canine Sample ID: 1902200170
Collection Date: 2/20/2019 3:39 PM Breed:
Approval date: 2/20/2019 5:50 PM

Research Chemistry Profile - Small Animal (Cobas) (cont'd)

		Ref. Range/Females
DNOYES		
Glucose		67-135 mg/dL
Urea		8-30 mg/dL
Creatinine		0.6-2.0 mg/dL
Phosphorus		2.6-7.2 mg/dL
Calcium 2		9.4-11.3 mg/dL
Magnesium 2+		1.8-3.0 mEq/L
Total Protein		5.5-7.8 g/dL
Albumin		2.8-4.0 g/dL
Globulins		2.3-4.2 g/dL
A/G Ratio		0.7-1.6
Sodium		140-150 mEq/L
Chloride		106-116 mEq/L
Potassium		3.7-5.4 mEq/L
tCO2(Bicarb)		14-28 mEq/L
AGAP		8.0-19.0
NA/K		29-40
Total Bilirubin		0.10-0.30 mg/dL
Alkaline Phosphatase		12-127 U/L
GGT		0-10 U/L
ALT		14-86 U/L
AST		9-54 U/L
Creatine Kinase		22-422 U/L
Cholesterol		82-355 mg/dL
Triglycerides		30-338 mg/dl
Amylase		409-1250 U/L
Osmolality (calculated)		291-315 mmol/L

Sample ID: 19022001702
REPRINT: Orig. printing on 2/20/2019 (Final)

Reviewed by: _____
Page 2

Client: **B6**
Patient: **B6**

IDEXX BNP - 2/20/2019

IDEXX Reference Laboratories

Client: **B6** Patient: **B6**

Client: **B6**
Patient: **B6**
Species: CANINE
Breed: BULLDOG
Gender: FEMALE SPAYED
Age: 6Y

Date: 02/20/2019
Requisition #: 1A
Accession #: **B6**
Ordered by: KARLIN

IDEXX VetConnect 1-888-433-9967
TUFTS UNIVERSITY
200 WESTBORO RD
NORTH GRAFTON, Massachusetts 01536
508-839-5395
Account #88933

CARDIOPET proBNP- CANINE

Test	Result	Reference Range	Unit
CARDIOPET proBNP - CANINE	B6	0 - 900 pmol/L	B6

Comments:

1. Cardiopet proBNP >1800pmol/L

B6

Please note: Complete interpretive comments for all concentrations of Cardiopet proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

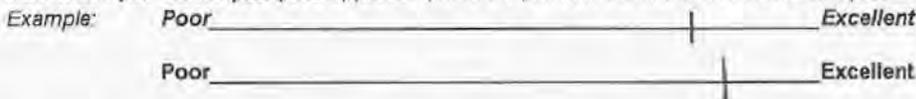
Client: **B6**
 Patient: **B6**

Diet history 2/20/19

CARDIOLOGY DIET HISTORY FORM
 Please answer the following questions about your pet

Pet's name: **B6** Owner's name: **B6** Today's date: 2/20/19

1. How would you assess your pet's appetite? (mark the point on the line below that best represents your pet's appetite)



2. Have you noticed a change in your pet's appetite over the last 1-2 weeks? (check all that apply)

- Eats about the same amount as usual
- Eats less than usual
- Eats more than usual
- Seems to prefer different foods than usual
- Other _____

3. Over the last few weeks, has your pet (check one)
 Lost weight Gained weight Stayed about the same weight Don't know

1. Please list below ALL pet foods, people food, treats, snack, dental chews, rawhides, and any other food item that your pet currently eats and that you have fed in the last 2 years.

Please provide enough detail that we could go to the store and buy the exact same food - examples are shown in the table

Food (include specific product and flavor)	Form	Amount	How often?	Dates fed
Nutra Grain Free Chicken, Lentil, & Sweet Potato Adult	dry	1 1/2 cup	2x/day	Jan 2016-present
85% lean hamburger	microwaved	3 oz	1x/week	June -Aug 2016
Pupperoni original beef flavor	treat	1/2	1x/day	Sept 2016-present
Rawhide	treat	6 inch twist	1x/week	Dec 2018-present
<u>SAME AS</u> B6				

*Any additional diet information can be listed on the back of this sheet

2. Do you give any dietary supplements to your pet (for example: vitamins, glucosamine, fatty acids, or any other supplements)? Yes No If yes, please list which ones and give brands and amounts:

	Brand/Concentration	Amount per day
Taurine <input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Carnitine <input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Antioxidants <input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Multivitamin <input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Fish oil <input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Coenzyme Q10 <input type="checkbox"/> Yes <input type="checkbox"/> No	_____	_____
Other (please list): Example: Vitamin C		
<u>Kim Rotic</u>	<u>Nature's Bounty</u>	<u>500 mg tablets - 1 per day</u>
	<u>Nature's Bounty</u>	<u>50 billion</u>
	_____	_____
	_____	_____
	_____	_____

3. How do you administer pills to your pet?
 I do not give any medications
 I put them directly in my pet's mouth without food
 I put them in my pet's dog/cat food
 I put them in a Pill Pocket or similar product
 I put them in foods (list foods): _____

CHANGE TO
RECIPIE

Client:
Patient:

B6

Vitals Results

2/20/2019 3:00:08 PM

Weight (kg)

24.2000

Client: **B6**
Patient:

ECG from cardio

B6

2/20/2019 4:05:01 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**
Patient:

ECG from cardio

B6

2/20/2019 4:05:13 PM

Page 1 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**
Patient:

ECG from cardio

B6

2/20/2019 4:05:13 PM

Page 2 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client:
Patient:

B6

ECG from cardio

B6

2/20/2019 4:05:43 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Client: **B6**
Patient:

Patient History

02/08/2019 09:18 AM	Appointment
02/12/2019 10:57 AM	Appointment
02/13/2019 09:14 AM	Appointment
02/13/2019 10:56 AM	Appointment
02/20/2019 02:30 PM	UserForm
02/20/2019 02:56 PM	Treatment
02/20/2019 02:57 PM	Treatment
02/20/2019 03:00 PM	Vitals
02/20/2019 03:00 PM	Purchase
02/20/2019 03:19 PM	Purchase
02/20/2019 03:19 PM	Purchase
02/20/2019 03:47 PM	UserForm
02/20/2019 10:42 PM	Email
02/22/2019 05:15 PM	Appointment

B6

13

Discharge Instructions

Patient

Name: B6

Species: Canine

Brown/White Female (Spayed) English

Bulldog

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: B6

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6

Date: 2/20/2019

Diagnoses:

Mild cardiac changes that could be consistent with early arrhythmogenic right ventricular cardiomyopathy (ARVC) or a component of nutritional cardiomyopathy

Clinical Findings:

Thank you for bringing B6 to the Tufts cardiology service today for evaluation of her heart as part of a study on DCM. You report that other than an elevated BNP, there has been no indication that Bella has had any heart issues. Her breathing rate and activity levels at home have appeared normal.

To evaluate the health of her heart, we performed an echocardiogram (echo). We also evaluated B6 heart rhythm with an electrocardiogram (EKG). On echo B6 had mildly decreased contractile function of the left ventricle. Her left atrium was mildly enlarged. Her right heart, however, was more significantly enlarged, which is something we can see with ARVC. No arrhythmias were detected on the EKG today, but we cannot rule out intermittent arrhythmia. Overall, B6 changes do not clearly require medication at this stage, but we will want to monitor for progression over time. It is unclear whether the changes to Bella's heart are related to ARVC, nutrition, or some combination of things.

A blood sample was also collected for bloodwork for the study, and we will contact you as the results come in.

At this time, we will only treat B6 with the taurine supplement. We do recommend periodic echo rechecks to make sure there have been no changes to her heart over time and for the DCM study that she has been enrolled in.

Monitoring at Home:

Please monitor [B6] at home for any concerning cardiac signs such as increased breathing rate or effort, exercise intolerance, or collapsing episodes. If she collapses, evaluate her gums for any darker coloration. If this occurs, please have Bella seen by a veterinarian immediately.

Please obtain a Kardia/Alivecor ECG reading from [B6] at home once every few weeks. You can email this result to cardiovet@tufts.edu.

Diet Suggestions:

We recommend feeding [B6] a commercial dog food diet, as directed by Dr Freeman.

Exercise Recommendations:

[B6] may continue her regular exercise regimen.

Recommended Medications:

[B6] supplement: Please give [B6] mg by mouth twice daily.

We may not need to continue this once we get [B6] results back.

Recheck Visits: Please call to schedule an appointment for about 3 months for a recheck echocardiogram as part of the DOM study.

Thank you for entrusting us with [B6] care. She is such a sweet girl, and was an excellent patient to work with!

Please contact our Cardiology liaison at (508)-887-4696 or email us at cardiovet@tufts.edu for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

Prescription Refill Disclaimer:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: vet.tufts.edu/cvmc/clinical-studies

Case [B6]

Owner [B6]

Discharge Instructions

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

B6

Patient ID: B6

B6 Canine
Years Old Female (Spayed) English Bulldog
Brown/White

Cardiology Appointment Report

Date: 2/20/2019

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6

Presenting Complaint:

DCM Study

Concurrent Diseases:

None

General Medical History:

B6

B6

B6

Diet and Supplements:

CORE Wellness grain-free diet (dry (fish) and wet (turkey and chicken)) - 3 ounces of wet food BID, 1/4 cup dry BID

Probiotic for chronic enteritis

Cardiovascular History:

Prior CHF diagnosis? N

Prior heart murmur? N

Prior ATE? N

Prior arrhythmia? N

Monitoring respiratory rate and effort at home? Y, owner thinks no higher than 40 at rest, usually 20-30

Cough? N

Shortness of breath or difficulty breathing? Not when at rest

Syncope or collapse? N

Sudden onset lameness? N

Exercise intolerance? Yes, when taken for long walks

Current Medications Pertinent to CV System:

None at this time

Cardiac Physical Examination:

B6

Muscle condition:

- | | |
|--|--|
| <input type="checkbox"/> Normal | <input type="checkbox"/> Moderate cachexia |
| <input checked="" type="checkbox"/> Mild muscle loss: mild wasting over epaxials | <input type="checkbox"/> Marked cachexia |

Cardiovascular Physical Exam:

Murmur Grade:

- | | |
|--|--------------------------------|
| <input checked="" type="checkbox"/> None | <input type="checkbox"/> IV/VI |
| <input type="checkbox"/> I/VI | <input type="checkbox"/> V/VI |
| <input type="checkbox"/> II/VI | <input type="checkbox"/> VI/VI |
| <input type="checkbox"/> III/VI | |

Jugular vein:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Bottom 1/3 of the neck | <input type="checkbox"/> 1/2 way up the neck |
| <input type="checkbox"/> Middle 1/3 of the neck | <input type="checkbox"/> Top 2/3 of the neck |

Arterial pulses:

- | | |
|---------------------------------|---|
| <input type="checkbox"/> Weak | <input type="checkbox"/> Bounding |
| <input type="checkbox"/> Fair | <input type="checkbox"/> Pulse deficits |
| <input type="checkbox"/> Good | <input type="checkbox"/> Pulsus paradoxus |
| <input type="checkbox"/> Strong | <input checked="" type="checkbox"/> Other: difficult to assess due to trembling |

Arrhythmia:

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Bradycardia |
| <input checked="" type="checkbox"/> Sinus arrhythmia | <input type="checkbox"/> Tachycardia |
| <input type="checkbox"/> Premature beats | |

Gallop:

- | | |
|--|-------------------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> Pronounced |
| <input checked="" type="checkbox"/> No | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Intermittent | |

Pulmonary assessments:

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds

- Pulmonary crackles
- Wheezes
- Upper airway stridor

Abdominal exam:

- Normal
- Hepatomegaly
- Abdominal distension

- Mild ascites
- Marked ascites

Problems:

No cardiac anomalies to report

Diagnostic plan:

- Echocardiogram
- Chemistry profile
- ECG
- Renal profile
- Blood pressure

- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests:

Echocardiogram Findings:

B6

B6

Doppler findings:

B6

Mitral inflow:

B6

- Pseudonormal
- Restrictive

ECG findings:

B6

Assessment and recommendations:

Echocardiogram reveals structural changes that could be consistent with ARVC, but no arrhythmia was documented today. 24 hour Holter monitor could be considered to rule out intermittent arrhythmia. Owner has a Kardia at home and will obtain monthly readings. No cardiac medications are clearly indicated based on today's exam, but recommend supplementing with taurine until blood levels return from the lab. Patient was enrolled in the DCM study. Recheck echo in 3 and 6 months for the study.

Final Diagnosis:

Possible early ARVC; r/o nutrition related cardiomyopathy or a combination

Heart Failure Classification Score:

ISACHC Classification:

- Ia
- IIIa
- Ib
- IIIb

II

ACVIM Classification:

- A
- B1
- B2

- C
- D

M-Mode

- IVSd
- LVIDd
- LVPWd
- IVSs
- LVIDs
- LVPWs
- EDV(Teich)
- ESV(Teich)
- EF(Teich)
- %FS
- SV(Teich)
- Ao Diam
- LA Diam
- LA/Ao
- Max LA
- TAPSE
- EPSS

M-Mode Normalized

- IVSdN
- LVIDdN
- LVPWdN
- IVSsN
- LVIDsN
- LVPWsN
- Ao Diam N
- LA Diam N

2D

- SA LA
- Ao Diam
- SA LA / Ao Diam
- IVSd
- LVIDd



- cm
- cm
- cm
- cm
- cm
- cm
- ml
- ml
- %
- %
- ml
- cm
- cm
- cm
- cm
- cm
- cm

- (0.290 - 0.520)
- (1.350 - 1.730)
- (0.330 - 0.530)
- (0.430 - 0.710)
- (0.790 - 1.140)
- (0.530 - 0.780)
- (0.680 - 0.890) !
- (0.640 - 0.900) !

- cm
- cm
- cm
- cm

LVPWd	cm
EDV(Teich)	ml
IVSs	cm
LVIDs	cm
LVPWs	cm
ESV(Teich)	ml
EF(Teich)	%
%FS	%
SV(Teich)	ml
LV Major	cm
LV Minor	cm
Sphericity Index	
LVLd LAX	cm
LVAAd LAX	cm
LVEDV A-L LAX	ml
LVEDV MOD LAX	ml
LVLs LAX	cm
LVAAs LAX	cm
LVESV A-L LAX	ml
LVESV MOD LAX	ml
HR	BPM
EF A-L LAX	%
LVEF MOD LAX	%
SV A-L LAX	ml
SV MOD LAX	ml
CO A-L LAX	l/min
CO MOD LAX	l/min
<u>Doppler</u>	
MV E Vel	m/s
MV DecT	ms
MV Dec Slope	m/s
MV A Vel	m/s
MV E/A Ratio	
E'	m/s
E/E'	
A'	m/s
S'	m/s
AV Vmax	m/s
AV maxPG	mmHg
PV Vmax	m/s
PV maxPG	mmHg
TR Vmax	m/s
TR maxPG	mmHg

B6

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

B6

B6

B6 Female (Spayed)

Canine English Bulldog

Brown/White

B6

2/21/2019

Dear

B6

Thank you for referring B6 with their pet B6

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

B6

Report Details - EON-380742

ICSR: 2063133
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-02-25 07:43:42 EST

Reported Problem:

Problem Description: DCM and CHF diagnosed 1/15/19 Eating BEG diet. 6 dogs being fed this diet - so far. 3 have been diagnosed with DCM/ARVC. One other had a normal NT-proBNP and 2 others will be tested Diet has been changed to Royal Canin Early Cardiac and we will recheck in 3 months. I have sample of dry and canned food

Date Problem Started: 01/15/2019

Concurrent Medical Problem: Yes

Pre Existing Conditions: Anxiety - takes **B6**

Outcome to Date: Stable

Product Information:

Product Name: Wellness Core grain-free ocean fish dry Wellness core grain free turkey, chicken liver & turkey liver canned Wellness Hearty Cuts grain-free in gravy chicken and turkey recipe

Product Type: Pet Food

Lot Number:

Product Use Information: **Description:** Please see diet history

Manufacturer /Distributor Information:

Purchase Location Information:

Animal Information:

Name: **B6**

Type Of Species: Dog

Type Of Breed: Bulldog

Gender: Female

Reproductive Status: Neutered

Weight: 19.8 Kilogram

Age: 8.5 Years

Number of Animals Given the Product: 6

Number of Animals Reacted: 3

Owner Information: **Owner Information provided:** Yes

Contact: **Name:** **B6**

Phone:

Email:

Address: **B6**
United States

Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine

Contact: **Name:** Lisa Freeman
Phone: (508) 887-4523
Email: lisa.freeman@tufts.edu

Address: 200 Westboro Rd
North Grafton
Massachusetts
01536
United States

Sender Information:

Name:	Lisa Freeman
Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu
Permission To Contact Sender:	Yes
Preferred Method Of Contact:	Email

Additional Documents:

Attachment:	rpt_medical_record_preview.pdf
Description:	Med records
Type:	Medical Records

Report Details - EON-380743

ICSR: 2063134
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-02-25 07:58:43 EST

Reported Problem:

Problem Description: Housemate (half sister, [B6]) (ICSR) of 2063133) diagnosed with DCM and CHF so screened by RDVM for BNP which was elevated. Evaluated at Tufts 2/1/19. ARVC/diet-induced DCM with ventricular arrhythmia. Diet changed to Royal Canin Early Cardiac and will re-evaluate in 3 months I have diet sample. 3 other dogs in household (1 had normal BNP, other 2 not yet evaluated)

Date Problem Started: 02/01/2019

Concurrent Medical Problem: Yes

Pre Existing Conditions: Spinal trauma as puppy

Outcome to Date: Stable

Product Information:

Product Name: Wellness CORE Grain-Free Ocean Whitefish dry Wellness Core grain free turkey, chicken liver, and turkey liver formula canned Wellness Core Hearty Cuts grain-free in gravy chicken and turkey recipe

Product Type: Pet Food

Lot Number:

Product Use Information: **Description:** Please see diet history for more info (and refer to [B6] diet history for more complete info - all dogs eat same diets)

Manufacturer /Distributor Information:

Purchase Location Information:

Animal Information:

Name: [B6]

Type Of Species: Dog

Type Of Breed: Bulldog

Gender: Male

Reproductive Status: Neutered

Weight: 22.1 Kilogram

Age: 8 Years

Assessment of Prior Health: Good

Number of Animals Given the Product: 6

Number of Animals Reacted: 3

Owner Information: **Owner Information provided:** Yes

Contact: **Name:** [B6]
Phone: [B6]
Email: [B6]

Address: [B6]
 United States

Healthcare Professional Practice Name: Tufts Cummings School of Veterinary Medicine

	Information:	Contact:	<table border="1"> <tr> <td data-bbox="899 79 1040 120">Name:</td> <td data-bbox="1045 79 1534 120">Lisa Freeman</td> </tr> <tr> <td data-bbox="899 127 1040 168">Phone:</td> <td data-bbox="1045 127 1534 168">(508) 887-4523</td> </tr> <tr> <td data-bbox="899 174 1040 213">Email:</td> <td data-bbox="1045 174 1534 213">lisa.freeman@tufts.edu</td> </tr> <tr> <td data-bbox="899 219 1040 355">Address:</td> <td data-bbox="1045 219 1534 355">200 Westboro Rd North Grafton Massachusetts 01536 United States</td> </tr> </table>	Name:	Lisa Freeman	Phone:	(508) 887-4523	Email:	lisa.freeman@tufts.edu	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States																								
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Description:	Medical record																																		
Type:	Medical Records																																		
Additional Documents:																																			

Report Details - EON-390203

ICSR:	2068095
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-06-11 14:43:13 EDT
Initial Report Date:	02/25/2019
Parent ICSR:	2063135
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	Eating BEG diet - 2 other dogs in household diagnosed with DCM [B6] and [B6] - already reported) RDVM screened this dog with NT-proBNP which was elevated so we evaluated at Tufts 2/20/19 Probable ARVC/diet-associated DCM but no arrhythmia detected (enlarged right ventricle, reduced contractility) Changing diet to Royal Canin Early Cardiac and will re-evaluate in 3 months. Low plasma and whole blood taurine levels - started taurine supplement 3/1/2019 Troponin [B6] 3/8/2019
	Date Problem Started:	02/20/2019
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	[B6]
	Outcome to Date:	Stable

Product Information:	Product Name:	Wellness CORE Grain-Free Ocean Whitefish dry Wellness Core grain free turkey, chicken liver, and turkey liver formula canned Wellness Core Hearty Cuts grain-free in gravy chicken and turkey recipe	
	Product Type:	Pet Food	
	Lot Number:		
	Product Use Information:	Description:	Please see diet history for more info (and also see [B6] diet history for exact diets)
	Manufacturer /Distributor Information:		
	Purchase Location Information:		

Animal Information:	Name:	[B6]
	Type Of Species:	Dog
	Type Of Breed:	Bulldog
	Gender:	Female
	Reproductive Status:	Neutered
	Weight:	24.2 Kilogram
	Age:	[B6] years
	Assessment of Prior Health:	Good
	Number of Animals Given the Product:	6
	Number of Animals Reacted:	4
Owner Information:	Owner Information provided:	Yes
	Contact:	Name: [B6]
		Phone: [B6]

		Email: B6
	Address:	B6 United States
Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine
	Contact Name:	Lisa Freeman
	Phone:	(508) 887-4523
	Email:	lisa.freeman@tufts.edu
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name:	Lisa Freeman
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States
	Contact Phone:	5088874523
	Contact Email:	lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes
	Preferred Method Of Contact:	Email
Additional Documents:	Attachment:	Follow-up med records pt 2.pdf
	Description:	Med records
	Type:	Medical Records
	Attachment:	Follow-up med records pt 1.pdf
	Description:	Med records
	Type:	Medical Records

All Medical Records

Client:
Address:

Patient:
Breed: English Bulldog
DOB:

Species: Canine
Sex: Female
(Spayed)

Home Phone:
Work Phone:
Cell Phone:

Referring Information

Client:
Patient:

Initial Complaint:

Emergency

SOAP Text 9:31PM

Subjective

NEW VISIT (ER)

Doctor:

Student: ---

Presenting complaint: Tachypnea

Referral visit? Yes

Diagnostics completed prior to visit-- radiographs, 2 view thorax, in ER email

HISTORY:

Signalment: 8 yo SF English Bulldog

Current history:

Earlier this afternoon, found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before today. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea. Has recently been doing well at home with no concerns.

Prior medical history: anxiety, otherwise healthy

Current medications: 2mL once daily in PM, had tonight

Diet: Core Wellness, mix of wet and dry, grain free diet

Client: **B6**
Patient:

Vaccination status/flea & tick preventative use: UTD
Travel history: unknown

EXAM: performed with flow by O2

B6

C/V: no murmur or arrhythmia auscultated, difficult to appreciate over increased lung sounds, femoral pulses strong and synchronous
RESP: increased BVS bilaterally, no crackles or wheezes, panting

B6

ASSESSMENT:

A1: Dyspnea-- open for pneumonia vs CHF vs non cardiogenic pulmonary edema vs other

PLAN:

- Diagnostics:
- AFAST/TFAST
- NOVA
- PCV/TS
- CBC
- Chemistry
- Pro BNP

Treatments:

B6

Diagnostics completed:

AFAST/TFAST-- **B6**

NOVA-- **B6**
PCV/TS

Diagnostics pending:

CBC

Client: **B6**
Patient: **B6**

Chemistry
BNP

Client communication:

Confirmed history with owner. Discussed that no apparent murmur and significant structural changes on TFAST, but cannot rule out heart as underlying process. Also concern for pneumonia at this time. Recommended hospitalization for supportive care, O2, diagnostics, cardio consultation and repeat imaging as indicated. O ok with plan.

Deposit & estimate status **B6**

Resuscitation code (if admitting to ICU): **B6**

SOAP approved (DVM to sign): **B6**

SOAP Text **B6** 8:38AM **B6**

SIGNALMENT: 8yo FS English Bulldog

PRESENTING COMPLAINT: dyspnea

HISTORY:

Presented on **B6** after O found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before today. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea. Has recently been doing well at home with no concerns.

Prior medical history: anxiety, otherwise healthy

Current medications: **B6** once daily in PM, had tonight

Diet: Core Wellness, mix of wet and dry, grain free diet

On presentation, P was dyspneic and tachycardic. rDVM rads unable to be assessed as CHF vs. pneumonia, so placed in O2 on **B6** overnight with bloodwork pulled for CBC/Chem and nt-proBNP. Minimal improvement overnight with persistent tachycardia, but excellent appetite and good spirits.

SUBJECTIVE:

B6

C/V: tachycardic with no murmurs or arrhythmias on auscultation. fair pulse quality with pink injected mm and CRT 1sec

RESP: Bilaterally harsh lung sounds with no discernable crackles or wheezes

B6

Client: **B6**
Patient: **B6**

B6

ASSESSMENT:

A1: Dyspnea-- open for pneumonia vs CHF vs non cardiogenic pulmonary edema vs other

PLAN:

B6

Diagnostics completed:

B6

Cardio Consult: DCM, suspect early CHF - add pimobendan and Lasix q8

Diagnostics pending:

BNP
Troponin
Taurine

Deposit & estimate status **B6**

Resuscitation code (if admitting to ICU) **B6**

B6

SOAP Text **B6** 7:43AM - Clinician, Unassigned FHSA

HISTORY:

B6 is an 8.5 yo FS English Bulldog that presented on **B6** for sudden onset dyspnea. O found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea, has been doing well at home with no concerns. Was on Core Wellness dry and wet grain

Client: **B6**
Patient: **B6**

free diet.

On presentation to ER, P was dyspneic and tachycardic. rDVM rads unable to be assessed as CHF vs. pneumonia, so placed in O2 on **B6** overnight with bloodwork pulled for CBC/Chem and nt-proBNP. Minimal improvement overnight on **B6** with persistent tachycardia, but excellent appetite and good spirits. Cardio consult was difficult to assess due to dyspnea and conformation, but showed DCM and suspect CHF.

Overnight, P had normal vitals, with RR 24-36 with no to mild effort in O2 cage. Walked well outside of O2 cage, but at 3:45am after a walk was trembling and anxious in the cage, was given **B6** and calmed after. Excellent appetite this morning. Has received 3 doses of **B6** so far since **B6**

Subjective

B6

H/L: No murmur ausculted although very difficult auscultation due to the constant panting. No obvious arrhythmia either. Jugular pulse bottom 1/3 of the neck. Femoral pulses strong and synchronized with heart beat. Normal BVS bilateral

B6

Diagnostics completed:

B6

Cardio Consult: DCM, suspect early CHF - add: **B6**

Diagnostics pending:

BNP

Client: **B6**
Patient: **B6**

Troponin
Taurine

Assessment (A)

A1: Dyspnea- suspect DCM and early CHF vs less likely pneumonia vs neoplasia

Plan (P)

B6

SOAP completed by: **B6**
SOAP reviewed by: **B6**

Addendum:

-PCV/TS: **B6**
-Chem-: **B6**
-BNP: **B6**

SOAP Text: **B6** 7:28AM - **B6**

HISTORY:

B6 is an 8.5 yo FS English Bulldog that presented on **B6** for sudden onset dyspnea. O found her laying and trembling with shallow and rapid breathing. Owner also noticed that she had a hacking non productive cough. Has not appreciated it before. Went to rDVM where radiographs were performed. No history of heart or pulmonary disease. No recent vomiting or diarrhea, has been doing well at home with no concerns. Was on Core Wellness dry and wet grain free diet.

On presentation to ER, P was dyspneic and tachycardic. rDVM rads unable to be assessed as CHF vs. pneumonia, so placed in O2 of **B6** overnight with bloodwork pulled for CBC/Chem and nt-proBNP. Minimal improvement overnight on **B6** with persistent tachycardia, but excellent appetite and good spirits. Cardio consult was difficult to assess due to dyspnea and conformation, but showed DCM and suspect CHF.

Since yesterday P has been out of oxygen, increased **B6** to TID, and restarted **B6**. Overnight, P had normal vitals, with RR 28-32 with no effort, but panting earlier in the night. Walks well outside, and still has excellent appetite.

Subjective

B6

Client:
Patient:

B6

B6

H/L: No murmur ausculted although very difficult auscultation due to the constant panting. No obvious arrhythmia either. Jugular pulse bottom 1/3 of the neck. Femoral pulses strong and synchronized with heart beat. Normal BVS bilateral

B6

Diagnostics completed:

B6

Cardio Consult: DCM, suspect early CHF - add pimobendan and Lasix q8

B6

Diagnostics pending:

Troponin
Taurine

Assessment (A)

A1: DCM and suspect early CHF vs less likely pneumonia

Plan (P)

B6

Client: B6
Patient:

SOAP completed by: B6
SOAP reviewed by:

Addendum:

B6

Disposition/Recommendations

Client:
Patient:

B6

Client: **B6**
 Patient: **B6**

Cummings
Veterinary Medical Center
 AT TUFTS UNIVERSITY

Foster Hospital for Small Animals

55 Willard Street
 North Grafton, MA 01536
 (508) 839-5395

Client: **B6**
 Veterinarian:
 Patient ID: **B6**
 Visit ID:

Patient: **B6**
 Species: Canine
 Breed: English Bulldog
 Sex: Female (Spayed)
 Age: **B6** Years Old

Lab Results Report

CBC, Comprehensive, Sm Animal **B6** 11:21:12 PM **Accession ID: B6**

Test	Results	Reference Range	Units
WBC (ADVIA)	B6	4.4 - 15.1	K/uL
RBC(ADVIA)		5.8 - 8.5	M/uL
HGB(ADVIA)		13.3 - 20.5	g/dL
HCT(ADVIA)		39 - 55	%
MCV(ADVIA)		64.5 - 77.5	fL
MCH(ADVIA)		21.3 - 25.9	pg
MCHC(ADVIA)		31.9 - 34.3	g/dL
RDW (ADVIA)		11.9 - 15.2	
PLT(ADVIA)		173 - 486	K/uL
MPV (ADVIA)		8.29 - 13.2	fL
PLTCRT		0.129 - 0.403	%
RETIC(ADVIA)		0.2 - 1.6	%
RETICS (ABS) ADVIA		14.7 - 113.7	K/uL

CBC, Comprehensive, Sm Animal **B6** 11:21:26 PM **Accession ID: B6**

Test	Results	Reference Range	Units
GLUCOSE	B6	67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
MAGNESIUM 2+		1.8 - 3	mEq/L



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B6 **B6**

Printed Monday, February 25, 2019

Client: **B6**
 Patient: **B6**

T. PROTEIN	B6	5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L
CHLORIDE		106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
tCO2 (BICARB)		14 - 28	mEq/L
AGAP		8 - 19	
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
GGT		0 - 10	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CK		22 - 422	U/L
CHOLESTEROL		82 - 355	mg/dL
TRIGLYCERIDES		30 - 338	mg/dl
AMYLASE	409 - 1250	U/L	
OSMOLALITY (CALCULATED)	291 - 315	mmol/L	
COMMENTS (CHEMISTRY)		0 - 0	

CBC, Comprehensive, Sm Animal **B6** 11:21:08 PM Accession ID: **B6**

Test	Results	Reference Range	Units
SEGS%	B6	43 - 86	%
LYMPHS%		7 - 47	%
MONOS%		1 - 15	%
SEGS (AB)ADVIA		2.8 - 11.5	K/uL
LYMPHS (ABS)ADVIA		1 - 4.8	K/uL
MONOS (ABS)ADVIA		0.1 - 1.5	K/uL
WBC MORPHOLOGY		0 - 0	
Occasional reactive lymphocytes			
RBC MORPHOLOGY		0 - 0	
POIKILOCYTOSIS		0 - 0	

CBC, Comprehensive, Sm Animal **B6** 11:22:25 PM Accession ID: **B6**

Test	Results	Reference Range	Units
SO2%	B6	94 - 100	%
HCT (POC)		38 - 48	%
HB (POC)		12.6 - 16	g/dL
NA (POC)		140 - 154	mmol/L
K (POC)		3.6 - 4.8	mmol/L



Client: **B6**
 Patient: **B6**

CL(POC)		109 - 120	mmol/L
CA (ionized)		1.17 - 1.38	mmol/L
MG (POC)		0.1 - 0.4	mmol/L
GLUCOSE (POC)		80 - 120	mg/dL
LACTATE		0 - 2	mmol/L
BUN (POC)		12 - 28	mg/dL
CREAT (POC)		0.2 - 2.1	mg/dL
TCO2 (POC)		0 - 0	mmol/L
nCA		0 - 0	mmol/L
nMG		0 - 0	mmol/L
GAP		0 - 0	mmol/L
CA/MG		0 - 0	mol/mol
BEecf		0 - 0	mmol/L
BEb		0 - 0	mmol/L
A		0 - 0	mmHg
NOVA SAMPLE		0 - 0	
FiO2		0 - 0	%
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
PH		7.337 - 7.467	
PCO2		36 - 44	mmHg
PO2		80 - 100	mmHg
HCO3		18 - 24	mmol/L

B6

CBC, Comprehensive, Sm Animal **B6** 1:28:40 PM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)		0 - 0	g/dl
PCV **	B6	0 - 0	%
TS (FHSA)		0 - 0	g/dl

CBC, Comprehensive, Sm Animal **B6** 1:43:18 PM Accession ID: **B6**

Test	Results	Reference Range	Units
GLUCOSE		67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
T. PROTEIN		5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L

B6



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B6

B6

Printed Monday, February 25, 2019

Client: **B6**
Patient: **B6**

CHLORIDE	B6	106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CHOLESTEROL		82 - 355	mg/dL
OSMOLALITY (CALCULATED)		291 - 315	mmol/L

CBC, Comprehensive, Sm Animal **B6** 3:44:46 PM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)	B6	0 - 0	g/dl
PCV **		0 - 0	%
TS (FHSA)		0 - 0	g/dl

CBC, Comprehensive, Sm Animal **B6** 9:46:19 AM Accession ID: **B6**

Test	Results	Reference Range	Units
GLUCOSE	B6	67 - 135	mg/dL
UREA		8 - 30	mg/dL
CREATININE		0.6 - 2	mg/dL
PHOSPHORUS		2.6 - 7.2	mg/dL
CALCIUM2		9.4 - 11.3	mg/dL
T. PROTEIN		5.5 - 7.8	g/dL
ALBUMIN		2.8 - 4	g/dL
GLOBULINS		2.3 - 4.2	g/dL
A/G RATIO		0.7 - 1.6	
SODIUM		140 - 150	mEq/L
CHLORIDE		106 - 116	mEq/L
POTASSIUM		3.7 - 5.4	mEq/L
NA/K		29 - 40	
T BILIRUBIN		0.1 - 0.3	mg/dL
ALK PHOS		12 - 127	U/L
ALT		14 - 86	U/L
AST		9 - 54	U/L
CHOLESTEROL		82 - 355	mg/dL
OSMOLALITY (CALCULATED)		291 - 315	mmol/L
COMMENTS (CHEMISTRY)		0 - 0	

CBC, Comprehensive, Sm Animal **B6** 10:20:57 AM Accession ID: **B6**

Test	Results	Reference Range	Units
TS (FHSA)	B6	0 - 0	g/dl
PCV **		0 - 0	%



Client: **B6**
Patient:

TS (FHSA)

B6

0 - 0

B6



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B6

Printed Monday, February 25, 2019

Vitals Results

1/15/2019 6:41:14 PM	Heart Rate (/min)
1/15/2019 6:41:15 PM	Respiratory Rate
1/15/2019 6:41:16 PM	Temperature (F)
6:41:17 PM	Weight (kg)
11:17:43 PM	Heart Rate (/min)
11:17:51 PM	Respiratory Rate
11:22:41 PM	Notes
11:26:08 PM	FiO2 (%)
1:03:01 AM	Respiratory Rate
2:54:19 AM	Catheter Assessment
2:56:22 AM	Heart Rate (/min)
2:56:33 AM	FiO2 (%)
2:57:15 AM	Respiratory Rate
5:07:52 AM	Respiratory Rate
7:34:37 AM	Eliminations
7:35:59 AM	FiO2 (%)
7:37:34 AM	Temperature (F)
7:37:44 AM	Amount eaten
7:46:29 AM	Respiratory Rate
7:46:58 AM	Heart Rate (/min)
7:47:06 AM	Catheter Assessment
9:13:53 AM	Weight (kg)
9:14:50 AM	Respiratory Rate
11:03:18 AM	FiO2 (%)
11:03:33 AM	Catheter Assessment
11:03:43 AM	Heart Rate (/min)
11:03:52 AM	Respiratory Rate
12:50:07 PM	Lasix treatment note
1:10:13 PM	Respiratory Rate
1:10:22 PM	Eliminations
5:18:03 PM	Catheter Assessment
5:18:20 PM	FiO2 (%)
5:18:55 PM	Respiratory Rate

B6

B6

Client: **B6**
Patient:

Vitals Results

3:20:08 PM	Heart Rate (/min)
4:46:44 PM	Amount eaten
5:41:52 PM	Respiratory Rate
7:04:34 PM	FiO2 (%)
7:04:58 PM	Catheter Assessment
7:06:54 PM	Heart Rate (/min)
7:07:03 PM	Temperature (F)
7:34:10 PM	Weight (kg)
7:34:17 PM	Eliminations
7:45:53 PM	Lasix treatment note
7:46:17 PM	Respiratory Rate
8:55:18 PM	Nursing note
8:55:56 PM	Eliminations
9:53:33 PM	Respiratory Rate
11:31:43 PM	Catheter Assessment
11:32:37 PM	Catheter Assessment
11:34:10 PM	Heart Rate (/min)
11:34:31 PM	Amount eaten
11:49:45 PM	FiO2 (%)
11:49:58 PM	Respiratory Rate
1:55:25 AM	Respiratory Rate
3:35:30 AM	Lasix treatment note
3:37:10 AM	Catheter Assessment
3:45:10 AM	Heart Rate (/min)
3:45:19 AM	Eliminations
3:53:42 AM	FiO2 (%)
3:53:53 AM	Respiratory Rate
4:55:04 AM	Nursing note
5:55:31 AM	Respiratory Rate
6:11:40 AM	Nursing note
7:19:26 AM	Respiratory Rate
7:19:52 AM	FiO2 (%)
7:20:14 AM	Temperature (F)
7:20:30 AM	Heart Rate (/min)
7:20:46 AM	Amount eaten
7:33:19 AM	Weight (kg)
7:33:27 AM	Eliminations
8:01:36 AM	Catheter Assessment
9:32:45 AM	Respiratory Rate

B6

B6

Client:
Patient:

B6

Vitals Results

11:16:45 AM	FiO2 (%)
12:41:34 PM	Catheter Assessment
12:41:43 PM	Respiratory Rate
12:42:33 PM	Heart Rate (/min)
12:42:50 PM	Lasix treatment note
1:52:56 PM	Heart Rate (/min)
3:03:09 PM	FiO2 (%)
3:03:22 PM	Respiratory Rate
3:40:13 PM	Respiratory Rate
3:55:45 PM	Eliminations
5:04:09 PM	Respiratory Rate
5:40:13 PM	Amount eaten
5:52:28 PM	Eliminations
5:54:07 PM	Respiratory Rate
5:54:57 PM	Heart Rate (/min)
5:55:05 PM	Catheter Assessment
6:52:18 PM	Respiratory Rate
7:17:27 PM	Eliminations
7:45:11 PM	Respiratory Rate
8:01:23 PM	Lasix treatment note
8:17:14 PM	Eliminations
8:54:56 PM	Respiratory Rate
9:32:19 PM	Heart Rate (/min)
9:32:26 PM	Catheter Assessment
9:32:35 PM	Eliminations
9:43:25 PM	Respiratory Rate
10:41:18 PM	Respiratory Rate
11:18:27 PM	Eliminations
11:18:49 PM	Weight (kg)
11:42:42 PM	Eliminations
11:53:16 PM	Respiratory Rate
12:52:00 AM	Respiratory Rate
1:22:40 AM	Heart Rate (/min)
1:22:46 AM	Catheter Assessment
1:45:25 AM	Respiratory Rate
2:53:51 AM	Respiratory Rate
3:34:16 AM	Lasix treatment note
3:34:45 AM	Respiratory Rate
3:43:47 AM	Eliminations
4:50:44 AM	Respiratory Rate
4:52:32 AM	Nursing note

B6

B6

Client: **B6**
Patient: **B6**

Vitals Results

B6	5:25:32 AM	Catheter Assessment	B6
	5:27:43 AM	Heart Rate (/min)	
	5:27:50 AM	Respiratory Rate	
	5:28:01 AM	Amount eaten	
	6:42:00 AM	Respiratory Rate	
	7:25:45 AM	Respiratory Rate	
	7:26:00 AM	Weight (kg)	
	7:26:12 AM	Eliminations	
	8:56:03 AM	Respiratory Rate	
	9:47:19 AM	Respiratory Rate	
	9:50:04 AM	Catheter Assessment	
	9:50:22 AM	Heart Rate (/min)	
	11:05:09 AM	Respiratory Rate	
	12:00:28 PM	Respiratory Rate	
	12:00:44 PM	Eliminations	
	12:05:36 PM	Lasix treatment note	
	12:55:52 PM	Respiratory Rate	
	1:55:49 PM	Respiratory Rate	
3:12:43 PM	Respiratory Rate		
3:17:41 PM	Eliminations		
4:02:34 PM	Respiratory Rate		

Patient History

B6	06:41 PM	Vitals	B6
	06:41 PM	Vitals	
	06:41 PM	Vitals	
	06:41 PM	Vitals	
	07:50 PM	UserForm	
	09:52 PM	UserForm	
	11:17 PM	Treatment	
	11:17 PM	Vitals	
	11:17 PM	Treatment	
	11:17 PM	Vitals	
	11:19 PM	Treatment	
	11:21 PM	Purchase	
	11:22 PM	Purchase	
11:22 PM	Purchase		
11:22 PM	Vitals		

Client: **B6**
Patient:

Patient History

11:22 PM	Purchase
11:22 PM	Purchase
11:25 PM	Treatment
11:26 PM	Treatment
11:26 PM	Vitals
11:26 PM	Treatment
11:28 PM	Labwork
12:50 AM	Treatment
12:53 AM	Treatment
01:03 AM	Treatment
01:03 AM	Vitals
02:54 AM	Treatment
02:54 AM	Treatment
02:54 AM	Vitals
02:56 AM	Treatment
02:56 AM	Vitals
02:56 AM	Treatment
02:56 AM	Vitals
02:57 AM	Treatment
02:57 AM	Vitals
05:07 AM	Treatment
05:07 AM	Vitals
07:34 AM	Treatment
07:34 AM	Treatment
07:34 AM	Vitals
07:35 AM	Treatment
07:35 AM	Vitals
07:37 AM	Treatment
07:37 AM	Vitals
07:37 AM	Treatment
07:37 AM	Vitals
07:46 AM	Treatment
07:46 AM	Vitals
07:46 AM	Treatment
07:46 AM	Vitals
07:47 AM	Treatment
07:47 AM	Vitals
08:13 AM	UserForm
08:19 AM	Purchase
08:32 AM	UserForm
08:39 AM	Treatment

B6

B6

Client: **B6**
Patient:

Patient History

	08:45 AM	Prescription	
	08:48 AM	Prescription	
	09:13 AM	Treatment	
	09:13 AM	Vitals	
	09:14 AM	Treatment	
	09:14 AM	Vitals	
	09:34 AM	Purchase	
	09:35 AM	Treatment	
	11:03 AM	Treatment	
	11:03 AM	Vitals	
	11:03 AM	Treatment	
	11:03 AM	Treatment	
	11:03 AM	Vitals	
	11:03 AM	Treatment	
	11:03 AM	Vitals	
	11:03 AM	Treatment	
	11:03 AM	Vitals	
	11:03 AM	Treatment	
	11:03 AM	Vitals	
	11:05 AM	Purchase	
	11:39 AM	Treatment	
	11:41 AM	Treatment	
	12:50 PM	Vitals	
B6	12:52 PM	Treatment	
	12:54 PM	Prescription	
	01:01 PM	Deleted Reason	
	01:10 PM	Treatment	
	01:10 PM	Vitals	
	01:10 PM	Treatment	
	01:10 PM	Vitals	
	01:10 PM	Treatment	
	03:14 PM	Treatment	
	03:17 PM	Treatment	
	03:18 PM	Treatment	
	03:18 PM	Vitals	
	03:18 PM	Treatment	
	03:18 PM	Vitals	
	03:18 PM	Treatment	
	03:18 PM	Vitals	
	03:20 PM	Treatment	
	03:20 PM	Vitals	
	04:14 PM	UserForm	
	04:46 PM	Treatment	

B6

Client: **B6**
Patient:

Patient History

B6	04:46 PM	Vitals	B6
	05:14 PM	Deleted Reason	
	05:14 PM	Deleted Reason	
	05:15 PM	Purchase	
	05:15 PM	Purchase	
	05:41 PM	Treatment	
	05:41 PM	Vitals	
	07:04 PM	Treatment	
	07:04 PM	Vitals	
	07:04 PM	Treatment	
	07:04 PM	Treatment	
	07:04 PM	Vitals	
	07:06 PM	Treatment	
	07:06 PM	Vitals	
	07:07 PM	Treatment	
	07:07 PM	Vitals	
	07:34 PM	Treatment	
	07:34 PM	Vitals	
	07:34 PM	Treatment	
	07:34 PM	Vitals	
	07:45 PM	Vitals	
	07:46 PM	Treatment	
	07:46 PM	Treatment	
	07:46 PM	Vitals	
	08:31 PM	Treatment	
	08:55 PM	Vitals	
	08:55 PM	Vitals	
	09:53 PM	Treatment	
	09:53 PM	Vitals	
	11:07 PM	Purchase	
	11:07 PM	Purchase	
	11:21 PM	Treatment	
11:31 PM	Treatment		
11:31 PM	Vitals		
11:32 PM	Treatment		
11:32 PM	Vitals		
11:34 PM	Treatment		
11:34 PM	Treatment		
11:34 PM	Vitals		
11:34 PM	Treatment		
11:49 PM	Treatment		
11:49 PM	Treatment		

Client: **B6**
Patient:

Patient History

1:49 PM	Vitals
1:49 PM	Treatment
1:49 PM	Vitals
01:55 AM	Treatment
01:55 AM	Vitals
03:05 AM	Treatment
03:35 AM	Vitals
03:37 AM	Treatment
03:37 AM	Treatment
03:37 AM	Vitals
03:45 AM	Treatment
03:45 AM	Vitals
03:45 AM	Treatment
03:45 AM	Vitals
03:45 AM	Vitals
03:45 AM	Vitals
03:53 AM	Treatment
03:53 AM	Vitals
03:53 AM	Treatment
03:53 AM	Vitals
04:50 AM	Treatment
04:55 AM	Treatment
04:55 AM	Vitals
05:55 AM	Treatment
05:55 AM	Vitals
06:03 AM	Treatment
06:11 AM	Vitals
07:19 AM	Treatment
07:19 AM	Vitals
07:19 AM	Treatment
07:19 AM	Vitals
07:20 AM	Treatment
07:20 AM	Treatment
07:20 AM	Vitals
07:20 AM	Treatment
07:20 AM	Vitals
07:20 AM	Treatment
07:20 AM	Vitals
07:33 AM	Treatment
07:33 AM	Vitals
07:33 AM	Treatment
07:33 AM	Vitals
08:01 AM	Treatment
08:01 AM	Vitals
08:01 AM	Treatment

B6

B6

Client:
Patient:

B6

Patient History

08:46 AM	Purchase
09:32 AM	Treatment
09:32 AM	Vitals
09:46 AM	Purchase
10:50 AM	Purchase
10:51 AM	Treatment
11:05 AM	Purchase
11:16 AM	Treatment
11:16 AM	Vitals
12:41 PM	Treatment
12:41 PM	Vitals
12:41 PM	Treatment
12:41 PM	Vitals
12:42 PM	Treatment
12:42 PM	Vitals
12:42 PM	Vitals
12:43 PM	Treatment
12:46 PM	Treatment
01:43 PM	Purchase
01:52 PM	Treatment
01:52 PM	Vitals
03:03 PM	Treatment
03:03 PM	Vitals
03:03 PM	Treatment
03:03 PM	Vitals
03:40 PM	Vitals
03:46 PM	Labwork
03:50 PM	Treatment
03:53 PM	Prescription
03:55 PM	Treatment
03:55 PM	Vitals
05:04 PM	Treatment
05:04 PM	Vitals
05:09 PM	Treatment
05:09 PM	Treatment
05:40 PM	Treatment
05:40 PM	Vitals
05:52 PM	Vitals
05:54 PM	Treatment
05:54 PM	Vitals
05:54 PM	Treatment
05:54 PM	Vitals
05:55 PM	Treatment
05:55 PM	Vitals
06:48 PM	Prescription

B6

B6

Client: **B6**
Patient:

Patient History

B6

06:52 PM Treatment
06:52 PM Vitals
06:52 PM Treatment
07:17 PM Vitals
07:27 PM Treatment

07:45 PM Treatment
07:45 PM Vitals
08:01 PM Vitals
08:01 PM Treatment
08:17 PM Vitals
08:27 PM Treatment

08:54 PM Treatment
08:54 PM Vitals
09:13 PM Treatment
09:32 PM Treatment
09:32 PM Vitals
09:32 PM Treatment
09:32 PM Vitals
09:32 PM Vitals
09:43 PM Treatment
09:43 PM Vitals
10:41 PM Treatment
10:41 PM Vitals
11:07 PM Purchase
11:07 PM Purchase
11:18 PM Treatment
11:18 PM Vitals
11:18 PM Vitals
11:42 PM Vitals
11:53 PM Treatment
11:53 PM Vitals
12:52 AM Treatment
12:52 AM Vitals
01:21 AM Treatment
01:22 AM Treatment
01:22 AM Vitals
01:22 AM Treatment
01:22 AM Vitals
01:45 AM Treatment
01:45 AM Vitals
02:53 AM Treatment
02:53 AM Vitals
03:34 AM Vitals
03:34 AM Treatment
03:34 AM Treatment
03:34 AM Vitals
03:34 AM Treatment

B6

Client: **B6**
Patient:

Patient History

B6	03:35 AM	Treatment	B6
	03:43 AM	Treatment	
	03:43 AM	Vitals	
	04:50 AM	Treatment	
	04:50 AM	Vitals	
	04:52 AM	Vitals	
	05:25 AM	Treatment	
	05:25 AM	Vitals	
	05:25 AM	Treatment	
	05:27 AM	Treatment	
	05:27 AM	Vitals	
	05:27 AM	Treatment	
	05:27 AM	Vitals	
	05:28 AM	Treatment	
	05:28 AM	Vitals	
	06:41 AM	Treatment	
	06:42 AM	Vitals	
	07:25 AM	Treatment	
	07:25 AM	Vitals	
	07:26 AM	Treatment	
	07:26 AM	Vitals	
	07:26 AM	Treatment	
	07:26 AM	Vitals	
	07:26 AM	Vitals	
	08:56 AM	Treatment	
	08:56 AM	Vitals	
	09:31 AM	UserForm	
	09:39 AM	Purchase	
	09:47 AM	Treatment	
	09:47 AM	Vitals	
09:50 AM	Treatment		
09:50 AM	Vitals		
09:50 AM	Treatment		
09:50 AM	Vitals		
09:50 AM	Treatment		
10:21 AM	Labwork		
11:05 AM	Purchase		
11:05 AM	Treatment		
11:05 AM	Vitals		
11:25 AM	Treatment		
11:25 AM	Treatment		
11:48 AM	Purchase		
11:48 AM	Treatment		
12:00 PM	Treatment		
12:00 PM	Vitals		

Client: **B6**
Patient:

Patient History

B6	12:00 PM	Treatment	B6
	12:00 PM	Vitals	
	12:05 PM	Vitals	
	12:05 PM	Treatment	
	12:55 PM	Treatment	
	12:55 PM	Vitals	
	01:01 PM	Treatment	
	01:55 PM	Treatment	
	01:55 PM	Vitals	
	03:12 PM	Treatment	
	03:12 PM	Vitals	
	03:17 PM	Treatment	
	03:17 PM	Treatment	
	03:17 PM	Vitals	
	03:55 PM	Prescription	
	03:56 PM	Prescription	
	04:02 PM	Treatment	
	04:02 PM	Vitals	
	04:02 PM	Prescription	
	04:03 PM	Prescription	
04:20 PM	Purchase		
12:52 PM	Appointment		

B6

B6

B6

Female (Spayed)

Canine English Bulldog Brown/White

Patient ID: B6

STANDARD CONSENT FORM

I am the owner, or agent for the owner, of the above described animal and have the authority to execute consent. I hereby authorize the Cummings School of Veterinary Medicine at Tufts University (herein after Cummings School) to prescribe for treatment of said animal according to the following terms and conditions.

Cummings School and its officers, agents and employees will provide such veterinary medical care as they deem reasonable and appropriate under the circumstances.

Cummings School and its officers, agents, and employees will use all reasonable care in the treatment of the above mentioned animal, but will not be liable for any loss or accident that may occur or any disease that may develop as a result of the care and treatment provided.

I understand that the above identified animal may be treated by Cummings School students under the supervision and assistance of Cummings School staff members.

In executing this form, I hereby expressly acknowledge that risks, benefits and alternative forms of treatment have been explained to me. I understand said explanation, and I consent to treatment. Should any additional treatments or diagnostics be required during the continued care of my animal, I understand that I will be given the opportunity to discuss and consent to these additional procedures. I understand that further or additional treatment may be required without an opportunity for discussion and consideration by me, in the case of the development of any life-threatening emergency during the continued care of my animal and I expressly consent to all such reasonable treatment as required. I realize and understand that results cannot be guaranteed.

If any equipment is left with the animal, it will be accepted with the understanding that Cummings School assumes no responsibility for any loss of equipment that may occur.

I agree to pick up the animal when notified that it is ready for release.

In the event the animal is not picked up, and if ten (10) days have expired since a registered letter was sent to the address given above, notifying me to call for the animal, the animal may be sold or otherwise disposed of in a humane manner and the proceeds applied to the charges incurred in caring and treating the animal. Failure to remove said animal will not and does not relieve me from obligation for the costs of services rendered.

I hereby grant to the Cummings School of Veterinary Medicine at Tufts University, its officers and employees (collectively referred to herein as Cummings School), and its agents and assigns (the Grantees) the irrevocable rights to photograph / videotape the operation or procedure to be performed, including appropriate and otherwise use such photographs and images for, and in connection with, a Grantee's medical, scientific, educational, and publicity purposes, by any means, methods and media (print and electronic) now known or, in the future, developed that the Grantee deems appropriate (provided that such photographs and images may not be used in for-profit commercials, unless such commercials are publicizing educational programs at Cummings School). As medical and surgical treatment necessitates the removal of tissue, cells, fluids or body parts of my animal, I authorize the Grantees to dispose of or use these tissues, cells, fluids or body parts for scientific and educational purposes.

I understand that a FINANCE CHARGE will be applied to all accounts unpaid after 30 days. The FINANCE CHARGE is computed on a monthly rate of 1.33% per month, which is an annual percentage rate of 16% applied to the average daily balance outstanding, with a minimum fee of \$.50.

I do further agree that should any payment, or the full amount of the sum stated above, become overdue more than 20 days from the above-agreed upon time of payment or payments, the entire balance shall be considered in default and become due and payable. I further agree to be responsible for any or all collection agency and/or attorney fees necessary to collect the full amount.

I do further agree to comply with hours of visitation in conjunction with our Hospital's policy.

I have read, understand, and agree to accept the terms and conditions herein.

Owner's name: B6

Date: B6

Owner's address: B6

B6

B6
Date: 1/1/12

If the individual admitting the animal is someone other than the legal owner, please complete the portion below:

The owner of the animal B6 has granted me authority to obtain medical treatment and to bind this owner to pay the veterinary medical services provided at Cummings School pursuant to the terms and conditions described above.

Authorized Agent - Please Print

Agent's Signature

Street Address

Date

Town/City State Zip

Treatment Plan

Estimated Charges

B6

B6

This estimate is based upon our preliminary examination. This is an estimate and is not the final bill. Every effort will be made to keep you informed of the current status of your bill throughout your animal's hospitalization. The final fee may vary considerably from this estimated cost.

Patient	Description	Low Qty	Low Extended	High Qty	High Extended
---------	-------------	---------	--------------	----------	---------------

B6

B6

Doctor of Record: B6

B6

I understand that no guarantee of successful treatment is made. I certify that I have read and fully understand the authorization for medical and/or surgical treatment, the reason for why such medical and/or surgical treatment is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to this patient(s). I agree to pay 75% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when this patient(s) is released.

Procedural billing is inclusive up to and including the estimated duration of hospitalization. There will be additional expenses if hospitalization extends beyond the specified duration. I have read, understand, and agree to accept the conditions of this treatment plan.

Thank you for entrusting us with your pet's care.

Radiology Request & Report

Patient

Name: B6
Species: Canine
Brown/White Female (Spayed)
English Bulldog
Birthdate: B6

Owner

Name: B6
Address: B6
B6

Patient ID: B6
Date of request: B6

Attending Clinician: B6

Student:

Date of exam: B6

Patient Location: Ward/Cage: ICU 02

Weight (kg) 19.80

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

Sedation

- BAG
- OBAG
- 1/2 dose OBAG
- Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: 3-view thorax (prioritize VD/DV and L lat)

Presenting Complaint and Clinical Questions you wish to answer:
Emergency

Pertinent History:
acute onset dyspnea, no known hx - pneumonia vs CHF

Findings:
THORAX, THREE VIEWS:

B6

Conclusions:

- Diffuse bronchial and interstitial pulmonary pattern may indicate concurrent chronic lower airway disease (allergic, infectious, or parasitic) and interstitial lung disease. Airway sampling can be considered.
- Mild cardiomegaly and left atrial enlargement without evidence of decompensation. Echocardiography can be considered (to evaluate mitral valve and to evaluate for pulmonary hypertension).
- Multifocal intervertebral disk disease and breed-associated vertebral anomalies.
- Moderate bilateral elbow and right stifle degenerative joint disease.

Radiologists

Primary:

Reviewing:

Dates

Reported:

Finalized:

Discharge Instructions

Patient

Name: B6

Species: Canine

Brown/White Female (Spayed) English

Bulldog

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: B6

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student: B6

Admit Date: B6 7:49:24 PM

Discharge Date: B6

Diagnoses: Dilated cardiomyopathy (DCM) with congestive heart failure

Diagnostic test results and findings:

- o **Chest radiograph (x-ray) findings:** The heart is enlarged and there was suspected fluid in the lungs
- o **Echocardiogram findings:** All chambers of the heart are enlarged and there is decreased contractile function.
- o **ECG findings:** The ECG showed a normal sinus rhythm
- o **Labwork findings:** The kidney values are normal, but an indicator of heart damage was elevated (NT-proBNP)

Case summary:

Thank you for bringing B6 to Tufts for evaluation of her heart disease. B6 originally presented to the Tufts ER on B6 for sudden onset of respiratory distress and a cough. B6 was stabilized with supplemental oxygen in the ICU and was given antibiotics and mild sedatives to keep her comfortable. X-rays of B6 chest showed a diffuse increased opacity in her lungs that was suspected to be fluid secondary to heart disease, but pneumonia could not be ruled out. A cardiology workup showed that B6 had enlargement of her heart chambers, and a blood test showed that one of the indicators of heart stretch was elevated, thus supporting the presence of heart disease.

B6 has been diagnosed with a primary heart muscle disease called dilated cardiomyopathy (DCM). This disease is more common in large and giant breed dogs and is characterized by thinning of the walls of the heart, reduced cardiac pump function, and enlargement of the upper chambers of the heart. Many dogs with DCM will also have significant arrhythmias

which can be life-threatening and also require medical management. The heart enlargement has now progressed to the point of congestive heart failure, meaning that fluid is backing up into the lungs or belly. Unfortunately this is a progressive disease and we cannot reverse the changes to the heart muscle, however we can use cardiac medications and some changes to the diet to make **B6** comfortable and have her breathing easier.

B6 has been breathing well outside of the oxygen cage, and her recheck examinations, echocardiograms, and chest x-rays have been stable. At this time we are happy with her condition, and are comfortable to send her home.

Monitoring at home:

- o We would like you to monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- o In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 to 40 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.
- o An increase in breathing rate or effort will usually mean that you should give an extra dose of **B6** if difficulty breathing is not improved by within 30-60 minutes after giving extra **B6** then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.
- o There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<https://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- o We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- o If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

Recommended Medications:

B6

B6

Diet suggestions:

Dogs with heart failure accumulate more fluid in their body if they eat large amounts of sodium (salt). Sodium can be found in all foods, but some foods are lower in sodium than others. Many pet treats, people foods, and supplements used to give pills often have more sodium than is desirable - a sheet that has suggestions for low sodium treats can be found on the HeartSmart web site (<http://vet.tufts.edu/heartsmart/diet/>)

Your dog's usual diet may also have more sodium than recommended - we want her to continue to eat her normal diet for the first 7 to 14 days so we can make sure she is tolerating medications well, but after that time we would recommend slowly introducing one of the lower sodium diets on the HeartSmart list (25% of the new diet and 75% old diet for 2-3 days, then 50/50, etc.). Hopefully you can find a diet on the list that your dog likes to eat.

The FDA is currently investigating an apparent association between diet and DCM. The exact cause is still unclear, but it appears to be associated with boutique diets and those containing exotic ingredient or are grain-free. Therefore, we are currently recommending that dogs do not eat these types of diets.

We recommend switching B6 to commercial diet made by a well-established company that is not grain-free and does not contain any exotic ingredients, such as kangaroo, duck, lamb, venison, lentils, peas, beans, buffalo, tapioca, barley, and chickpeas.

The FDA issued a statement regarding this issue

(<https://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm613305.htm>) and a recent article published by Dr. Lisa Freeman on the Cummings School's Petfoodology blog can further explain these findings

(<http://vetnutrition.tufts.edu/2018/06/a-broken-heart-risk-of-heart-disease-in-boutique-or-grain-free-diets-and-exotic-ingredients/>).

Our nutritionists have compiled a list of dog foods that are good options for dogs with heart disease

Dry Food Options:

Royal Canin Early Cardiac (veterinary diet)

Royal Canin Bower

Purina Pro Plan Adult Weight Management

Purina Pro Plan Bright Mind Adult Small Breed Formula

Canned Food Options:

Hill's Science Diet Adult Beef and Barley Entree

Hill's Science Diet Adult 1-6 Healthy Cuisine Roasted Chicken, Carrot, and Spinach Stew

Royal Canin Mature 8+

If your dog has special nutritional needs or requires a homecooked diet, we recommend you schedule an appointment with our nutritionists (508-887-4696).

Exercise Recommendations:

For the first 7 to 10 days after starting medications for heart failure we recommend very limited activity. Leash walking only is ideal, and short walks to start. Once the heart failure is better controlled, then slightly longer walks are acceptable.

However, if you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

Recheck Visits:

A recheck visit is recommended in 1-2 weeks after any medication adjustments are made. At this visit we will check your dog's breathing effort and heart function, do a blood test to recheck kidney values, and probably recheck a blood pressure.

A recheck echocardiogram is recommended in 3-4 months.

Thank you for entrusting us with B6 care, she is such a spirited girl! Please contact our Cardiology liaison at (508)-887-4696 or email us at cardiovet@tufts.edu for scheduling and non-emergent questions or concerns.

Sincerely,

B6

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

Prescription Refill Disclaimer:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: vet.tufts.edu/cvmu/clinical-studies

Case: B6

Owner: B6

Discharge Instructions

Radiology Request & Report

Patient

Name: B6
Species: Canine
Brown/White Female (Spayed)
English Bulldog
Birthdate: B6

Owner

Name: B6
Address: B6
B6

Patient ID: B6
Date of request: B6

Attending Clinician: B6

Student: B6

Date of exam: B6

Patient Location: Ward/Cage: Cardio, ICU

Weight (kg) 19.60

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

Sedation

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: 2 view CXR- DV and R lateral

****TECHS TO HANDLE ONLY****- be careful due to dyspnea, do not stress further if dyspneic

Presenting Complaint and Clinical Questions you wish to answer:

Recheck rads for CHF before discharge

Pertinent History:

DCM, suspected CHF on rads B6

Findings:

B6

B6

Conclusions:

- Improving interstitial pulmonary pattern is consistent with response to medical management.
- Unchanged mild cardiomegaly and similar to mildly improved left atrial enlargement.
- Unchanged multifocal intervertebral disk disease and breed-associated vertebral anomalies.
- Unchanged moderate bilateral elbow degenerative joint disease.

Radiologists

Primary: [REDACTED] B5

Reviewing:

Dates

Reported: [REDACTED] B6

Finalized:

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY
Cardiology Liaison: 508-887-4696

B6

Patient ID: **B6**

B6 Canine

B6 years Old Female (Spayed) English
Bulldog

Brown/White BW: Weight (kg) 19.80

Cardiology Inpatient ENROLLED IN DCM STUDY

Date: **B6**

Weight: Weight (kg) 19.80

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Thoracic radiographs available for review?

- Yes - in SS
- Yes - in PACS
- No

Patient location:

ICU O2 5/6

Presenting complaint and important concurrent diseases:

Presenting for new onset dyspnea, radiographs unintelligible between pneumonia and CHF. Persistent sinus tachycardia overnight

Current medications and doses:

B6

At-home diet: (name, form, amount, frequency)

Core Wellness grain-free wet + dry

Key indication for consultation: (murmur, arrhythmia, needs fluids, etc.)

dyspnea, contiguous B-lines

Questions to be answered:

fluid vs. lasix

Is your consult time-sensitive? (e.g., anesthesia today, owner waiting, trying to get biopsy today)

- Yes (explain):

No

STOP - remainder of form to be filled out by Cardiology

Physical Examination

B6

Muscle condition:

- Normal
- Mild muscle loss
- Moderate cachexia
- Marked cachexia

Cardiovascular Physical Exam

Murmur Grade: Very hard to listen due to the marked dyspnea and referred upper airway.

- None
- I/VI
- II/VI
- III/VI
- IV/VI
- V/VI
- VI/VI

Murmur location/description:

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck
- Top 2/3 of the neck
- 1/2 way up the neck

Arterial pulses: n/a

- Weak
- Fair
- Good
- Strong
- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other (describe):

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats
- Bradycardia
- Tachycardia

Gallop:

- Yes
- No
- Intermittent
- Pronounced
- Other:

Pulmonary assessments:

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds
- Pulmonary Crackles
- Wheezes
- Upper airway stridor
- Other auscultatory findings:

Abdominal exam: n/a

- Normal
- Hepatomegaly

- Abdominal distension
- Mild ascites

Echocardiogram Findings:

B6

Assessment and recommendations:

Despite the poor quality of the echocardiogram pictures obtained today, we suspect the patient to have DCM with moderate to marked LA enlargement. The radiographs are very hard to interpret, typical for bulldog radiographs, but we suspect CHF to be one of the main differential despite the atypical pattern visualized. Treatment for HF should be initiated and improvement of the clinical condition would be a vote in favor for CHF. B6 treatment should be continued since pneumonia cannot be completely rule out. B6 as given during the echocardiogram and we would recommend continuing with at least 2 mg/kg IV TID overnight. B6 should be started as well. The patient was enrolled in Dr. Freeman's study due to its current grain free diet and blood was pulled today for the study. The patient, once more stable, should be started on taurine at home as well. An NT-proBNP was pulled and will be very interesting in order to better assess the cardiovascular status of the patient since there is still some suspicions that the changes seen on radiographs are not all secondary to CHF. An ACEI should be started long term as well. Chest radiographs could be repeated tomorrow after the

patient has received some **B6** improvement of the interstitial pattern would confirm the suspected diagnosis of CHF versus no changes of the interstitial pattern would be more in favor of another disease process. A recheck echocardiogram should be repeated as well tomorrow once the patient is more stable in order to confirm today's findings. Bloodwork should be repeated tomorrow as well as 10-14 days after the start of the cardiac medications. Full recheck echocardiogram is recommended in 3 months or sooner if the patient develops clinical signs consistent with worsening heart disease.

Addendum:

Patient's NT-proBNP was **B6**. A good improvement was noted with CHF treatment and recheck radiographs revealed improvement of the previously diagnosed interstitial pattern. The patient is scheduled to go home today with a recheck in 7-10 days.

Final Diagnosis:

- Suspected DCM with moderate to marked LA enlargement and suspected CHF.

Heart Failure Classification Score:

ISACHC Classification:

- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM CHF Classification:

- A
- B1
- B2
- C
- D

M-Mode

IVSd	cm
LVIDd	cm
LVPWd	cm
IVSs	cm
LVIDs	cm
LVPWs	cm
EDV(Teich)	ml
ESV(Teich)	ml
EF(Teich)	%
%FS	%
SV(Teich)	ml

B6

M-Mode Normalized

IVSdN	{0.290 - 0.520}
LVIDdN	{1.350 - 1.730} !
LVPWdN	{0.330 - 0.530}
IVSsN	{0.430 - 0.710}
LVIDsN	{0.790 - 1.140} !
LVPWsN	{0.530 - 0.780}

2D

SA LA	cm
-------	----

Ao Diam
SA LA / Ao Diam
IVSd
LVIDd
LVPWd
EDV(Teich)
IVSs
LVIDs
LVPWs
ESV(Teich)
EF(Teich)
%FS
SV(Teich)
IVSd
LVIDd
EDV(Teich)
LVPWd

B6

cm
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ml
cm

Cummings

Veterinary Medical Center

AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01936
Telephone: (508) 839-5395
Fax: (508) 839-7951
<http://vetmed.tufts.edu/>
Referring Vet Direct Line: 508-887-4988

Notice of Patient Admit

Date: B6 7:49:24 PM

Case No.: B6

Referring Doctor: B6

Client Name: B6

Patient Name:

B6

Dear B6

Your patient presented to our Emergency service. Please make note of the following information to facilitate communication with our team.

The attending doctor is: B6,

The reason for admission to the FHSA is: Dyspnea (pneumonia > CHF)

If you have any questions regarding this particular case, please call 508-887-4988 to reach the ICU Service. Information is updated daily, by noon.

Thank you for your referral to our Emergency Service.

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/Chloe>

B6

B6
B6 Female (Spayed)
Canine English Bulldog
Brown/White
B6

Daily Update From the Cardiology Service

Today's date: **B6**
Dear **B6**

Thank you for referring patients to the Foster Hospital for Small Animals at the Cummings School of Tufts University.

Your patient **B6** was admitted and is being cared for by the Cardiology Service.

Today **B6**

- is in stable condition
- is still in the oxygen cage
- is critically ill
- discharged from the hospital today

Today's treatments include:

- bloodwork planned/pending
- echocardiography - DCM and L-CHF
- cardiac catheter procedure planned
- ongoing treatment for CHF
- ongoing treatment for thrombosis
- ongoing treatment for arrhythmia

Additional plans:

Please allow 3-5 business days for reports to be finalized upon patient discharge.

Please call (508) 887-4696 before 5pm or email us at cardiovet@tufts.edu if you have any questions.
Thank you!

Attending Clinician: **B6**

Faculty Clinician: John Rush DVM, DACVIM, DACVECC

Senior student:

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

B6

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

B6

B6 Female (Spayed)

Canine: English Bulldog

Brown/White

B6

1/21/2019

Dear [B6]

Thank you for referring [B6] with their pet [B6]

If you have any questions, or concerns, please contact us at 508-887-4988.

Thank you,

[B6]

Report Details - EON-388261

ICSR: 2067185
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-05-20 11:59:16 EDT

Reported Problem:

Problem Description: Patient was switched to a boutique grain-free diet in January 2017. [B6] presented to local ER facility for lethargy, wheezing, coughing, polydipsia, and a distended abdomen. An echo was performed and patient was diagnosed with DCM, TVD, 3+ TR, 2+ MR, ventricular arrhythmias (isolated VPCs, ventricular bigeminy), R-CHF (mild ascites w/ hepatic vein distension). Patient was referred to Tufts for further evaluation. Cardiac examination at Tufts revealed similar findings - during echo and ECG patient was having isolated VPCs and one 8 beat run of ventricular tachycardia. A supraventricular arrhythmia was also observed which was believed to be atrial fibrillation d/t no clear P waves with some irregularity. Patient did very well during exam and owners were brought into treatment area to review findings with the cardiologist. Upon owners entering the room, [B6]

[B6] Owner's gave permission to obtain cardiac organs/tissues for research purposes.

Date Problem Started: [B6]

Concurrent Medical Problem: Yes

Pre Existing Conditions: Feb 2017 - Patient was diagnosed with dietary hypersensitivity and mild-moderate IBD characterized by frequent regurgitation, low B12 and consistent w/ findings on surgical biopsies of the stomach and duodenum. Patient's diet was switched to a grain-free boutique diet, Health Extension turkey and chicken in January 2017. Patient has been otherwise very healthy with no other health issues or concerns.

Outcome to Date: Died Euthanized

Date of Death: [B6]

Product Information:

Product Name: Health Extension Grain Free Chicken and Turkey Dry Dog Food

Product Type: Pet Food

Lot Number:

Package Type: BAG

Package Size: 23.5 Pound

Possess Unopened Product: No

Possess Opened Product: Yes

Product Use Information:

First Exposure Date:	01/01/2017
Time Interval between Product Use and Adverse Event:	29 Months
Product Use Stopped After the Onset of the Adverse Event:	No
Other Foods or	Yes

		Products Given to the Animal During This Time Period:	
	Manufacturer /Distributor Information:		
	Purchase Location Information:		
Animal Information:	Name:		
	Type Of Species:	Dog	
	Type Of Breed:	Boxer (German Boxer)	
	Gender:	Male	
	Reproductive Status:	Neutered	
	Weight:	32 Kilogram	
	Age:	B6	
	Assessment of Prior Health:	Excellent	
	Number of Animals Given the Product:	1	
	Number of Animals Reacted:	1	
	Owner Information:	Owner Information provided:	Yes
		Contact: Name:	B6
		Phone:	
		Address:	B6
			United States
	Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine
		Contact: Name:	B6
		Phone:	
		Email:	
		Address:	200 Westboro Road North Grafton Massachusetts 01536 United States
		Practice Name:	Tufts Univeristy - Cummings School of Veterinary Medicine
		Contact: Name:	Lisa Freeman
		Phone:	508 887 4523
		Type of Veterinarian:	Referred veterinarian
		Permission to Release Records to FDA:	Yes
Sender Information:	Name:	B6	
	Address:	200 Westboro Road North Grafton Massachusetts 01536 United States	
	Contact: Phone:	B6	

Email: **B6**

Permission To Contact Sender: Yes
Preferred Method Of Contact: Email
Reported to Other Parties: None

Additional Documents:

Attachment:	med rec 1.pdf
Description:	medical record pt 1
Type:	Medical Records
Attachment:	ECG B6 pdf
Description:	ECG
Type:	Medical Records
Attachment:	B6 pdf
Description:	lab results
Type:	Laboratory Report
Attachment:	med rec 2.pdf
Description:	medical record pt 2
Type:	Medical Records
Attachment:	Diet Hx B6 pdf
Description:	diet history
Type:	Medical Records

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

B6

B6 Canine
Years Old Male (Neutered) Labrador
Retriever
Black

Cardiology Appointment Report

Date: 8/17/2018

Attending Cardiologist:

John E. Rush, DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student:

Presenting Complaint:

Re-check DCM with history of CHF

Concurrent Disease

Chronic GI issue (undiagnosed)

General Medical History:

O think that he is doing well. Ever since May has been showing signs of improvement. Better appetite, increase energy and feel happier.

Diet and Supplements:

probiotics BID.

Merick grain free diet (been on grain free for his whole life)

Cardiovascular History:

Prior CHF diagnosis? yes

Prior heart murmur? difficult to hear due to panting

Prior ATE? no

Prior arrhythmia? VPC, ventricular bigeminy

Monitoring respiratory rate and effort at home? no increase been around 35, only happen when exercise (50-60) restricting him to 15 min walk.

Cough? very little, less than last april 1-2 a week
Shortness of breath or difficulty breathing? no
Syncope or collapse? no
Sudden onset lameness? no
Exercise intolerance? yes, 15min walk now.

Current Medications Pertinent to CV System:

B6

Cardiac Physical Examination:

B6

Muscle condition:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Normal | <input type="checkbox"/> Moderate cachexia |
| <input type="checkbox"/> Mild muscle loss | <input type="checkbox"/> Marked cachexia |

Cardiovascular Physical Exam:

Murmur Grade:

- | | |
|---|--------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> IV/VI |
| <input type="checkbox"/> I/VI | <input type="checkbox"/> V/VI |
| <input checked="" type="checkbox"/> II/VI | <input type="checkbox"/> VI/VI |
| <input type="checkbox"/> III/VI | |

Murmur location/description: left apical

Jugular vein:

- Bottom 1/3 of the neck
- Middle 1/3 of the neck

- 1/2 way up the neck
- Top 2/3 of the neck

Arterial pulses:

- Weak
- Fair
- Good
- Strong

- Bounding
- Pulse deficits
- Pulsus paradoxus
- Other:

Arrhythmia:

- None
- Sinus arrhythmia
- Premature beats

- Bradycardia
- Tachycardia

Gallop:

- Yes
- No
- Intermittent

- Pronounced
- Other:

Pulmonary assessments: difficult to assess since **panting continuously**

- Eupneic
- Mild dyspnea
- Marked dyspnea
- Normal BV sounds

- Pulmonary crackles
- Wheezes
- Upper airway stridor

Abdominal exam:

- Normal
- Hepatomegaly
- Abdominal distension

- Mild ascites
- Marked ascites

Problems:

DCM, history of CHF

Differential Diagnoses:

Diagnostic plan:

- Echo cardiogram
- Chemistry profile
- ECG
- Renal profile
- Blood pressure

- Dialysis profile
- Thoracic radiographs
- NT-proBNP
- Troponin I
- Other tests:

Echocardiogram Findings:

B6

Doppler findings:

B6

Mitral inflow:

- Summated
- Normal
- Delayed relaxation

- Pseudonormal
- Restrictive

ECG findings:

B6

Assessment and recommendations:

There appears to be some progression in the heart disease, although the patient appears to be breathing better on the current medication regimen. The frequency of VPCs has increased, so we would like to start B6 Continue to monitor attitude and respiratory pattern at home. The owner will be talking to the nutrition service to change the diet to a non-grain free diet. Recheck ECG, echocardiogram in 3-4 months.

Final Diagnosis:

DCM with history of CHF

Heart Failure Classification Score:

ISACHC Classification:

- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM Classification:

- A
- B1
- B2
- C
- D

M-Mode

IVSd		cm
LVIDd		cm
LVPWd		cm
IVSs		cm
LVIDs		cm
LVPWs		cm
%FS		%
Ao Diam		cm
LA Diam		cm
LA/Ao		
Max LA		cm
EPSS		cm

B6

M-Mode Normalized

IVSdN	(0.29 - 0.52) !
LVIDdN	(1.35 - 1.73) !
LVPWdN	(0.33 - 0.53)
IVSsN	(0.43 - 0.71)
LVIDsN	(0.79 - 1.14) !
LVPWsN	(0.53 - 0.78) !

B6

Ao Diam N
LA Diam N

B6 (0.68 - 0.89) !
(0.64 - 0.90) !

2D

SA LA
Ao Diam
SA LA / Ao Diam
IVSd
LVIDd
LVPWd
EDV(Teich)
IVSs
LVIDs
LVPWs
ESV(Teich)
EF(Teich)
%FS
SV(Teich)
LVLd A4C
LVEDV MOD A4C
LVLs A4C
LVESV MOD A4C
LVEF MOD A4C
SV MOD A4C

B6

cm
cm
cm
cm
ml
cm
cm
cm
ml
%
%
ml
cm
ml
cm
ml
%
ml

Doppler

MV E Vel
MV DecT
MV A Vel
MV E/A Ratio
E'
A'
E/E'
S'
PV Vmax
PV maxPG
AV Vmax
AV maxPG

B6

m/s
ms
m/s
m/s
m/s
m/s
m/s
m/s
mmHg
m/s
mmHg

Cummings Veterinary Medical Center

AT TUFTS UNIVERSITY

Cardiology Liaison: 508-887-4696

B6

B6 Canine
Years Old Male (Neutered) Labrador
Retriever
Black

Cardiology Appointment Report

Date: 8/17/2018

Attending Cardiologist:

John E. Rush, DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Cardiology Technician:

B6

Student:

Presenting Complaint:

Re-check DCM with history of CHF

Concurrent Disease

Chronic GI issue (undiagnosed)

General Medical History:

O think that he is doing well. Ever since May has been showing signs of improvement. Better appetite, increase energy and feel happier.

Diet and Supplements:

probiotics BID.

Merick grain free diet (been on grain free for his whole life)

Cardiovascular History:

Prior CHF diagnosis? yes

Prior heart murmur? difficult to hear due to panting

Prior ATE? no

Prior arrhythmia? VPC, ventricular bigeminy

Monitoring respiratory rate and effort at home? no increase been around 35, only happen when exercise (50-60) restricting him to 15 min walk.

Cough? very little, less than last april 1-2 a week
Shortness of breath or difficulty breathing? no
Syncope or collapse? no
Sudden onset lameness? no
Exercise intolerance? yes, 15min walk now.

Current Medications Pertinent to CV System:

B6

Cardiac Physical Examination:

B6

Muscle condition:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Normal | <input type="checkbox"/> Moderate cachexia |
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- Blood pressure

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B6

Doppler findings:

B6

Mitral inflow:

- Summated
- Normal
- Delayed relaxation

- Pseudonormal
- Restrictive

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B6

Assessment and recommendations:

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Final Diagnosis:

DCM with history of CHF

Heart Failure Classification Score:

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- Ia
- Ib
- II
- IIIa
- IIIb

ACVIM Classification:

- A
- B1
- B2
- C
- D

M-Mode

- IVSd
- LVIDd
- LVPWd
- IVSs
- LVIDs
- LVPWs
- %FS
- Ao Diam
- LA Diam
- LA/Ao
- Max LA
- EPSS

B6

- cm
- cm
- cm
- cm
- cm
- cm
- %
- cm
- cm
- cm
- cm

M-Mode Normalized

- IVSdN
- LVIDdN
- LVPWdN
- IVSsN
- LVIDsN
- LVPWsN

B6

 (0.29 - 0.52) !
 (1.35 - 1.73) !
 (0.33 - 0.53)
 (0.43 - 0.71)
 (0.79 - 1.14) !
 (0.53 - 0.78) !

Ao Diam N
LA Diam N

B6 (0.68 - 0.89) !
(0.64 - 0.90) !

2D

SA LA
Ao Diam
SA LA / Ao Diam
IVSd
LVIDd
LVPWd
EDV(Teich)
IVSs
LVIDs
LVPWs
ESV(Teich)
EF(Teich)
%FS
SV(Teich)
LVLd A4C
LVEDV MOD A4C
LVLs A4C
LVESV MOD A4C
LVEF MOD A4C
SV MOD A4C

B6

cm
cm
cm
cm
ml
cm
cm
cm
ml
%
%
ml
cm
ml
cm
ml
%
ml

Doppler

MV E Vel
MV DecT
MV A Vel
MV E/A Ratio
E'
A'
E/E'
S'
PV Vmax
PV maxPG
AV Vmax
AV maxPG

B6

m/s
ms
m/s
m/s
m/s
m/s
m/s
mmHg
m/s
mmHg

Cummings

Veterinary Medical Center

AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
North Grafton, MA 01536
Telephone (508) 839-5395
Fax (508) 839-7951
<http://vetmed.tufts.edu/>

Emergency & Critical Care Liaison: (508) 887-4745

Patient

Name:

Signalment:

B6 years Old Black Male
(Neutered) Labrador Retriever

Owner

Name:

Address:

B6

Patient ID:

B6

Emergency Clinician:

B6

(Resident, Emergency & Critical Care)

Consulting Clinician:

B6

, DVM, DACVIM

(Cardiology)

CR Supervisor:

B6

Discharge Instructions

Admit Date: B6 1:15:12 PM

Check Out Date: B6

Case Summary

Diagnosis:

1. Dilated cardiomyopathy with congestive heart failure

Case Summary:

B6 was presented to the Tuft Emergency Service for further evaluation of increased coughing and gagging at home. He was diagnosed with suspected heart failure back in December and started on medications, but due to concern for elevated kidney values the furosemide was discontinued and not restarted until the end of January when his coughing got worse. He had some difficulty breathing last night and on presentation his gums were muddy. On evaluation, B6 had crackles in his lungs and an abnormal heart rhythm (ventricular premature contractions). A quick point of care ultrasound of the heart showed enlarged left atrium and ventricle, but no fluid around the heart. There was evidence of pulmonary edema (fluid within the lungs), but on a single radiograph this was not noted to be too severe.

An echocardiogram was performed by our cardiology service with confirmed the presence of dilated cardiomyopathy (DCM). DCM is a disease that causes progressive dilation of the heart chambers and thinning and weakening of the chamber walls. This may be hereditary or less likely can sometimes be related to diet (lack of taurine) or infection.

B6 DCM has progressed to congestive heart failure at this point as his heart is no longer able to compensate.

Because B6 is so nervous in hospital and was breathing much better with pinker gums after an injection of

B6 we are electing to send him home today with some adjustments in his medications with the plan to

follow-up with cardiology in a week and a half. We did perform some basic bloodwork which showed his kidney values are still within normal limits, so hopefully he will be able to tolerate the increased dose of furosemide. We will plan to

recheck those values at his next visit.

Patient Care Instructions:

1. Please limit **B6** exercise to short leash walks and limit all excitement to lessen stress on his heart.
2. Please monitor him for signs of difficulty breathing, pale or blue/muddy gums, or collapse. Normal respiratory rate for dogs is <40 breathes per minute at rest or when sleeping. If his respiratory rate is consistently higher than this, please bring him in for a recheck.

Medications:

B6

Recheck Visits: A recheck appointment has been scheduled for February 21st at 3:30 pm with the Cardiology Service. At that time they will recheck his heart and kidney values.

Prescription Refill Disclaimer:

For the safety and well-being of our patients, your pet must have had an examination by one of our veterinarians within the past year in order to obtain prescription medications.

Ordering Food:

Please check with your primary veterinarian to purchase the recommended diet(s). If you wish to purchase your food from us, please call 7-10 days in advance (508-887-4629) to ensure the food is in stock. Alternatively, veterinary diets can be ordered from online retailers with a prescription/veterinary approval.

Clinical Trials:

Clinical trials are studies in which our veterinary doctors work with you and your pet to investigate a specific disease process or a promising new test or treatment. Please see our website: vet.tufts.edu/cvmc/clinical-studies

Case: **B6**

Owner: **B6**

Discharge Instructions

Discharge Instructions

Patient

Name: B6
Species: Canine
Black Male (Neutered) Labrador
Retriever
Birthdate: B6

Owner

Name: B6
Address: B6

Patient ID: B6

Attending Cardiologist:

John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Student: B6 V18

Cardiology Technician:

B6

Date: 2/21/2018

Diagnoses: Dilated cardiomyopathy (DCM) with congestive heart failure

Case summary:

Thank you for bringing B6 to Tufts Cardiology Service for recheck of his DCM. We submitted bloodwork to recheck his kidney values and we will contact you with the results of this test tomorrow.

B6

B6

B6

B6 : however, we do not recommend general anesthesia in patients with DCM.

B6

B6

Monitoring at home:

- We would like you to monitor your dog's breathing rate and effort at home, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.
- An increase in breathing rate or effort will usually mean that you should give an extra dose of B6 if difficulty breathing is not improved by within 30-60 minutes after giving extra B6 then we recommend that a recheck exam be scheduled and/or that your dog be evaluated by an emergency clinic.
- There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on

the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).

- o We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- o If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

Continued Medications:

B6

Diet suggestions:

Please discuss the addition of the other supplements (carnitine and CoQ10) and B6 diet with the nutrition service as you mentioned you have an appointment with them tomorrow.

Exercise Recommendations:

If you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

Recheck Visits:

A recheck echocardiogram is recommended in 2-3 months and you can schedule this appointment with our liaison listed below.

Thank you for entrusting us with B6's care. Please contact our Cardiology liaison, B6 or email us at cardiovet@tufts.edu for scheduling and non-emergent questions or concerns.

Please visit our HeartSmart website for more information

<http://vet.tufts.edu/heartsmart/>

Prescription Refill Disclaimer:

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Ordering Food:

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Case: B6

Owner: B6

Discharge Instructions

Cummings

Veterinary Medical Center

AT TUFTS UNIVERSITY

Foster Hospital for Small Animals
55 Willard Street
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Telephone (508) 839-5395
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<http://vetmed.tufts.edu/>

Emergency & Critical Care Liaison: (508) 887-4745

Patient

Name:

B6
Years Old Black Male
(Neutered) Labrador Retriever

Signalment:

Owner

Name:

Address:

B6

Patient ID:

B6

Emergency Clinician:

B6

DVM

Consulting Clinician:

ER Supervision:

B6

Discharge Instructions

Admit Date: B6

Check Out Date: B6

Case Summary

Diagnosis:

1. History of dilated cardiomyopathy and congestive heart failure

Case Summary:

Thank you for bringing B6 to the Tufts ER. B6 presented today due to a concern he had an abnormal heart rhythm. He has also been restless and not acting like himself. B6 was diagnosed with dilated cardiomyopathy and congestive heart failure in December 2017 and is currently being managed by our cardiology service.

On presentation, B6 was bright and alert with normal vital parameters. No concerning arrhythmia was noted during exam and no pulse deficits were appreciated. His mucous membranes were pink. His lungs sounded normal bilaterally.

We performed a FAST scan (ultrasound scan) of his heart and chest showing his previously diagnosed DCM but no pericardial effusion or evidence of severe pulmonary edema. We also performed an ECG which showed an unremarkable heart rhythm. We discussed performing chest x-rays and monitoring him in the hospital vs monitoring at home since he appeared stable. You elected to take him home for further monitoring and will contact the Cardiology Service directly for a follow-up. He may have had an abnormal rhythm that is intermittent so continue to monitor him carefully. If you become concerned that he is abnormally, has an irregular rhythm, or is having trouble breathing, please bring B6 back in through the ER.

Patient Care Instructions:

1. Please continue to monitor B6 as previously directed by our Cardiology Service. If you have concerns or feel that his

rhythm is abnormal or if he shows signs of weakness or collapse, please bring him back in through the ER.

Medications:

Continue B6 medications as prescribed

Recheck Visits:

If you have any questions or concerns, please call us. Otherwise, follow up with the Cardiology Service at your next scheduled appointment.

Prescription Refill Disclaimer:

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Ordering Food:

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Case: B6

Owner: B6

Discharge Instructions

Discharge Instructions

Patient

Name: B6

Species: Canine

Black Male (Neutered) Labrador

Retriever

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: B6

Attending Cardiologist: John E. Rush DVM, MS, DACVIM (Cardiology), DACVECC

B6

Cardiology Resident:

B6

Student: B6

Cardiology Technician:

B6

Admit Date: 8/17/2018 11:25:46 AM

Discharge Date: 8/17/2018

Diagnoses: Dilated cardiomyopathy (DCM) with congestive heart failure

Case summary:

Thank you for bringing B6 to Tufts Cardiology Service for recheck of his DCM. We are so glad to hear that B6 has been doing better at home. His heart ultrasound today showed that compare to his last visit, his heart is more dilated and its vigor of contraction has reduced a little.

B6

B6

His ECG shows that he has some (ventricular premature beat) which has become more frequent than in his last visit. The concern with the arrhythmia is that when this arrhythmia happens often enough these beats can lead to ventricular fibrillation. To prevent this from happening we are adding an anti-arrhythmic drug to his treatment regimen (see below).

In addition, we've submitted bloodwork to recheck his kidney values to see if his kidney is tolerating his cardiac medication. We will contact you with the results of this test by Monday.

Monitoring at home:

- We would like you to monitor your dog's breathing rate and effort at home daily, ideally during sleep or at a time of rest. The doses of drugs will be adjusted based on the breathing rate and effort.
- In general, most dogs with heart failure that is well controlled have a breathing rate at rest of less than 35 breaths per minute. In addition, the breathing effort, noted by the amount of belly wall motion used for each breath, is fairly minimal if heart failure is controlled.
- An increase in breathing rate or effort will usually mean that you should give an extra dose of B6 if difficulty breathing is not improved by within 30-60 minutes after giving extra furosemide then we recommend that

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- There are instructions for monitoring breathing, and a form to help keep track of breathing rate and drug doses, on the Tufts HeartSmart web site (<http://vet.tufts.edu/heartsmart/at-home-monitoring/>).
- We also want you to watch for weakness or collapse, a reduction in appetite, worsening cough, or distention of the belly as these findings indicate that we should do a recheck examination.
- If you have any concerns, please call or have your dog evaluated by a veterinarian. Our emergency clinic is open 24 hours/day.

Diet:

We would highly recommended you switch from B6 grain-free diet to a more balance diet. Grain free diet has been associated with DCM in dogs. Fortunately the side effects cause by grain free diet can be reversible. Please talk to Dr. Freeman for her recommendation.

Continued Medications:

B6

Diet suggestions:

Please continue talking to Dr. Freeman to find the best diet for B6

Exercise Recommendations:

If you find that B6 is lagging behind or needs to stop on a walk then this was too long a walk and shorter walks are advised in the future. Repetitive or strenuous high energy activities (repetitive ball chasing, running fast off-leash, etc.) are generally not advised at this stage of heart failure.

Recheck Visits:

A recheck echocardiogram is schedule for B6 for Dec 14th (Friday) at 11AM. We would also want to see how B6 is breathing and his EKG.

Thank you for entrusting us with B6 care. Please contact our Cardiology liaison, B6 at (508)-887-4696 or

email us at cardiovet@tufts.edu for scheduling and non-emergent questions or concerns.

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Case: B6

Owner: B6

Discharge Instructions

Radiology Request & Report

Patient

Name: B6

Species: Canine

Black Male (Neutered) Labrador
Retriever

Birthdate: B6

Owner

Name: B6

Address: B6

Patient ID: B6

Date of request: B6

Attending Clinician: B6 (Resident, Emergency & Critical Care)

Student:

Date of exam: B6

Patient Location: Ward/Cage: ICU Run 2

Weight (kg) 44.70

- Inpatient
- Outpatient Time:
- Waiting
- Emergency

Sedation

- BAG
- OBAG
- 1/2 dose OBAG
- DexDomitor/Butorphanol
- Anesthesia to sedate/anesthetize

Examination Desired: Lateral thorax standing

Presenting Complaint and Clinical Questions you wish to answer:
Heart failure, respiratory distress

Pertinent History:

8 YO MN Labrador. DCM on echocardiogram. Suspect pulmonary edema based on coalescing B-lines on TFAST.

Findings:

THORAX; RIGHT LATERAL (LIMITED):

B6

Conclusions:

- Moderate to marked generalized cardiomegaly with left atrial enlargement consistent with history of DCM. Impression of mild diffuse interstitial pattern may represent cardiogenic pulmonary edema in light of the clinical picture, however, evaluation of the pulmonary parenchyma and vascular structures is hampered by limited exam. Echocardiogram and/or follow up radiographs are recommended to monitor response to treatment.

Radiologists

Primary: B6 DVM

Reviewing:

Dates

Reported: 2/12/18

Finalized:

Report Details - EON-376361

ICSR: 2061171
Type Of Submission: Initial
Report Version: FPSR.FDA.PETF.V.V1
Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type: Voluntary
Report Submission Date: 2019-01-14 16:58:04 EST

Reported Problem:

Problem Description:	Eating Taste of the Wild Sierra Mountain since June 2018 (Acana Heritage Poultry before that). This diet was fed to multiple dogs - have not screened other dogs yet so unknown whether they are also affected. Echo showed reduced contractility and mild left atrial enlargement. BNP and troponin mildly elevated, troponin (B6) Taurine WNL (B6) Changing to Pro Plan Sensitive Skin /Stomach dry and will recheck in 3 months
Date Problem Started:	01/02/2019
Concurrent Medical Problem:	No
Outcome to Date:	Stable

Product Information:

Product Name:	Taste of the Wild Sierra Mountain dry
Product Type:	Pet Food
Lot Number:	
Package Type:	BAG
Product Use Information:	Description: See diet history for more details. TOTW fed June, 2018 to present; Acana Heritage Free Run Poultry before that
Manufacturer /Distributor Information:	
Purchase Location Information:	

Animal Information:

Name:	B6
Type Of Species:	Dog
Type Of Breed:	Retriever - Golden
Gender:	Female
Reproductive Status:	Intact
Pregnancy Status:	Not Pregnant
Lactation Status:	Not lactating
Weight:	30.4 Kilogram
Age:	3 Years
Assessment of Prior Health:	Excellent
Number of Animals Given the Product:	7
Number of Animals Reacted:	1
Owner Information:	Owner Information provided: Yes
Contact:	Name: B6 Phone: B6 Email: B6
Address:	B6 United States

	Healthcare Professional Information:	Practice Name: Tufts Cummings School of Veterinary Medicine Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:		Name: Lisa Freeman Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States Contact: Phone: 5088874523 Email: lisa.freeman@tufts.edu Permission To Contact Sender: Yes Preferred Method Of Contact: Email
Additional Documents:		Attachment: rpt_medical_record_preview; B6 pdf Description: records Type: Medical Records

B6

3/12/2019 2:54:12 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

B6

3/12/2019 2:54:20 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

>>> Acute MI <<<

B6

B6

3/12/2019 2:54:23 PM

Page 1 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

B6

3/12/2019 2:54:23 PM

Page 2 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

B6

3/12/2019 2:56:46 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

From: Rotstein, David </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0A3B17EBFCF14A6CB8E94F322906BADD-DROTSTEI>
To: Peloquin, Sarah; Carey, Lauren; Ceric, Olgica; Glover, Mark; Jones, Jennifer L; Nemser, Sarah; Palmer, Lee Anne; Queen, Jackie L
Sent: 4/25/2019 5:59:16 PM
Subject: RE: Wellness Complete Health Fish and Sweet Potato dry: Lisa Freeman - EON-385681

Thanks

From: Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Date: April 25, 2019 at 1:43:11 PM EDT
To: Rotstein, David <David.Rotstein@fda.hhs.gov>, Carey, Lauren <Lauren.Carey@fda.hhs.gov>, Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>, Glover, Mark <Mark.Glover@fda.hhs.gov>, Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>, Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>, Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>, Queen, Jackie L <Jackie.Queen@fda.hhs.gov>
Subject: RE: Wellness Complete Health Fish and Sweet Potato dry: Lisa Freeman - EON-385681

FYI, no necropsy was performed on this one per Dr. Freeman.

Sarah Peloquin, DVM
Veterinary Medical Officer
tel: 240-402-1218

From: Rotstein, David
Sent: Monday, April 22, 2019 11:12 AM
To: Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Glover, Mark <Mark.Glover@fda.hhs.gov>; Jones, Jennifer L <Jennifer.Jones@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>; Queen, Jackie L <Jackie.Queen@fda.hhs.gov>; Rotstein, David <David.Rotstein@fda.hhs.gov>
Subject: FW: Wellness Complete Health Fish and Sweet Potato dry: Lisa Freeman - EON-385681

Forwarding this on because the dog died on B6 and unsure of necropsy status

David Rotstein, DVM, MPVM, Dipl. ACVP
CVM Vet-LIRN Liaison
CVM OSC/DC/CERT
7519 Standish Place
240-506-6763 (BB)



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the sender immediately at david.rotstein@fda.hhs.gov.

From: Related PFR Event <pfrsignificantactivitycreation@fda.hhs.gov>

Sent: Monday, April 22, 2019 11:09 AM

To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Cleary, Michael * <Michael.Cleary@fda.hhs.gov>; HQ Pet Food Report Notification <HQPetFoodReportNotification@fda.hhs.gov>

B6

Subject: Wellness Complete Health Fish and Sweet Potato dry: Lisa Freeman - EON-385681

A PFR Report has been received and Related PFR Event [EON-385681] has been created in the EON System.

A "PDF" report by name "2066093-report.pdf" is attached to this email notification for your reference. Please note that all documents received in the report are compressed into a zip file by name "2066093-attachments.zip" and is attached to this email notification.

Below is the summary of the report:

EON Key: EON-385681

ICSR #: 2066093

EON Title: Related PFR Event created for Wellness Complete Health Fish and Sweet Potato dry; 2066093

AE Date	02/22/2019	Number Fed/Exposed	2
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Died Other
Breed	Boxer (German Boxer)		
Age	B6 Years		
District Involved	PFR-New England DO		

Product information

Individual Case Safety Report Number: 2066093

Product Group: Pet Food

Product Name: Wellness Complete Health Fish and Sweet Potato dry

Description: Arrhythmia dx at RDVM July 2018 (had been "wheezing") Started wheezing again 1 week before admission. Diagnosed with DCM, CHF, and ventricular tachycardia 2/22/19 Was fed Wellness diet until 6/2018 then changed to Royal Canin Boxer (current diet). Taurine and troponin pending. Owner has another Boxer eating same diets - has not been screened Enrolled in DCM study. Changing to different diet (although Boxer diet is probably fine) and will recheck in 7 days and 3 months. Patient passed away at home

B6

Submission Type: Followup

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Died Other

Number of Animals Treated With Product: 2

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Wellness Complete Health Fish and Sweet Potato dry		

This report is linked to:

Initial EON Event Key: EON-380848

Initial ICSR: 2063189

Sender information

Lisa Freeman
200 Westboro Rd
North Grafton, MA 01536
USA

Owner information

B6

USA

To view this Related PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-385681>

To view the Related PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspa?decorator=none&e=0&issueType=10100&issueld=402809&parentIssueTypeId=12>

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This email and attached document are being provided to you in your capacity as a Commissioned Official with the U.S. Department of Health and Human Services as authorized by law. You are being provided with this information pursuant to your signed Acceptance of Commission.

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Failure to adhere to the above provisions could result in removal from the approved distribution list. If you think you received this email in error, please send an email to FDAReportableFoods@fda.hhs.gov immediately.

Report Details - EON-380848

ICSR: 2063189
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-02-25 19:07:14 EST

Reported Problem:
Problem Description: Arrhythmia dx at RDVM July 2018 (had been "wheezing") Started wheezing again 1 week before admission. Diagnosed with DCM, CHF, and ventricular tachycardia 2/22/19 Was fed Wellness diet until 6/2018 then changed to Royal Canin Boxer (current diet). Taurine and troponin pending. Owner has another Boxer eating same diets - has not been screened Enrolled in DCM study. Changing to different diet (although Boxer diet is probably fine) and will recheck in 7 days and 3 months.
Date Problem Started: 02/22/2019
Concurrent Medical Problem: No
Outcome to Date: Stable

Product Information:
Product Name: Wellness Complete Health Fish and Sweet Potato dry
Product Type: Pet Food
Lot Number:
Product Use Information: **Description:** Fed this diet 2012 - June, 2018 Currently, fed Royal Canin Boxer See diet history
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: B6
Type Of Species: Dog
Type Of Breed: Boxer (German Boxer)
Gender: Male
Reproductive Status: Neutered
Weight: 23.3 Kilogram
Age: B6 Years
Number of Animals Given the Product: 2
Number of Animals Reacted: 1
Owner Information: **Owner Information provided:** Yes
Contact: **Name:** B6
Phone: B6
Email: B6
Address: B6
 United States
Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine
Contact: **Name:** Lisa Freeman
Phone: (508) 887-4523
Email: lisa.freeman@tufts.edu
Address:

			200 Westboro Rd North Grafton Massachusetts 01536 United States
--	--	--	---

Sender Information:	Name:	Lisa Freeman	
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	Contact:	Phone:	5088874523
		Email:	lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes	
Preferred Method Of Contact:	Email		

Additional Documents:	Attachment:	rpt_medical_record_preview_small.pdf	
	Description:	Med records	
	Type:	Medical Records	

Report Details - EON-385681

ICSR:	2066093
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-04-22 11:00:18 EDT
Initial Report Date:	02/25/2019
Parent ICSR:	2063189
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	Arrhythmia dx at RDVM July 2018 (had been "wheezing") Started wheezing again 1 week before admission. Diagnosed with DCM, CHF, and ventricular tachycardia 2/22/19 Was fed Wellness diet until 6/2018 then changed to Royal Canin Boxer (current diet). Taurine and troponin pending. Owner has another Boxer eating same diets - has not been screened Enrolled in DCM study. Changing to different diet (although Boxer diet is probably fine) and will recheck in 7 days and 3 months. Patient passed away at home. B6
	Date Problem Started:	02/22/2019
	Concurrent Medical Problem:	No
	Outcome to Date:	Died Other
	Date of Death:	B6

Product Information:	Product Name:	Wellness Complete Health Fish and Sweet Potato dry	
	Product Type:	Pet Food	
	Lot Number:		
	Product Use Information:	Description:	Fed this diet 2012 - June, 2018 Currently, fed Royal Canin Boxer See diet history
	Manufacturer /Distributor Information:		
	Purchase Location Information:		

Animal Information:	Name:	B6			
	Type Of Species:	Dog			
	Type Of Breed:	Boxer (German Boxer)			
	Gender:	Male			
	Reproductive Status:	Neutered			
	Weight:	23.3 Kilogram			
	Age:	B6	Years		
	Assessment of Prior Health:	Good			
	Number of Animals Given the Product:	2			
	Number of Animals Reacted:	1			
	Owner Information:	Owner Information provided:	Yes		
		Contact:	Name:	B6	
			Phone:		
Email:					
Address:	B6				

			B6 United States
Healthcare Professional Information:	Practice Name:	Tufts Cummings School of Veterinary Medicine	
	Contact:	Name:	Lisa Freeman
		Phone:	(508) 887-4523
		Email:	lisa.freeman@tufts.edu
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States	
Sender Information:	Name:	Lisa Freeman	
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	Contact:	Phone:	5088874523
		Email:	lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes	
	Preferred Method Of Contact:	Email	
Reported to Other Parties:	None		
Additional Documents:	Attachment:	B6 Boxed B6	Results Form (005).pdf
	Description:	Genetic testing results	
	Type:	Laboratory Report	
	Attachment:	ECG 3-12-2019.pdf	
	Description:	ECG	
	Type:	Medical Records	

Report Details - EON-380848

ICSR: 2063189
 Type Of Submission: Initial
 Report Version: FPSR.FDA.PETF.V.V1
 Type Of Report: Adverse Event (a symptom, reaction or disease associated with the product)
 Reporting Type: Voluntary
 Report Submission Date: 2019-02-25 19:07:14 EST

Reported Problem:
Problem Description: Arrhythmia dx at RDVM July 2018 (had been "wheezing") Started wheezing again 1 week before admission. Diagnosed with DCM, CHF, and ventricular tachycardia 2/22/19 Was fed Wellness diet until 6/2018 then changed to Royal Canin Boxer (current diet). Taurine and troponin pending. Owner has another Boxer eating same diets - has not been screened Enrolled in DCM study. Changing to different diet (although Boxer diet is probably fine) and will recheck in 7 days and 3 months.
Date Problem Started: 02/22/2019
Concurrent Medical Problem: No
Outcome to Date: Stable

Product Information:
Product Name: Wellness Complete Health Fish and Sweet Potato dry
Product Type: Pet Food
Lot Number:
Product Use Information: **Description:** Fed this diet 2012 - June, 2018 Currently, fed Royal Canin Boxer See diet history
Manufacturer /Distributor Information:
Purchase Location Information:

Animal Information:
Name: B6
Type Of Species: Dog
Type Of Breed: Boxer (German Boxer)
Gender: Male
Reproductive Status: Neutered
Weight: 23.3 Kilogram
Age: B6 Years
Number of Animals Given the Product: 2
Number of Animals Reacted: 1
Owner Information: **Owner Information provided:** Yes
Contact: **Name:** B6
Phone: B6
Email:
Address: B6
 United States
Healthcare Professional Information: **Practice Name:** Tufts Cummings School of Veterinary Medicine
Contact: **Name:** Lisa Freeman
Phone: (508) 887-4523
Email: lisa.freeman@tufts.edu
Address:

			200 Westboro Rd North Grafton Massachusetts 01536 United States
--	--	--	---

Sender Information:	Name:	Lisa Freeman	
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States	
	Contact:	Phone:	5088874523
		Email:	lisa.freeman@tufts.edu
	Permission To Contact Sender:	Yes	
Preferred Method Of Contact:	Email		

Additional Documents:	Attachment:	rpt_medical_record_preview_small.pdf	
	Description:	Med records	
	Type:	Medical Records	

From: Freeman, Lisa <Lisa.Freeman@tufts.edu>
To: Jones, Jennifer L
Sent: 3/4/2019 11:26:13 PM
Subject: FW: taurine results for [REDACTED] **B6**
Attachments: Stern Lab Taurine Recommendations.pdf; T_27799.pdf; UCD Diet and DCM Handout.pdf

Lisa M. Freeman, DVM, PhD, DACVN
Board Certified Veterinary Nutritionist™
Professor
Cummings School of Veterinary Medicine
Friedman School of Nutrition Science and Policy
Tufts Clinical and Translational Science Institute
Tufts University
www.petfoodology.org

From: Tufts Veterinary Cardiology Service
Sent: Monday, March 04, 2019 5:23 PM
To: Freeman, Lisa <Lisa.Freeman@tufts.edu>
Subject: FW: taurine results for [REDACTED] **B6**

From: Amino Acid Lab <ucd.aminoacid.lab@ucdavis.edu>
Sent: Monday, March 4, 2019 5:04 PM
To: Clinical Pathology Lab <clinpath@tufts.edu>; Tufts Veterinary Cardiology Service <cardiovet@tufts.edu>
Subject: taurine results for [REDACTED] **B6**

Hello -

Thank you for using the Amino Acid Laboratory at UC Davis, School of Veterinary Medicine.

Please find attached the results for your patient. Please note, with the recent increase in the number of dogs screened for taurine deficiency, we are seeing some dogs with values within the lower reference ranges (or above the “no known risk for deficiency range”) yet are still exhibiting changes in cardiac function.

We have also attached 2 handouts developed by our cardiology service at UC Davis for your information. The first is a general handout on dilated cardiomyopathy in dogs. The second is a handout specifically focused on Golden Retrievers, a breed that has been over-represented in the association between grain-free diet consumption and dilated cardiomyopathy.

We hope your clinic finds this information helpful. Veterinarians are always welcome to contact our laboratory for assistance in evaluating your patient’s results.

Thank you -

The Amino Acid Laboratory
Department of Molecular Biosciences
School of Veterinary Medicine
University of California, Davis

Phone: 530-752-5058

Email: ucd.aminoacid.lab@ucdavis.edu

B6

3/12/2019 2:54:12 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

B6

3/12/2019 2:54:20 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

>>> Acute MI <<<

B6

B6

3/12/2019 2:54:23 PM

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Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

B6

3/12/2019 2:54:23 PM

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Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

B6

3/12/2019 2:56:46 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Report Details - EON-382884

ICSR:	2064340
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-20 17:37:37 EDT
Initial Report Date:	02/27/2019
Parent ICSR:	2063286
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	DCM and CHF diagnosed 2/25/19. Eating BEG diet. 2 other dogs in household will be screened. Will change diet on [B6] and reassess in 3 months. Just being discharged today. Taurine and troponin pending
	Date Problem Started:	02/25/2019
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	[B6]
	Outcome to Date:	Stable

Product Information:	Product Name:	CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD
	Product Type:	Pet Food
	Lot Number:	
	Product Use Information:	Description: Fed this diet most of his life
	Manufacturer /Distributor Information:	
	Purchase Location Information:	

Animal Information:	Name:	[B6]		
	Type Of Species:	Dog		
	Type Of Breed:	Doberman Pinscher		
	Gender:	Male		
	Reproductive Status:	Intact		
	Weight:	60 Kilogram		
	Age:	[B6] Years		
	Assessment of Prior Health:	Excellent		
	Number of Animals Given the Product:	3		
	Number of Animals Reacted:	1		
	Owner Information:	Owner Information provided:	Yes	
		Contact:	Name:	[B6]
			Phone:	[B6]
Email:			[B6]	
Address:	[B6]			
		United States		

	Healthcare Professional Information:	Practice Name: Tufts Cummings School of Veterinary Medicine					
		<table border="1"> <tr> <td>Contact:</td> <td>Name: Lisa Freeman</td> </tr> <tr> <td></td> <td>Phone: (508) 887-4523</td> </tr> <tr> <td></td> <td>Email: lisa.freeman@tufts.edu</td> </tr> </table>	Contact:	Name: Lisa Freeman		Phone: (508) 887-4523	
Contact:	Name: Lisa Freeman						
	Phone: (508) 887-4523						
	Email: lisa.freeman@tufts.edu						
		Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States					
Sender Information:	Name:	Lisa Freeman					
	Address:	200 Westboro Rd North Grafton Massachusetts 01536 United States					
	Contact:	Phone: 5088874523 Email: lisa.freeman@tufts.edu					
	Permission To Contact Sender:	Yes					
	Preferred Method Of Contact:	Email					
	Reported to Other Parties:	None					
Additional Documents:	Attachment:	Cardio reports [B6] pdf					
	Description:	Cardiology Appointment Report [B6]					
	Type:	Medical Records					
	Attachment:	ECG [B6] pdf					
	Description:	ECG [B6]					
	Type:	Medical Records					
	Attachment:	Idexx BNP [B6] pdf					
	Description:	Idexx NT-proBNP [B6]					
	Type:	Laboratory Report					

Client:
Patient:

B6

ECG from Cardio

B6

B6

2:51:01 PM

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Tufts University
Tufts Cummings School of Vet Med
Cardiology

12-lead Standard Placement

B6

Client: **B6**
Patient:

ECG from Cardio

B6

B6 2:51:01 PM Page 2 of 2
Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Report Details - EON-382878

ICSR:	2064335
Type Of Submission:	Followup
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-20 17:15:18 EDT
Initial Report Date:	02/27/2019
Parent ICSR:	2063286
Follow-up Report to FDA Request:	Yes

Reported Problem:	Problem Description:	DCM and CHF diagnosed 2/25/19. Eating BEG diet. 2 other dogs in household will be screened. Will change diet on [B6] and reassess in 3 months. Just being discharged today. Taurine and troponin pending
	Date Problem Started:	02/25/2019
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	[B6]
	Outcome to Date:	Stable

Product Information:	Product Name:	CANIDAE® ALL LIFE STAGES CHICKEN MEAL & RICE FORMULA DRY DOG FOOD
	Product Type:	Pet Food
	Lot Number:	
	Product Use Information:	Description: Fed this diet most of his life
	Manufacturer /Distributor Information:	
	Purchase Location Information:	

Animal Information:	Name:	[B6]	
	Type Of Species:	Dog	
	Type Of Breed:	Doberman Pinscher	
	Gender:	Male	
	Reproductive Status:	Intact	
	Weight:	60 Kilogram	
	Age:	[B6] Years	
	Assessment of Prior Health:	Excellent	
	Number of Animals Given the Product:	3	
	Number of Animals Reacted:	1	
	Owner Information:	Owner Information provided:	Yes
		Contact:	Name: [B6]
			Phone: [B6]
Email: [B6]			
Address:	[B6] United States		

	Healthcare Professional Information:	Practice Name: Tufts Cummings School of Veterinary Medicine Contact: Name: Lisa Freeman Phone: (508) 887-4523 Email: lisa.freeman@tufts.edu Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States
Sender Information:	Name: Lisa Freeman Address: 200 Westboro Rd North Grafton Massachusetts 01536 United States Contact: Phone: 5088874523 Email: lisa.freeman@tufts.edu Permission To Contact Sender: Yes Preferred Method Of Contact: Email Reported to Other Parties: None	
Additional Documents:		Attachment: Taurine level B6 pdf Description: UCDavis Taurine Panel Type: Laboratory Report Attachment: Chemistry B6 pdf Description: Chemistry panel Type: Laboratory Report Attachment: Diet history B6 pdf Description: Diet history Type: Record Attachment: Troponin level B6 pdf Description: Texas A and M Troponin Type: Laboratory Report Attachment: Diet history B6 pdf Description: Diet history Type: Record



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB:	B6	Sex: M	Provider:	B6
Patient ID:	B6	Age: 3	Order Location:	B6 Investigation into
Phone number:		Species: Canine	Sample ID:	1903080084
Collection Date:	B6 1:35 PM	Breed: Doberman Pinscher		
Approval date:	B6 3:27 PM			

Research Chemistry Profile - Small Animal (Cobas)

		Ref. Range/Males
TFRANK	B6	
Glucose		67-135 mg/dL
Urea		8-30 mg/dL
Creatinine		0.6-2.0 mg/dL
Phosphorus		2.6-7.2 mg/dL
Calcium 2		9.4-11.3 mg/dL
Magnesium 2+		1.8-3.0 mEq/L
Total Protein		5.5-7.8 g/dL
Albumin		2.8-4.0 g/dL
Globulins		2.3-4.2 g/dL
A/G Ratio		0.7-1.6
Sodium		140-150 mEq/L
Chloride		106-116 mEq/L
Potassium		3.7-5.4 mEq/L
tCO2(Bicarb)		14-28 mEq/L
AGAP		8.0-19.0
NA/K		29-40
Total Bilirubin		0.10-0.30 mg/dL
Alkaline Phosphatase		12-127 U/L
GGT		0-10 U/L
ALT	14-86 U/L	
AST	9-54 U/L	
Creatine Kinase	22-422 U/L	
Cholesterol	82-355 mg/dL	
Triglycerides	30-338 mg/dL	
Amylase	409-1250 U/L	
Osmolality (calculated)	291-315 mmol/L	

Sample ID: 1903080084/1
REPRINT: Orig. printing of **B6** (Final)

Reviewed by: _____

Client: **B6**
Patient:

ECG from Cardio

B6

B6 2:51:01 PM Page 1 of 2
Tufts University
Tufts Cummings School of Vet Med
Cardiology

12 Lead: Standard Placement

B6

Client: **B6**
Patient:

ECG from Cardio

B6

B6 2:51:01 PM Page 2 of 2
Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

Report Details - EON-383307

ICSR:	2064533
Type Of Submission:	Initial
Report Version:	FPSR.FDA.PETF.V.V1
Type Of Report:	Adverse Event (a symptom, reaction or disease associated with the product)
Reporting Type:	Voluntary
Report Submission Date:	2019-03-25 15:41:39 EDT

Reported Problem:	Problem Description:	Presented to Tufts for further evaluation of her increased respiration rate and worsening cough. Patient was diagnosed with pulmonary edema secondary to DCM and DMVD. Patient's diet consisted of Iams Senior (most recent x 1 year) and previously alternated between Iams Chunks and mature adult large breed, 5+ years
	Date Problem Started:	03/04/2019
	Concurrent Medical Problem:	Yes
	Pre Existing Conditions:	B6
	Outcome to Date:	Stable

Product Information:	Product Name:	Iams Proactive Health - Chicken Senior Plus Dry Dog Food		
	Product Type:	Pet Food		
	Lot Number:			
	Package Type:	BAG		
	Possess Unopened Product:	No		
	Possess Opened Product:	No		
	Product Use Information:	Description:	Diet was fed twice daily over the last 12 months	
		Time Interval between Product Use and Adverse Event:	12 Months	
		Product Use Stopped After the Onset of the Adverse Event:	Yes	
		Adverse Event Abate After Product Stop:	Unknown	
		Product Use Started Again:	No	
		Perceived Relatedness to Adverse Event:	Possibly related	
		Other Foods or Products Given to the Animal During This Time Period:	Yes	
Manufacturer /Distributor Information:				
Purchase Location Information:				

Animal Information:	Name:	
	Type Of Species:	Dog

	Type Of Breed: Retriever - Labrador
	Gender: Female
	Reproductive Status: Neutered
	Weight: 29.7 Kilogram
	Age: B6 Years
	Assessment of Prior Health: Good
	Number of Animals Given the Product: 1
	Number of Animals Reacted: 1
	Owner Information: Owner Information provided: Yes
	Contact: Name: B6
	Phone:
	Email:
	Address: B6 United States
	Healthcare Professional Information: Practice Name: Tufts Cummings School of Veterinary Medicine
	Contact: Name: Lisa Freeman
	Phone: (508) 887-4523
	Email: lisa.freeman@tufts.edu
	Address: 200 Westboro Road North Grafton Massachusetts 01536 United States
	Permission to Release Records to FDA: Yes
Sender Information:	Name: B6
	Address: 200 Westboro Road North Grafton Massachusetts 01536 United States
	Contact: Phone:
	Email: B6
	Permission To Contact Sender: Yes
	Preferred Method Of Contact: Email
	Reported to Other Parties: None
Additional Documents:	Attachment: Medical record 1.pdf
	Description: Medical records
	Type: Medical Records
	Attachment: medical record 2.pdf
	Description: Medical records

Type: Medical Records

Attachment: Diet hx 3-22-19.pdf

Description: Diet History

Type: Medical Records

Attachment: Medical record 3.pdf

Description: Medical records

Type: Medical Records

Client: **B6**
Patient: **B6**

Estimate/Treatment Plan: **B6**

Cummings
Veterinary Medical Center
AT TUFTS UNIVERSITY

Treatment Plan

Foster Hospital for Small Animals

55 Willard Street
North Grafton MA 01536
(508) 839-5395
<http://vetmed.tufts.edu/>

Estimated Charges ^{est}

B6

B6

This estimate is based upon our preliminary examination. This is an estimate and is not the final bill. Every effort will be made to keep you informed of the current status of your bill throughout your animal's hospitalization. The final fee may vary considerably from this estimated cost.

Patient	Description	Low QIV	Low Extended	High QIV	High Extended
B6	Hospitalization, Bloodwork, IV catheter, IV fluids, IV medications, X-rays, Cardiology consult, +/- CT scan	B6			

Doctor of Record: **B6**

B6
Client Signature

I understand that no guarantee of successful treatment is made. I certify that I have read and fully understand the authorization for medical and/or surgical treatment, the reason for why such medical and/or surgical treatment is considered necessary, as well as its advantages and possible complications, if any. I also assume financial responsibility for all charges incurred to this patient(s). I agree to pay 75% of the estimated cost at the time of admission. Additional deposits will be required if additional care or procedures are required. I further agree to pay the balance of the charges when this patient(s) is released.

Procedural billing is inclusive up to and including the estimated duration of hospitalization. There will be additional expenses if hospitalization extends beyond the specified duration.

I have read, understand, and agree to accept the conditions of this treatment plan.

Thank you for entrusting us with your pet's care.

High Total
Low Total
75% Deposit

B6

Client: **B6**
Patient: **B6**

IDEXX BNP **B6**

IDEXX Reference Laboratories

Client: **B6** Patient: **B6**

Client: **B6**
Patient: **B6**
Species: CANINE
Breed: LABRADOR RETRIE
Gender: FEMALE S/PAYED
Age: **B6**

Date: **B6**
Requisition #: **B6**
Accession #: **B6**
Ordered by: **B6**

IDEXX VetConnect 1-888-433-9967
TUFTS UNIVERSITY
200 WESTBORO RD
NORTH GRAFTON, Massachusetts 01536-1828
508-839-5395
Account #80735

CARDIOPEP proBNP - CANINE

Test	Result	Reference Range	Unit	Method	Flag
CARDIOPEP proBNP - CANINE	B6	0 - 900 pmol/L	FBGH		B6

Comments:

1. Cardiores proBNP >1800pmol/L

B6

Please note: Complete interpretive comments for all concentrations of Cardiores proBNP are available in the online directory of services. Serum specimens received at room temperature may have decreased NT-proBNP concentrations.

Client: **B6**
Patient: **B6**

UCDavis Taurine Panel

28141 ① PL
② WB

B6 Canine
3/11/2019 10:59 AM
TAURINE PANEL
Lithium Heparin

Amino Acid Laboratory Sample Submission Form

Amino Acid Laboratory, 1089 Veterinary Medicine Drive, Davis, Ca 95616
Telephone: 530-752-5058, Fax: 530-752-4698
Email: ucd.aminoacid.lab@ucdavis.edu
www.vetmed.ucdavis.edu/labs/amino-acid-laboratory

Veterinarian Contact: **B6**

Clinic/Company Name: Tufts Cummings School of Vet. Med. - Clinical Pathology Laboratory

Address: 200 Westboro Road, North Grafton, MA 015369

Email: Clinpath@tufts.edu cardiovet@tufts.edu

Telephone: 508-887-4669 Fax: 508-839-7936

Billing Contact: **B6** Email: **B6**

Billing Contact Phone: **B6** Tax ID: _____

Patient Name: **B6** Species: Canine

Breed: Lab Owner's Name: **B6**

Current Diet: Jams

Sample type: Plasma Whole Blood Urine Food Other _____

Test: Taurine Complete Amino Acids Other: _____

Taurine Results (lab use only)

Plasma: **B6** Whole Blood: **B6** Urine: _____ Food: _____

	Plasma (nMol/ml)		Whole Blood (nMol/ml)	
	Normal Range	No known risk for deficiency	Normal Range	No known risk for deficiency
Cat	80-120	>40	300-600	>200
Dog	60-120	>40	200-350	>150

* Please note with the recent increase in the number of dogs screened for taurine deficiency, we are seeing dogs with values within the reference ranges (or above the "no known risk for deficiency range") yet are still exhibiting signs of cardiac disease. Veterinarians are welcome to contact our laboratory for assistance in evaluating your patient's results.

Client: **B6**
Patient: **B6**

CBC/chem **B6**



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB: **B6** Sex: SF Provider: **B6**
Patient ID: **B6** Age: **B6** Order Location: Foster Hospital for Small Animals
Phone number: Species: Canine Sample ID: 1903070014
Collection Date: **B6** 3:51 AM Breed: Labrador Ret
Approval date: 9:38 AM

CBC, Comprehensive, Sm Animal

Parameter	Value	Ref. Range/Females
EUNDERWOOD		
WBC (ADVIA)	B6	4.40-15.10 K/uL
RBC (Advia)	B6	5.80-8.50 M/uL
Hemoglobin (ADVIA)	B6	13.3-20.5 g/dL
Hematocrit (Advia)	B6	39-55 %
MCV (ADVIA)	B6	64.5-77.5 fL
MCH (ADVIA)	B6	21.3-25.9 pg
MCHC (ADVIA)	B6	31.9-34.3 g/dL
CHCM	B6	
RDW (ADVIA)	B6	11.9-15.2
Platelet Count (Advia)	B6	173-486 K/uL
03/07/19 9:23 AM		
Mean Platelet Volume (Advia)	B6	8.29-13.20 fl
03/07/19 8:06 AM		
Platelet Cnt	B6	0.129-0.403 %
03/07/19 8:06 AM		
PDW	B6	
Reticulocyte Count (Advia)	B6	0.20-1.60 %
Absolute Reticulocyte Count (Advia)	B6	14.7-113.7 K/uL
CHr	B6	
MCVr	B6	

Microscopic Exam of Blood Smear (Advia)

Parameter	Value	Ref. Range/Females
EUNDERWOOD		
Seg Neuts (%)	B6	43-86 %
Lymphocytes (%)	B6	7-47 %
Monocytes (%)	B6	1-15 %
Eosinophils (%)	B6	0-16 %
Nucleated RBC	B6	0-1 /100 WBC
03/07/19 8:06 AM		
Seg Neutrophils (Abs) Advia	B6	2.800-11.500 K/uL
Lymphs (Abs) Advia	B6	1.00-4.80 K/uL
Mono (Abs) Advia	B6	0.10-1.50 K/uL

Sample ID: 19030700141
This report continues... (Final)

Reviewed by: _____

Client: **B6**
Patient: **B6**

CBC/chem **B6**



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB:	B6	Sex:	SF	Provider:	B6
Patient ID:	B6	Age:	B6	Order Location:	Foster Hospital for Small Animals
Phone number:		Species:	Canine	Sample ID:	1903070014
Collection Date:	B6 :51 AM	Breed:	Labrador Retr		
Approval date:	:38 AM				

Microscopic Exam of Blood Smear (Advia) (cont'd)

EUNDERWOOD		Ref. Range/Females
Eosinophils (Abs) Advia	B6	0.00-1.40 K/uL
WBC Morphology		
Echinocytes		

Chem Prof - Small Animal (Cobas)

ABLASOTTO		Ref. Range/Females
Glucose	B6	67-135 mg/dL
Urea		8-30 mg/dL
Creatinine		0.6-2.0 mg/dL
Phosphorus		2.6-7.2 mg/dL
Calcium 2		9.4-11.3 mg/dL
Magnesium 2+		1.8-3.0 mEq/L
Total Protein		5.5-7.8 g/dL
Albumin		2.8-4.0 g/dL
Globulins		2.3-4.2 g/dL
A/G Ratio		0.7-1.6
Sodium		140-150 mEq/L
Chloride		106-116 mEq/L
Potassium		3.7-5.4 mEq/L
tCO2(Bicarb)		14-28 mEq/L
AGAP		8.0-19.0
NA/K		29-40
Total Bilirubin		0.10-0.30 mg/dL
Alkaline Phosphatase		12-127 U/L
GGT		0-10 U/L
ALT		14-86 U/L
AST		9-54 U/L
Creatine Kinase		22-422 U/L
Cholesterol		82-355 mg/dL
Triglycerides		30-338 mg/dl
Amylase		409-1250 U/L
Osmolality (calculated)		291-315 mmol/L

Sample ID: 19030700142
REPRINT: Orig printing on 3/7/2019 (Final)

Reviewed by: _____
Page 2

Client: **B6**
Patient: **B6**

Chet **B6**



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB:	B6	Sex:	♂	Provider:	B6
Patient ID:	B6	Age:	B6	Order Location:	Foster Hospital for Small Animals
Phone number:		Species:	Canine	Sample ID:	1903080046
Collection Date:	B6 1:20 AM	Breed:	Labrador Ret		
Approval date:	1:55 AM				

Chemistry 21 (Cobas)

		Ref. Range/Females
SLOPEZ	B6	
Glucose		67-135 mg/dL
Urea		8-30 mg/dL
Creatinine		0.6-2.0 mg/dL
Phosphorus		2.6-7.2 mg/dL
Calcium 2		9.4-11.3 mg/dL
Total Protein		5.5-7.8 g/dL
Albumin		2.8-4.0 g/dL
Globulins		2.3-4.2 g/dL
A/G Ratio		0.7-1.6
Sodium		140-150 mEq/L
Chloride		106-116 mEq/L
Potassium		3.7-5.4 mEq/L
NA/K		29-40
Total Bilirubin		0.10-0.30 mg/dL
Alkaline Phosphatase		12-127 U/L
ALT		14-86 U/L
AST	9-54 U/L	
Cholesterol	82-355 mg/dL	
Osmolality (calculated)	291-315 mmol/L	
Comments (Chemistry)		

Sample ID: 19030800461
REPRINT: Orig printing on 3/8/2019 (Final)

Reviewed by: _____

Client: **B6**
Patient: **B6**

Chem **B6**



Tufts Cummings School Of Veterinary Medicine

200 Westboro Road
North Grafton, MA 01536

DUPLICATE

Name/DOB	B6	Sex: SF	Provider: B6
Patient ID	B6	Age: B6	Order Location: Foster Hospital for Small Animals
Phone number		Species: Canine	Sample ID: 1903090030
Collection Date	B6 10:06 AM	Breed: Labrador Retr	
Approval date	11:06 AM		

Chemistry 21 (Cobas)

ABLASOTTO
Glucose
Urea
Creatinine
Phosphorus
Calcium 2
Total Protein
Albumin
Globulins
A/G Ratio
Sodium
Chloride
Potassium
NA/K
Total Bilirubin
Alkaline Phosphatase
ALT
AST
Cholesterol
Osmolality (calculated)
Comments (Chemistry)

B6

Ref. Range/Females
67-135 mg/dL
8-30 mg/dL
0.6-2.0 mg/dL
2.6-7.2 mg/dL
9.4-11.3 mg/dL
5.5-7.8 g/dL
2.8-4.0 g/dL
2.3-4.2 g/dL
0.7-1.6
140-150 mEq/L
106-116 mEq/L
3.7-5.4 mEq/L
29-40
0.10-0.30 mg/dL
12-127 U/L
14-86 U/L
9-54 U/L
82-355 mg/dL
291-315 mmol/L

Sample ID: 1903090030/1
REPRINT: Orig printing on 3/9/2019 (Final)

Reviewed by: _____

Client: **B6**
Patient:

Vitals Results

3:52:50 AM	Heart Rate (/min)
3:52:57 AM	Respiratory Rate
3:59:54 AM	Quantify IV fluids (mls)
3:59:55 AM	Catheter Assessment
5:20:46 AM	Respiratory Rate
5:54:21 AM	Nursing note
7:42:58 AM	Heart Rate (/min)
7:43:05 AM	Respiratory Rate
7:43:14 AM	Quantify IV fluids (mls)
7:43:15 AM	Catheter Assessment
7:50:02 AM	Temperature (F)
7:50:14 AM	Eliminations
7:50:23 AM	Weight (kg)
8:53:17 AM	Lasix treatment note
9:48:56 AM	Respiratory Rate
10:11:28 AM	Catheter Assessment
10:11:38 AM	Heart Rate (/min)
11:24:26 AM	Respiratory Rate
11:27:04 AM	Lasix treatment note
12:11:25 PM	Respiratory Rate
1:06:00 PM	Respiratory Rate
1:44:51 PM	FiO2 (%)
1:44:57 PM	Respiratory Rate
1:51:43 PM	Heart Rate (/min)
1:51:49 PM	Catheter Assessment
1:52:00 PM	Eliminations
2:42:42 PM	Lasix treatment note
2:47:44 PM	Respiratory Rate
3:50:15 PM	Respiratory Rate
3:50:21 PM	FiO2 (%)
5:00:03 PM	FiO2 (%)
5:00:28 PM	Respiratory Rate
5:44:53 PM	FiO2 (%)
5:45:00 PM	Respiratory Rate
5:45:37 PM	Catheter Assessment
5:47:07 PM	Heart Rate (/min)
5:47:39 PM	Temperature (F)
6:48:05 PM	Respiratory Rate
6:48:19 PM	FiO2 (%)

B6

B6

Client:
Patient:

B6

Vitals Results

7:03:39 PM	Eliminations
7:14:54 PM	Amount eaten
7:50:24 PM	FiO2 (%)
7:50:52 PM	Respiratory Rate
8:48:56 PM	FiO2 (%)
8:49:24 PM	Respiratory Rate
9:24:57 PM	Catheter Assessment
9:25:07 PM	Heart Rate (/min)
9:25:13 PM	Lasix treatment note
9:45:40 PM	FiO2 (%)
9:46:06 PM	Respiratory Rate
10:42:57 PM	Eliminations
10:45:00 PM	Eliminations
11:01:14 PM	FiO2 (%)
11:01:34 PM	Respiratory Rate
11:48:06 PM	FiO2 (%)
11:48:33 PM	Respiratory Rate
12:55:35 AM	FiO2 (%)
12:56:30 AM	Respiratory Rate
1:14:26 AM	Catheter Assessment
1:14:35 AM	Heart Rate (/min)
1:14:42 AM	Temperature (F)
1:14:53 AM	Respiratory Rate
1:57:52 AM	FiO2 (%)
1:58:50 AM	FiO2 (%)
2:58:30 AM	FiO2 (%)
2:58:42 AM	Respiratory Rate
3:10:53 AM	Lasix treatment note
3:11:15 AM	Amount eaten
4:00:18 AM	Eliminations
4:02:38 AM	FiO2 (%)
4:03:10 AM	Respiratory Rate
5:06:07 AM	FiO2 (%)
5:06:32 AM	Respiratory Rate
5:12:29 AM	Catheter Assessment
5:17:30 AM	Heart Rate (/min)
6:06:44 AM	FiO2 (%)
6:07:00 AM	Respiratory Rate
7:14:13 AM	Respiratory Rate
7:15:02 AM	FiO2 (%)
7:41:06 AM	Weight (kg)

B6

B6

Client: **B6**
Patient:

Vitals Results

7:41:24 AM	Eliminations
8:56:37 AM	FiO2 (%)
8:57:04 AM	Respiratory Rate
10:06:27 AM	FiO2 (%)
10:07:52 AM	Respiratory Rate
10:18:19 AM	Lasix treatment note
10:18:54 AM	Amount eaten
10:19:03 AM	Eliminations
10:19:41 AM	Heart Rate (/min)
10:19:46 AM	Catheter Assessment
11:10:00 AM	FiO2 (%)
11:11:02 AM	Respiratory Rate
11:57:45 AM	FiO2 (%)
12:00:20 PM	Respiratory Rate
1:10:54 PM	FiO2 (%)
1:11:44 PM	Respiratory Rate
1:29:44 PM	Respiratory Rate
1:30:06 PM	FiO2 (%)
1:40:56 PM	Catheter Assessment
1:41:10 PM	Heart Rate (/min)
1:41:16 PM	Eliminations
2:59:34 PM	FiO2 (%)
3:00:41 PM	Respiratory Rate
3:11:32 PM	Respiratory Rate
3:11:46 PM	FiO2 (%)
3:59:08 PM	Lasix treatment note
4:21:13 PM	Nursing note
4:30:10 PM	Eliminations
4:44:29 PM	FiO2 (%)
4:44:55 PM	Respiratory Rate
5:05:50 PM	Amount eaten
5:38:23 PM	Heart Rate (/min)
5:38:35 PM	Respiratory Rate
5:38:56 PM	FiO2 (%)
6:54:07 PM	FiO2 (%)
6:54:44 PM	Respiratory Rate
7:47:47 PM	FiO2 (%)
7:48:10 PM	Respiratory Rate
8:48:56 PM	Respiratory Rate
8:49:08 PM	FiO2 (%)

B6

B6

Client: **B6**
Patient:

Vitals Results

9:47:06 PM	Respiratory Rate
9:47:13 PM	Heart Rate (/min)
9:47:21 PM	Catheter Assessment
9:52:03 PM	FiO2 (%)
10:45:42 PM	FiO2 (%)
10:46:08 PM	Respiratory Rate
11:58:49 PM	Respiratory Rate
11:58:56 PM	Eliminations
11:59:23 PM	FiO2 (%)
12:01:30 AM	Lasix treatment note
12:17:56 AM	Catheter Assessment
1:02:08 AM	FiO2 (%)
1:02:36 AM	Respiratory Rate
1:37:14 AM	Heart Rate (/min)
2:00:25 AM	FiO2 (%)
2:00:44 AM	Respiratory Rate
3:05:32 AM	Respiratory Rate
3:06:43 AM	FiO2 (%)
3:40:45 AM	Eliminations
3:40:59 AM	Eliminations
3:59:51 AM	FiO2 (%)
4:00:03 AM	Respiratory Rate
5:35:43 AM	FiO2 (%)
5:35:53 AM	Respiratory Rate
5:36:21 AM	Catheter Assessment
5:36:50 AM	Amount eaten
5:56:31 AM	FiO2 (%)
5:59:09 AM	Heart Rate (/min)
5:59:20 AM	Respiratory Rate
7:00:36 AM	Respiratory Rate
7:02:32 AM	FiO2 (%)
7:21:25 AM	Weight (kg)
7:21:43 AM	Eliminations
8:02:02 AM	FiO2 (%)
8:05:17 AM	Respiratory Rate
8:33:23 AM	Lasix treatment note
9:02:29 AM	Catheter Assessment
9:02:36 AM	Respiratory Rate
9:03:21 AM	Nursing note
9:58:13 AM	Respiratory Rate
10:04:58 AM	Heart Rate (/min)

B6

B6

Client: **B6**
Patient:

Vitals Results

B6	10:50:50 AM	Respiratory Rate	B6
	10:51:09 AM	FiO2 (%)	
	11:22:07 AM	Eliminations	
	12:05:25 PM	FiO2 (%)	
	12:05:51 PM	Respiratory Rate	
	12:48:46 PM	Respiratory Rate	
	1:24:42 PM	Catheter Assessment	
	1:24:51 PM	Heart Rate (/min)	
	1:25:01 PM	Eliminations	
	1:50:13 PM	Respiratory Rate	

Client: **B6**
Patient: **B6**

ECG from cardio

B6

B6

3:27:45 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

12 Lead: Standard Placement

B6

Client: **B6**
Patient: **B6**

ECG from cardio

B6

B6

3:29:14 PM

Tufts University
Tufts Cummings School of Vet Med
Cardiology

12 Lead: Standard Placement

B6

Client: **B6**
Patient:

ECG from cardio

B6

B6

:29:35 PM

Page 1 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

12 Lead: Standard Placement

B6

Client: **B6**
Patient:

ECG from cardio

B6

B6 3:29:35 PM

Page 2 of 2

Tufts University
Tufts Cummings School of Vet Med
Cardiology

B6

From: Jones, Jennifer L </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0f6ca12eaa9348959a4cbb1e829af244-Jennifer.Jo>
To: Rotstein, David; Palmer, Lee Anne; Carey, Lauren; Queen, Jackie L
CC: Ceric, Olgica; Peloquin, Sarah
Sent: 9/25/2018 6:51:43 PM
Subject: RE: 800.267-EON-361371; [B6] Acana Pork and Squash
Attachments: MRx.zip

Cardio MRx still pending-2nd request today

[B6] 4 yr MC Golden Retriever
Hx-3/2015-cytology, begin long term SP Cardiac Support K9-100g; 5/2016 possible Tau supplement-begin SP
[B6] L-carnitine
4/2017-T 102.9, HR 94, [B6] EPA, DHA; [B6]
11/2017 [B6]
4/18/2018-WB Tau [B6] Plasma [B6]
5/10/2018 [B6]
5/14: diet change, melena
8/16/2018 [B6]

[B6] dog-Tau WB [B6] Plasma [B6]

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: Jones, Jennifer L
Sent: Wednesday, August 08, 2018 2:16 PM
To: Rotstein, David <David.Rotstein@fda.hhs.gov>; Palmer, Lee Anne <LeeAnne.Palmer@fda.hhs.gov>; Carey, Lauren <Lauren.Carey@fda.hhs.gov>; Queen, Jackie L <Jackie.Queen@fda.hhs.gov>
Cc: 'Reimschuessel, Renate (Renate.Reimschuessel@fda.hhs.gov)' <Renate.Reimschuessel@fda.hhs.gov>; Ceric, Olgica <Olgica.Ceric@fda.hhs.gov>; Nemser, Sarah <Sarah.Nemser@fda.hhs.gov>; Peloquin, Sarah <Sarah.Peloquin@fda.hhs.gov>
Subject: RE: 800.267-EON-361371; [B6] Acana Pork and Squash

MRx pending + Interview, no food
FYI-Joshua Stern encouraged her to submit the report to FDA. I'm assuming that's also why we've gotten more golden retrievers.

2 dogs in this home-both low Tau
[B6] -born w/ [B6] but apparently L-sided DCM
2nd dog-low Tau, no ECHO done

Jennifer Jones, DVM
Veterinary Medical Officer
Tel: 240-402-5421



From: PFR Event [mailto:pfpreventcreation@fda.hhs.gov]
Sent: Saturday, August 04, 2018 9:32 PM
To: Cleary, Michael * <Michael.Cleary@fda.hhs.gov>; HQ Pet Food Report Notification <HQPetFoodReportNotification@fda.hhs.gov> [B6]
Subject: Acana Pork and Squash; [B6] - EON-361371

A PFR Report has been received and PFR Event [EON-361371] has been created in the EON System.

A "PDF" report by name "2053236-report.pdf" is attached to this email notification for your reference.

Below is the summary of the report:

EON Key: EON-361371

ICSR #: 2053236

EON Title: PFR Event created for Acana Pork and Squash; 2053236

AE Date	04/12/2016	Number Fed/Exposed	2
Best By Date		Number Reacted	1
Animal Species	Dog	Outcome to Date	Unknown
Breed	Retriever - Golden		
Age	4 Years		
District Involved	PFR B6 DO		

Product information

Individual Case Safety Report Number: 2053236

Product Group: Pet Food

Product Name: Acana Pork and Squash

Description: This is not an event that suddenly occurred. My dog was diagnosed with dilated cardiomyopathy at 2 years old. I enrolled him in the taurine deficient study done by Dr. Joshua Stern at UC Davis. He was eating Acana Pork & Squash since he was a puppy. His taurine was tested (4-18) and his whole blood is **B6** and plasma **B6**. Since his taurine level is low, I was told to supplement him with taurine and take him off the current dog food. I was told his food could cause taurine deficient dilated cardiomyopathy. He will be re-tested in the upcoming months. It is not know at this time if the dog food contributed to his disease or caused it. The study is still on going.

Submission Type: Initial

Report Type: Adverse Event (a symptom, reaction or disease associated with the product)

Outcome of reaction/event at the time of last observation: Unknown

Number of Animals Treated With Product: 2

Number of Animals Reacted With Product: 1

Product Name	Lot Number or ID	Best By Date
Acana Pork and Squash		

Sender information

B6

USA

To view this PFR Event, please click the link below:

<https://eon.fda.gov/eon//browse/EON-361371>

To view the PFR Event Report, please click the link below:

<https://eon.fda.gov/eon//EventCustomDetailsAction!viewReport.jspx?decorator=none&e=0&issueType=12&issueId=378105>

=====

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Client: **B6** Patient: **B6**

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MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

DIAGNOSTIC REPORT

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B6 Hospital
B6

Client: B6

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B6 Hospital
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Client: **B6** Patient: **B6**

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B6 Hospital
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Client: **B6** Patient: **B6**

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MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

DIAGNOSTIC REPORT

Test	Results	Reference	Unit
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B6 Hospital
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Client: **B6** Patient: **B6**

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MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

DIAGNOSTIC REPORT

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B6 Hospital
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Client: **B6** Patient: **B6**

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MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

DIAGNOSTIC REPORT

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B6 Hospital
18 **B6**

Client: **B6** Patient: **B6**

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MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

DIAGNOSTIC REPORT

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B6 Hospital
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Client: **B6** Patient: **B6**
MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

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DIAGNOSTIC REPORT

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B6 Hospital
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Client: **B6** Patient: **B6**

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MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

DIAGNOSTIC REPORT

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B6 Hospital
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Client: **B6** Patient: **B6**
MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

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DIAGNOSTIC REPORT

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B6 Hospital **B6**

Client: **B6** Patient: **B6**

MEDICAL HISTORY: 27-Mar-2014 to 22-Aug-2018

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DIAGNOSTIC REPORT

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B6 Hospital
B6

From: [redacted] B6
To: Jones, Jennifer L
Sent: 9/25/2018 9:18:30 PM
Subject: Documents from [redacted] B6 [redacted] B6 for Patient [redacted] B6 (246950), Client [redacted] B6
Attachments: 246950 [redacted] B6 - August 22, 2018.pdf; [redacted] B6 246950.pdf

[redacted] B6
800.267-FDA Case Investigation for [redacted] B6 (EON-361371)

From: [B6]
To: Jones, Jennifer L
Sent: 9/25/2018 9:19:41 PM
Subject: Documents from [B6] for Patient [B6] Client: [B6]
Attachments: [B6]-246950.pdf

[B6]
800.267-FDA Case Investigation for [B6] (EON-361371)

From: [REDACTED] **B6**
To: Jones, Jennifer L
Sent: 9/25/2018 9:20:33 PM
Subject: Documents from: [REDACTED] **B6** for Patient: [REDACTED] **B6** (246950), Client: [REDACTED] **B6**
Attachments: [REDACTED] **B6** 246950.pdf; [REDACTED] **B6** August 29, 2017.doc

800.267-FDA Case Investigation for: [REDACTED] **B6** (EON-361371)
[REDACTED] **B6**