EYLEA[®] (aflibercept) for the Treatment of Retinopathy of Prematurity (ROP) January 09, 2023

CO-1

Dermatologic and Ophthalmic Drugs Advisory Committee Regeneron Pharmaceuticals, Inc.



Introduction

Boaz Hirshberg, MD, MBA

SVP, Clinical Sciences General Medicine Regeneron Pharmaceuticals, Inc.

Aflibercept (EYLEA[®]): FDA and Globally Approved Anti-VEGF

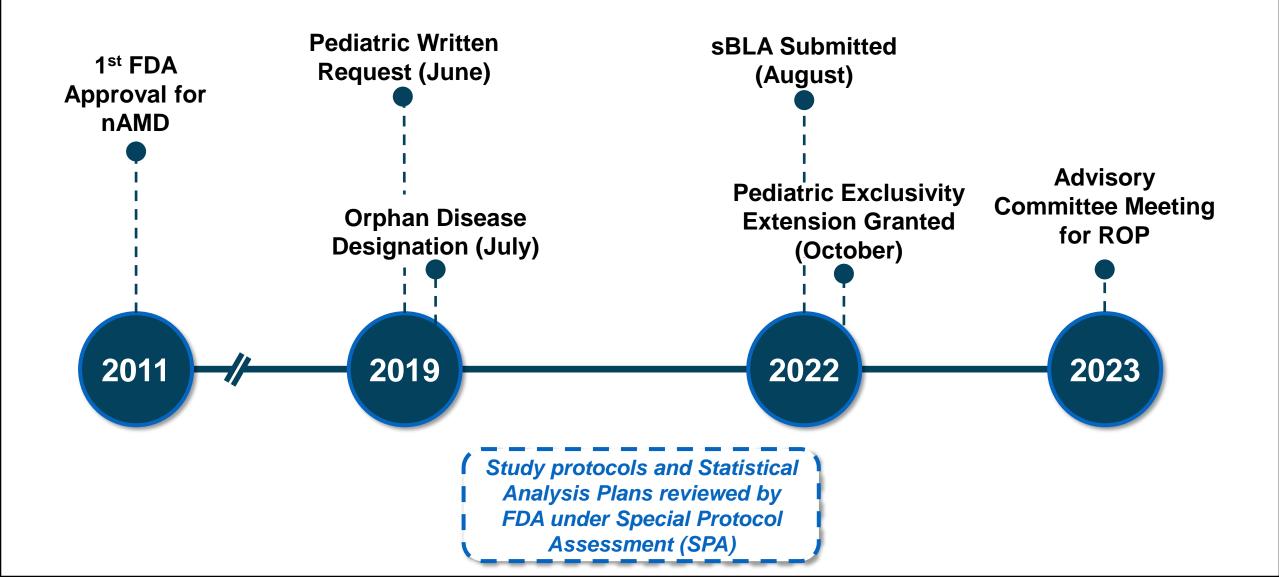
- Current US adult indications for aflibercept 2 mg
 - Neovascular (Wet) Age-Related Macular Degeneration (nAMD)

- Macular Edema Following Retinal Vein Occlusion (MEfRVO)
- Diabetic Macular Edema (DME)
- Diabetic Retinopathy (DR)
- Authorized outside US in > 100 countries
- Regulatory decisions regarding EYLEA in ROP
 - Approved for ROP in Japan (2022)
 - Approved for ROP in European Union (2022)

Role of VEGF in ROP is Well Understood

- Vascularization of retina occurs late in gestation
 - Completion occurs shortly before 39 40 weeks
- Premature birth interrupts normal retinal development
- Avascularized, ischemic retina upregulates VEGF and other related cytokines
- Overexpression of VEGF leads to pathologic neovascularization
- Aflibercept binds to VEGF preventing activation of VEGF receptors and halting the formation of abnormal blood vessels

Aflibercept for ROP Regulatory History



Indication and Recommended Dose

Aflibercept 0.4 mg administered by intravitreal injection for the treatment of retinopathy of prematurity

Totality of Data Supports Aflibercept for Premature Infants with ROP

✓ Severe vision impairing disease

✓ Only FDA-cleared laser therapy

✓ No approved pharmacologic agents in US

Unmet Need

Efficacy

- Aflibercept offers meaningful clinical and practical benefits
- ✓ Clinical trial data build on data from increasing off-label anti-VEGF use

Safety

 Acceptable safety profile in pediatric population and > 10 years of FDA approved use in adult indications

Importance of Updated Eylea Labeling and Communication to Providers and Caregivers

- As part of FDA's pediatric written request, ROP clinical trial data will be included in Eylea label
 - Labeling important tool to inform physicians of proper use and dosing

- Approval allows for proactive education on appropriate patient follow-up for prescribers
- Regulated pharmacovigilance to monitor and report ongoing safety
- Long-term follow-up, through 5 years of age, underway

Agenda

Unmet Need

Faruk Örge, MD

Professor of Ophthalmology and Pediatrics Case Western Reserve University Director of Pediatric Ophthalmology and Adult Strabismus Rainbow Babies and Children's Hospital

Efficacy

Robert Vitti, MD

VP, Clinical Sciences Ophthalmology Regeneron Pharmaceuticals Inc.

Safety

Suzanne Green, MBChB

Therapeutic Area Head, Global Patient Safety Regeneron Pharmaceuticals, Inc.

Clinical Perspective

Steven Donn, MD, FAAP, FAARC

Professor Emeritus of Pediatrics Division of Neonatal-Perinatal Medicine University of Michigan Medical School

Additional Experts

Thomas DiCioccio, PhD

Vice President, Pharmacometrics Regeneron Pharmaceuticals, Inc.

Benjamin Drosman RPh, MBA

Senior Vice President, Ophthalmology Regulatory Affairs Regeneron Pharmaceuticals, Inc.

Bret Musser, PhD

Head of Biostatistics Regeneron Pharmaceuticals, Inc.



Disease Background and Unmet Need

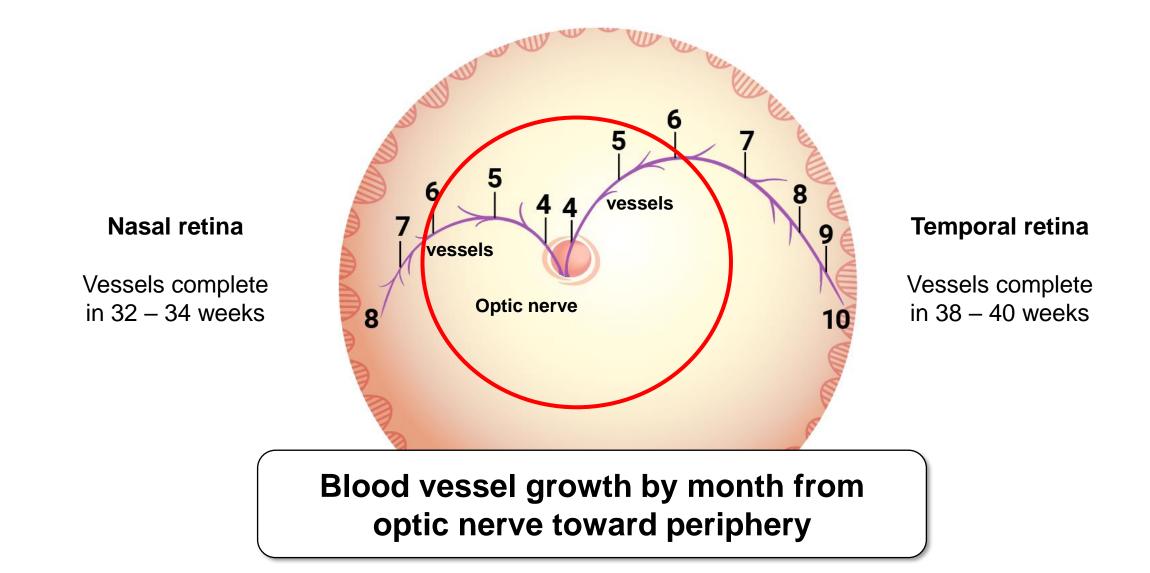
Faruk H. Örge MD, FAAO, FAAP

William R. and Margaret E. Althans Chair and Professor
Director, Center for Pediatric Ophthalmology and
Adult Strabismus
Rainbow Babies and Children's Hospital
Department of Ophthalmology and Visual Sciences
Professor of Ophthalmology and Pediatrics, Case Western
Reserve University School of Medicine
IPOSC Immediate Past President
KTEF PEOC Editor in Chief

Retinopathy of Prematurity: A Rare, Vision-Impairing, ^{co-12} and Potentially Blinding Retinal Disease

- A leading cause of preventable childhood blindness worldwide
 - Incidence increasing due to improved survival of extremely premature newborns
- Incomplete development of peripheral retina vascularization leads to ischemia and production of VEGF
 - Neovascularization
 - Potential retinal detachment
- ~1500 babies per year require treatment
 - Born < 32 weeks' gestational age
 - Weighing < 1500 grams (3.3 lbs)

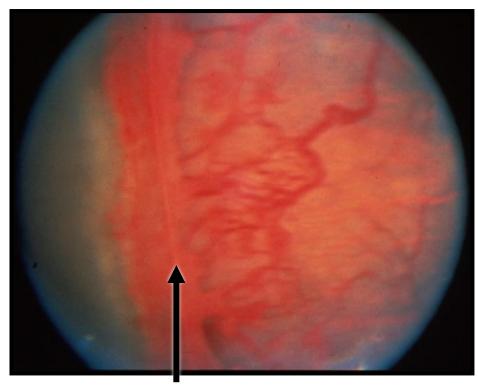
Retinal Vascular Development Begins at 16 Weeks Gestation



Treatment is Needed if ROP is Severe

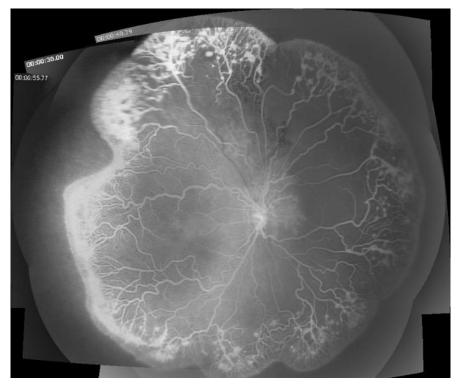
Retinas with ROP

Photography

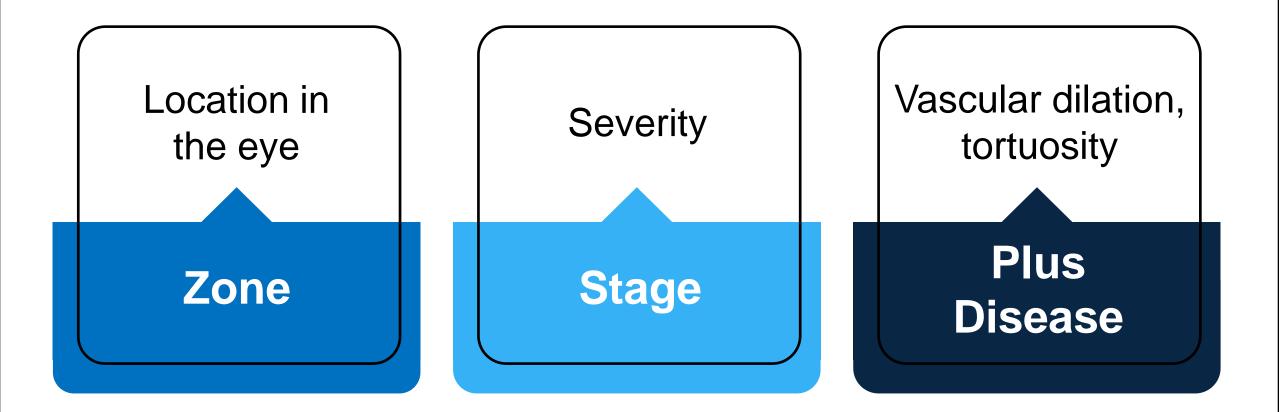


Blood vessel growth stimulated by VEGF

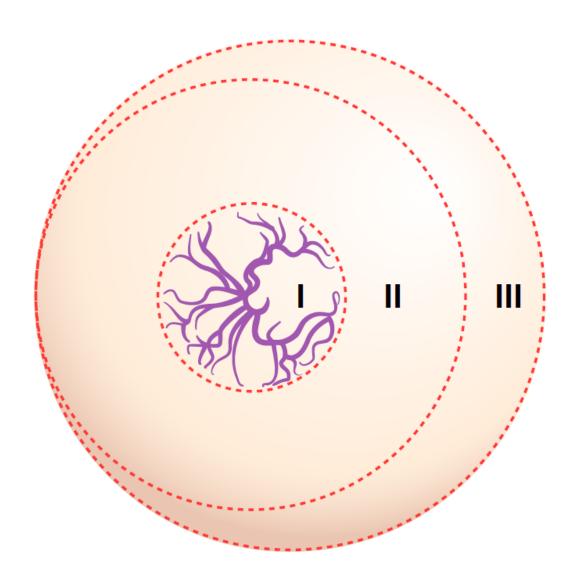
Angiography



Classification of ROP: International Classification of Retinopathy of Prematurity (ICROP)



Classification of ROP: Zone Location



Zone I Most posterior Most severe

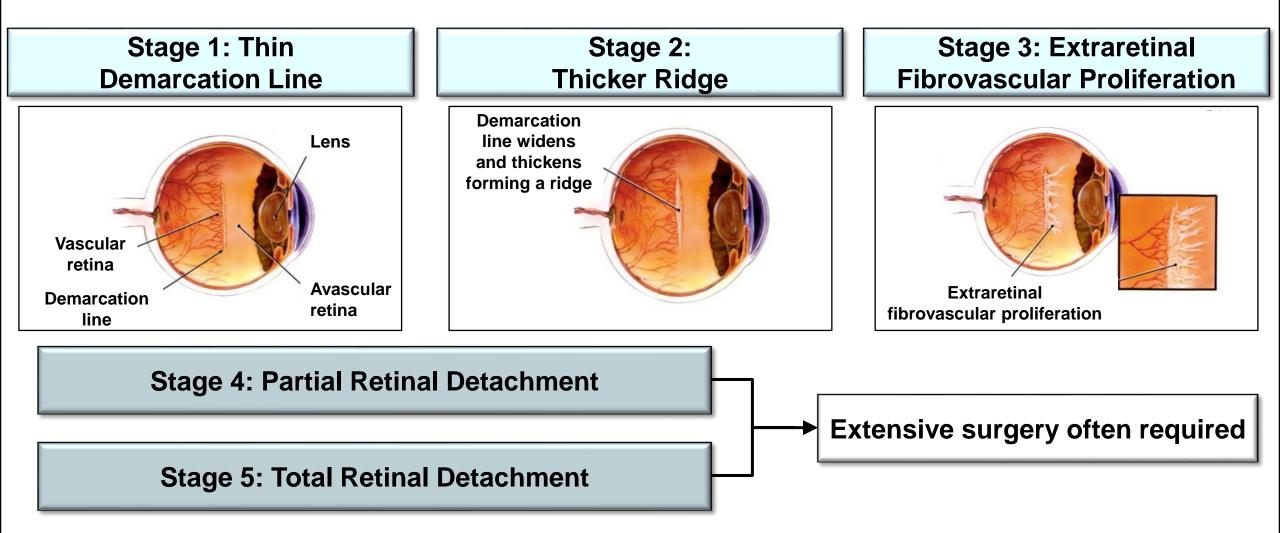
Zone II

Most common

Zone III

Most peripheral Least severe

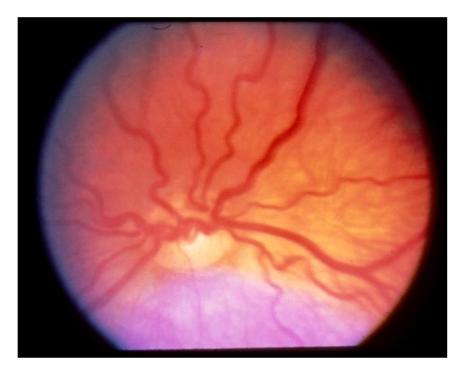
Classification of ROP: Stages of Severity



International Committee for the Classification of Retinopathy of Prematurity, 2005

ROP Classification: Plus Disease

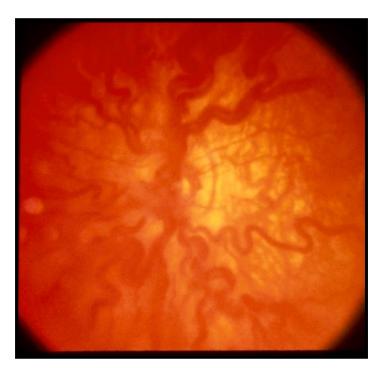
Mild Plus Disease (+)



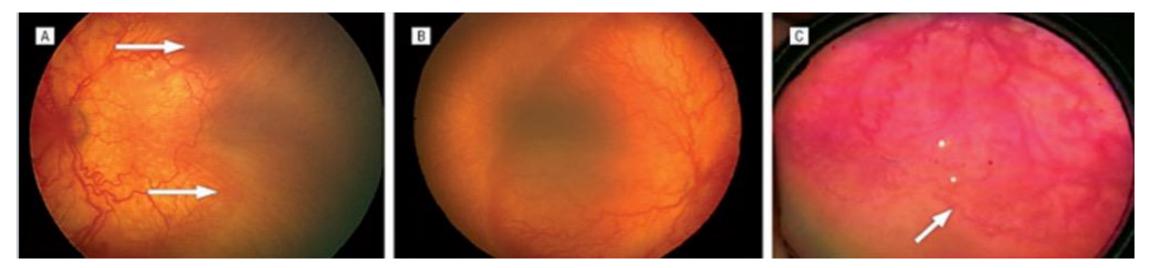
Moderate Plus Disease (+)



Severe Plus Disease (+)



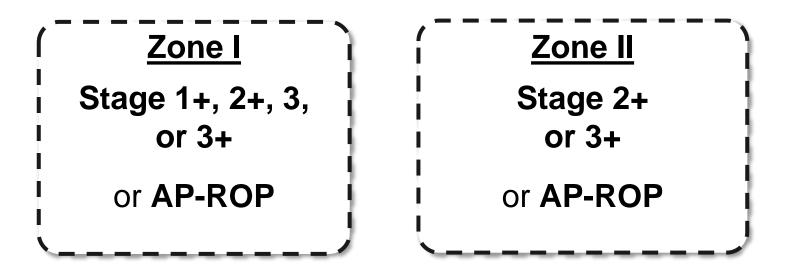
ROP Classification: AP-ROP





AP-ROP = Aggressive posterior retinopathy of prematurity

Treatment-Requiring ROP (Type 1)



CO-20

Prompt treatment required to avoid

- Retinal detachment
- Extensive surgery
- Complications
- Blindness

Limited Current Options for Patients with ROP

- Standard of care recognized¹
 - Laser photocoagulation therapy
 - Off-label use of anti-VEGF
- National organizations acknowledge off-label use, potential benefits of anti-VEGF, recommendations for follow-up
- No pharmacologic agents currently approved in US

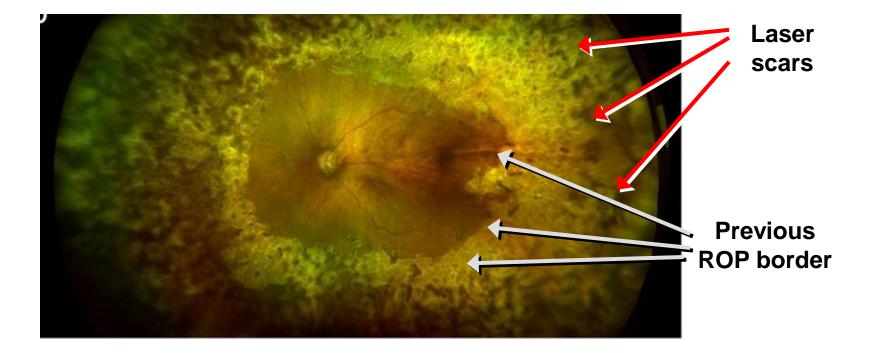
Laser Photocoagulation

Laser Photocoagulation is Effective but Comes with Challenges

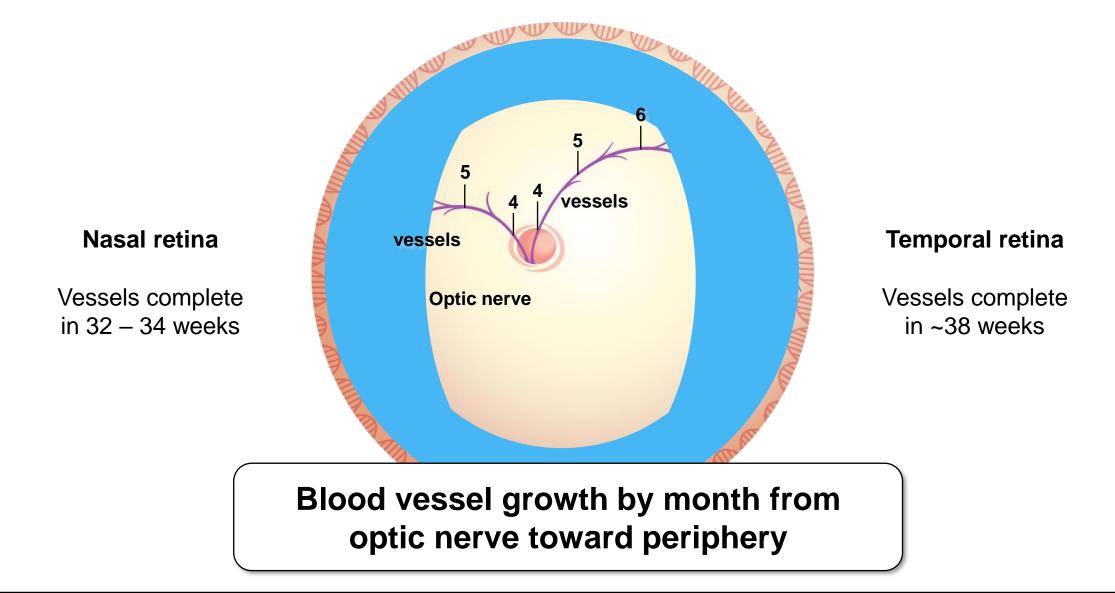
- Typically requires prolonged sedation/general anesthesia and location designated for use
- Can limit access to care and require babies to be moved to specialized setting
- Extensive learning curve improper administration leads to variable outcomes

Laser Therapy Inherently Destructive

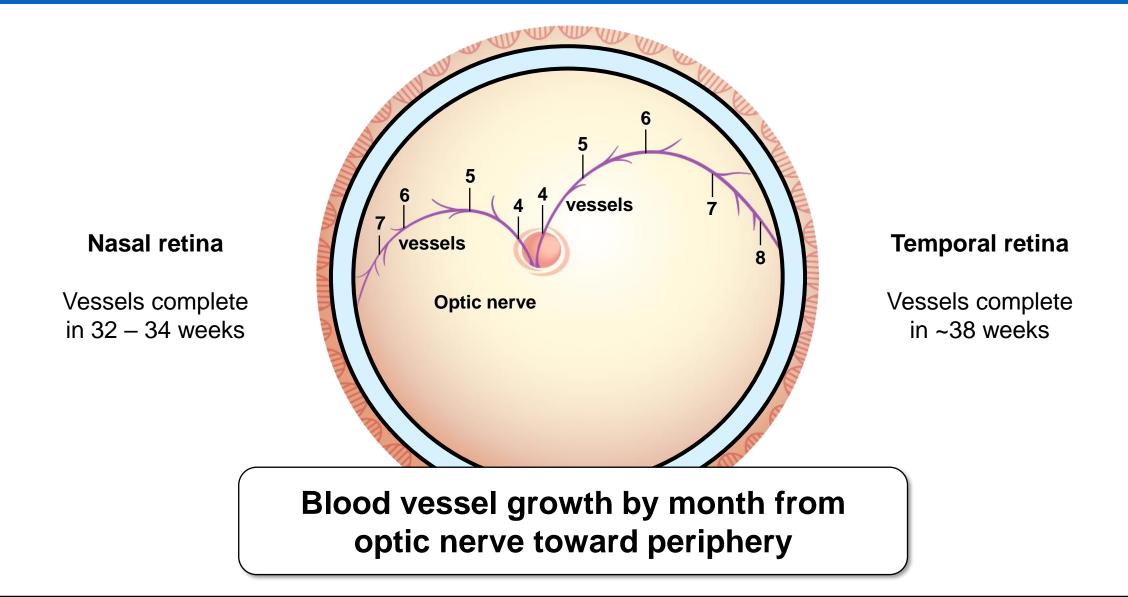
- Results in loss of peripheral vision
- ~50% of patients develop high myopia¹



Larger Portion of Retina Destroyed When Normal Vessels are Not Fully Developed



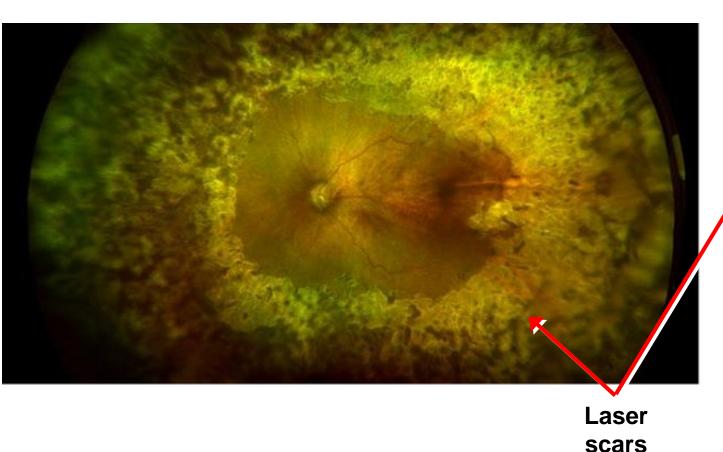
Later Use of Laser Therapy, When Normal Vessels Fully Develop, Reduces Retinal Destruction

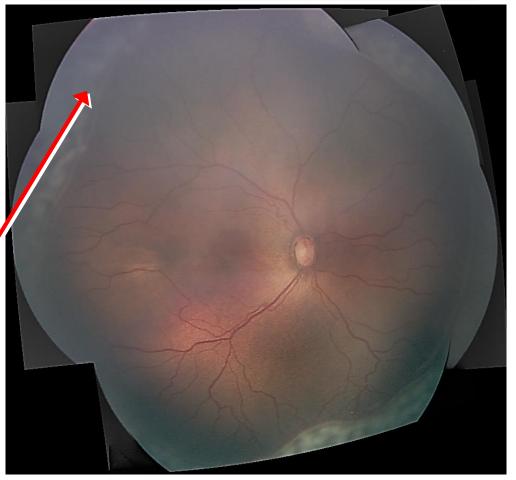


Retinal Images After Laser Therapy: Less Post-Laser Scaring Achieved in Older Babies

Laser Treatment at 30 weeks

Laser Treatment at 38 weeks





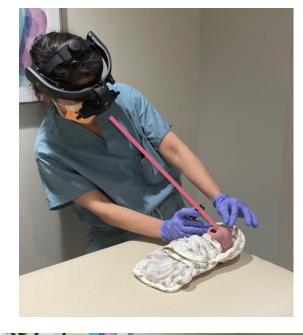
Laser Therapy Procedure is Extremely Challenging and Not Always Possible for Fragile Babies



Surgeon focuses laser on retina

- Small head movements to direct laser
- Maintain stability of lens
- Foot pedal fires laser
- Repeat process 1500 2000 times

Laser Therapy Procedure is Extremely Challenging and Not Always Possible for Fragile Babies









Laser Therapy Procedure is Extremely Challenging and Not Always Possible for Fragile Babies



Off-Label Use of Anti-VEGF

Promising Early Data Prompting Off-Label Anti-VEGF Use

- BEAT-ROP: bevacizumab (0.625 mg) vs laser therapy¹
 - n=75 patients in both groups
 - Patients stratified by Zone I or II
 - Duration: ~20 weeks of follow-up
 - Significant treatment difference in Zone I, comparable in Zone II

CO-32

- RAINBOW: ranibizumab vs laser therapy²
 - 0.1 mg (n=77), 0.2 mg (n=74), laser (n=74)
 - Duration: 24 weeks of follow-up
 - Ranibizumab (0.2 mg): 80% success rate

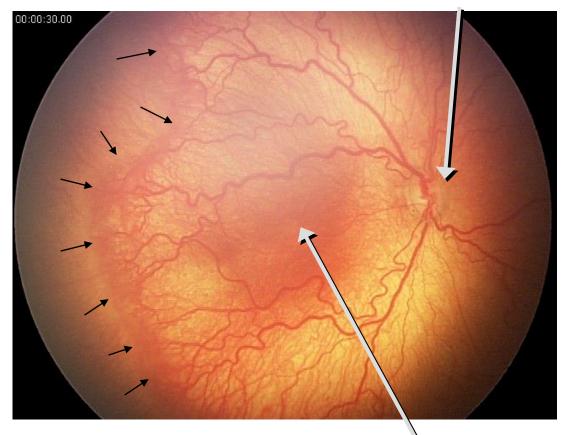
1. Mintz-Hittner, 2011; 2. Stahl, 2019

Advantages of Anti-VEGF for ROP

- Rapid neutralization of VEGF
- Rapid effect needed in AP-ROP
- Quick procedure, typically with only topical anesthesia
- Administered at bedside
- Administered even with poor pupil dilation
- Preservation of visual field
- Less high myopia
- Promotes growth of normal vasculature while shrinking growth of abnormal vessels

Patient with Significant ROP Requiring Treatment: Zone 1 Stage 3 ROP with Plus Disease

Optic nerve: retinal vessels grow from nerve head into retina



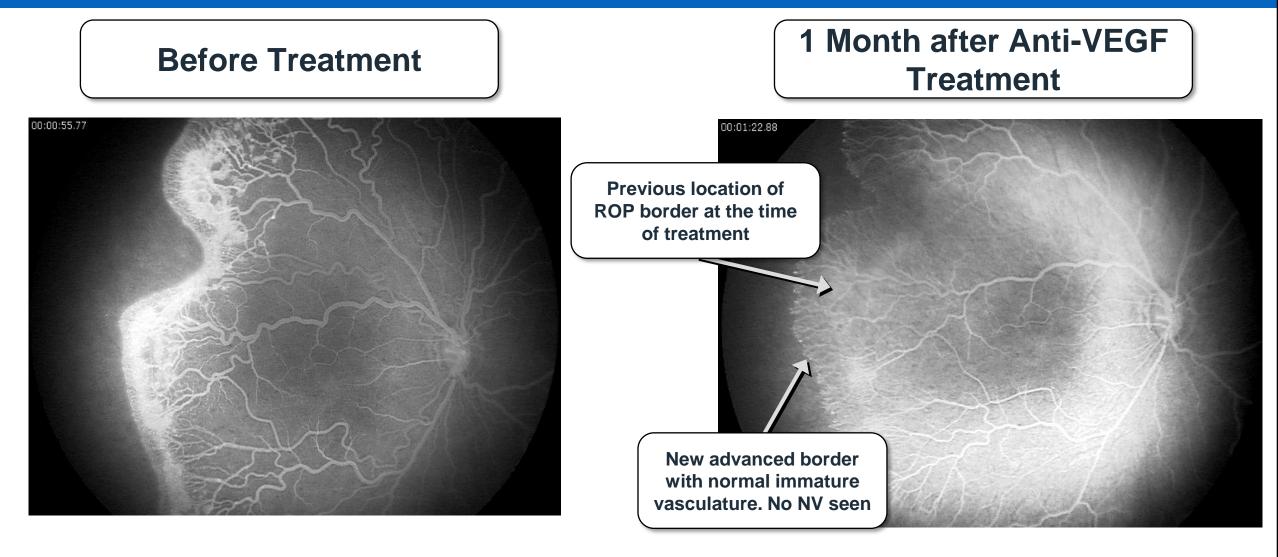
Fovea: Central vision corresponds to this anatomical structure

00:00:55.77

CO-34

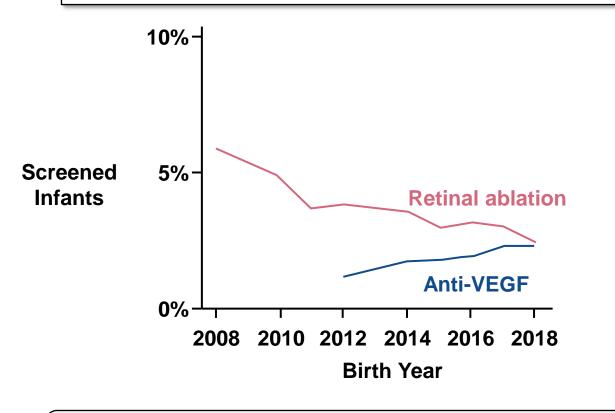
New and abnormal vascularization formed at border of ROP. New but small vessels have taken up fluoresceine dye as they light up as white, under dark background

Zone 1 Stage 3 ROP with Plus Disease Fluorescein Angiography



Off-Label Use of Anti-VEGF Therapy Increasing Due to Promising Efficacy and Safety Findings

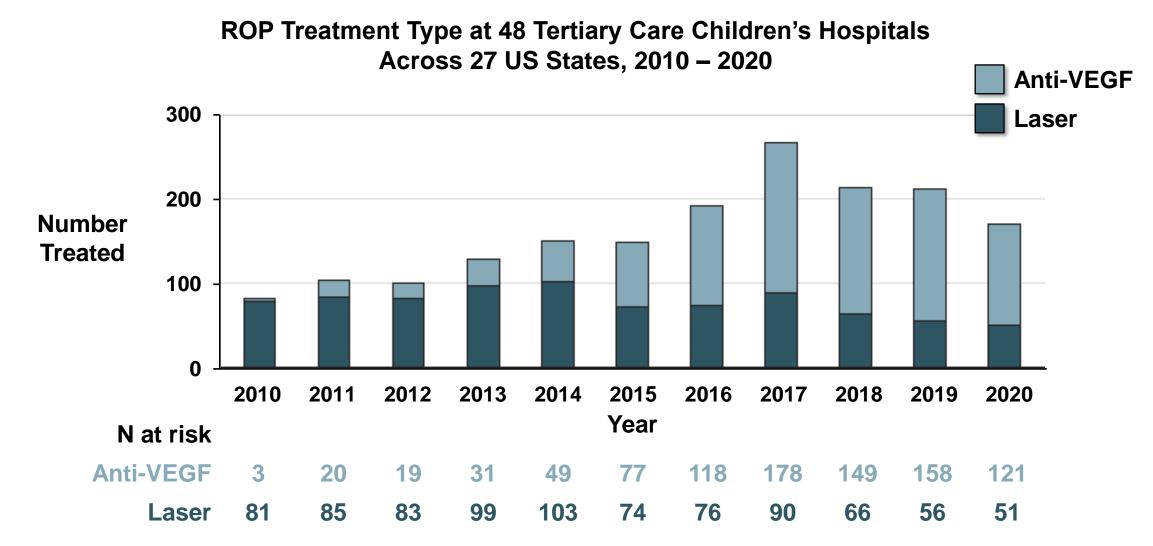
Trends in Retinopathy of Prematurity Screening and Treatment: 2008 – 2018



381,065 very low birth weight infants at 819 US NICU participating in Vermont Oxford Network

Use of Anti-VEGF Treatment has Increased Among ROP-Treated Patients in United States

CO-37



Nitkin, JAMA Ophthalmol., 2022 *infants receiving both laser and anti-VEGF excluded from study

Follow-up After Anti-VEGF Treatment

- Growth of normal vessels could be at a different pace after anti-VEGF treatment
- Baby needs to be followed to rule out reactivation or until their retinal vasculature is matured
- Subset of babies whose vessels do not mature will end up needing laser
- Appropriate follow-up should be performed after any ROP treatment, including anti-VEGFs
- Follow-up recommended in current treatment guidelines and in common practice of ROP community

Summary of Unmet Need

Pharmaceutical option comparable to laser needed

Without associated safety and practice challenges

Approved labeling of an anti-VEGF treatment

- Provide consistent information for use
- Appropriate monitoring
- Improve access for patients

Advances needed for treatment of ROP



Efficacy

Robert Vitti, MD, MBA

VP, Clinical Sciences Ophthalmology Regeneron Pharmaceuticals, Inc.

Clinical Development Program

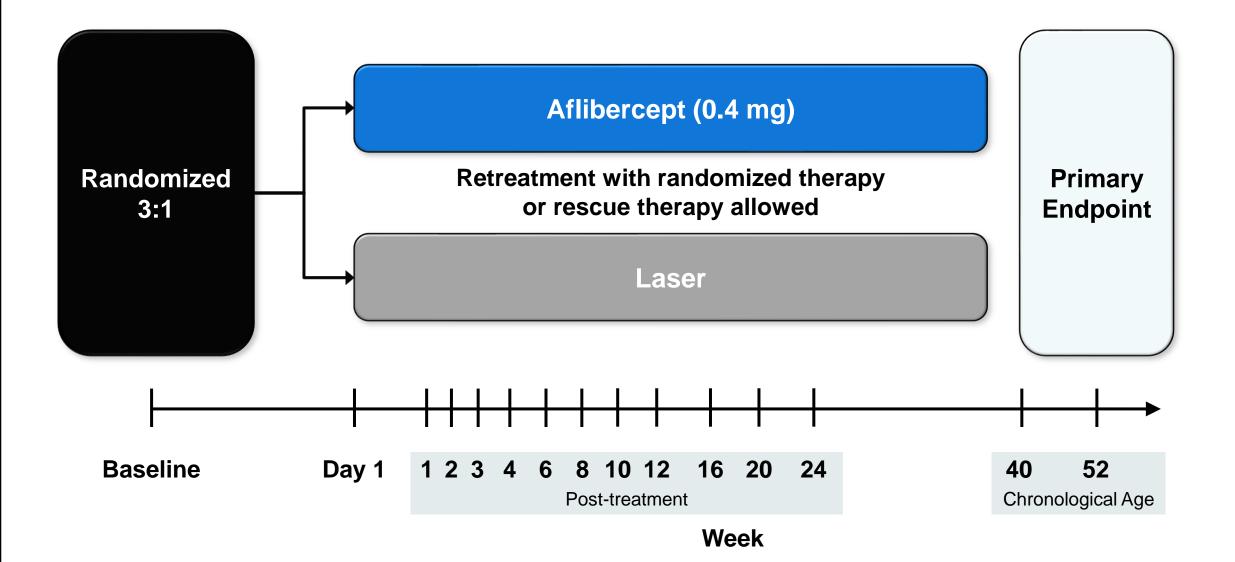
BUTTERFLEYE / BUTTERFLEYE NEXT (Study 1920 / 2036)

- Aflibercept vs laser therapy
- 39 global sites: US, Europe, Asia, South America
- 1° at 52 weeks chronological age
- Observational follow-up through 5 years of age

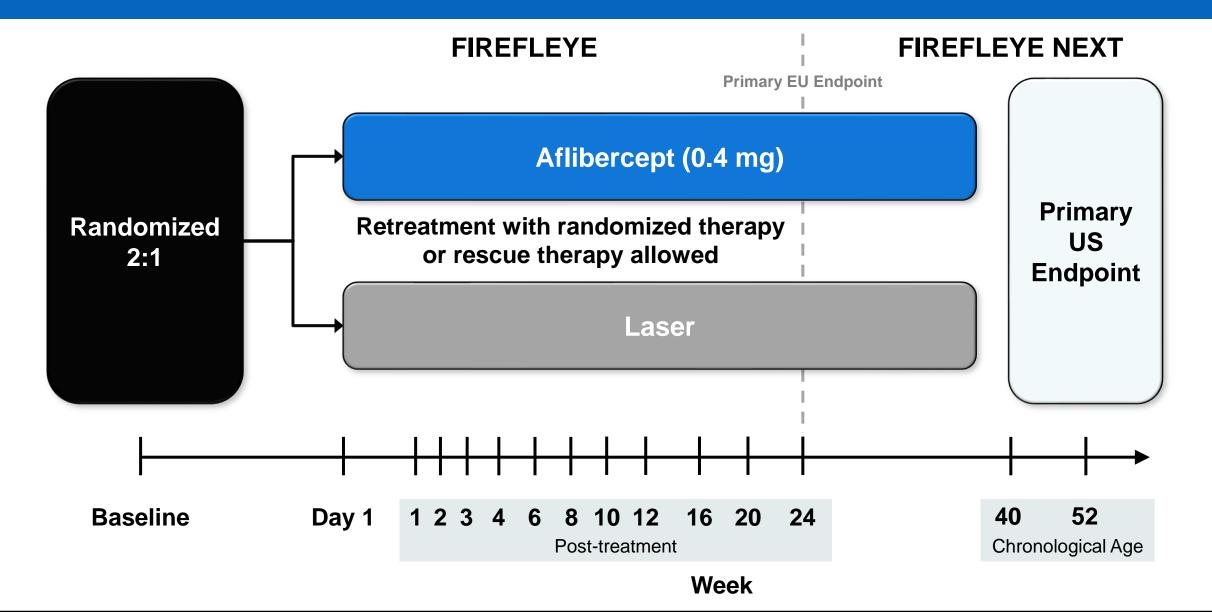
FIREFLEYE / FIREFLEYE NEXT (Study 20090 / 20275)

- Aflibercept vs laser therapy
- 63 global sites: Europe, Asia, South America
- 1° at 52 weeks chronological age
- Observational follow-up through 5 years of age

Study Design – BUTTERFLEYE



Study Design – FIREFLEYE / FIREFLEYE NEXT



Similar Patient Population in Both Phase 3 Studies

- Gestational age at birth \leq 32 weeks or birth weight \leq 1500 g
- Weight at baseline (day of treatment) \geq 800 g
- Treatment-naïve ROP classified according to ICROP* in at least one eye
 - Zone I Stage 1 plus, or 2 plus, or 3 non-plus or 3 plus, or
 - Zone II Stage 2 plus or 3 plus, or
 - Aggressive posterior-ROP (AP-ROP)
- If only one eye treated, second eye monitored for Type I ROP development, received same randomized treatment if needed

Same Endpoints in Both Phase 3 Studies

- Primary endpoint
 - Proportion of patients with absence of both active ROP and unfavorable structural outcomes at 52 weeks CA
- Secondary endpoints
 - Proportion of patients requiring intervention with a second treatment modality to 52 weeks CA
 - Proportion of patients with recurrence of ROP to 52 weeks CA
- Relevant exploratory endpoints
 - Requirement for sedation or general anesthesia
 - Time required to perform treatment

CA = Chronological age

Basis of Non-Inferiority Design and Margin

- Orphan population strong consideration for sample size
 - N = 150 infants treated with aflibercept across two studies

- FDA agreed adequate to assess safety and tolerability
- NI design pragmatic way to establish efficacy
 - Appropriate to compare two treatments with evidence of effectiveness
 - Anti-VEGF offers additional benefits
- RAINBOW informed NI margin of 5%
 - RAINBOW¹ (ranibizumab vs laser) showed laser success rate of 66% and anti-VEGF success rate of 80%
- 2-sided significance level of 0.049 (adjusted for IDMC assessments)

Demographics Similar Across Studies

	BUTTE	RFLEYE	FIREF	FLEYE
	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Male	44%	63%	55%	50%
Race				
White	28%	41%	73%	74%
Asian	47%	48%	23%	24%
Black or African American	7%	7%	3%	0%
Other/Not reported*	18%	4%	1%	3%
Gestational age at birth (weeks), mean (SD)	27.3 (2.8)	27.1 (2.7)	26.5 (2.1)	26.0 (1.6)
Chronological age at baseline (weeks), mean (SD)	9.8 (3.1)	11.1 (4.3)	10.4 (2.8)	10.2 (2.3)
Birth weight (g), mean (SD)	991.2 (407.0)	934.1 (406.6)	881.1 (305.6)	824.6 (230.8)
Baseline weight (g), mean (SD)	2058.3 (548.3)	2248.1 (725.0)	2026.7 (678.9)	1850.9 (546.1)
ludes self-reported multiracial in BUTTERFLEYE			1	

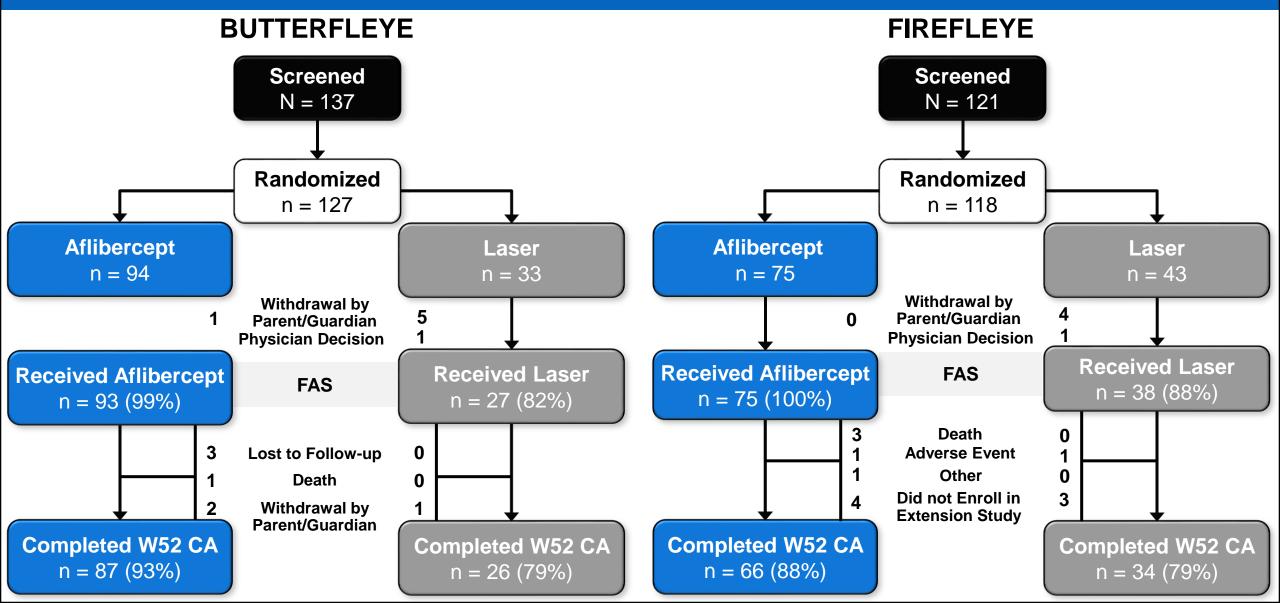
Disease Characteristics Similar Across Studies

	BUTTEI	BUTTERFLEYE		LEYE
	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Laterality of eyes treated				
Unilateral	8%	15%	5%	11%
Bilateral	92%	85%	95%	89%
Number of eyes treated	179	50	146	72
ROP Zone, by eye				
Zone I	26%	26%	35%	29%
AP-ROP	11%	6%	16%	11%
Zone II	74%	74%	65%	71%
AP-ROP	4%	6%	3%	3%

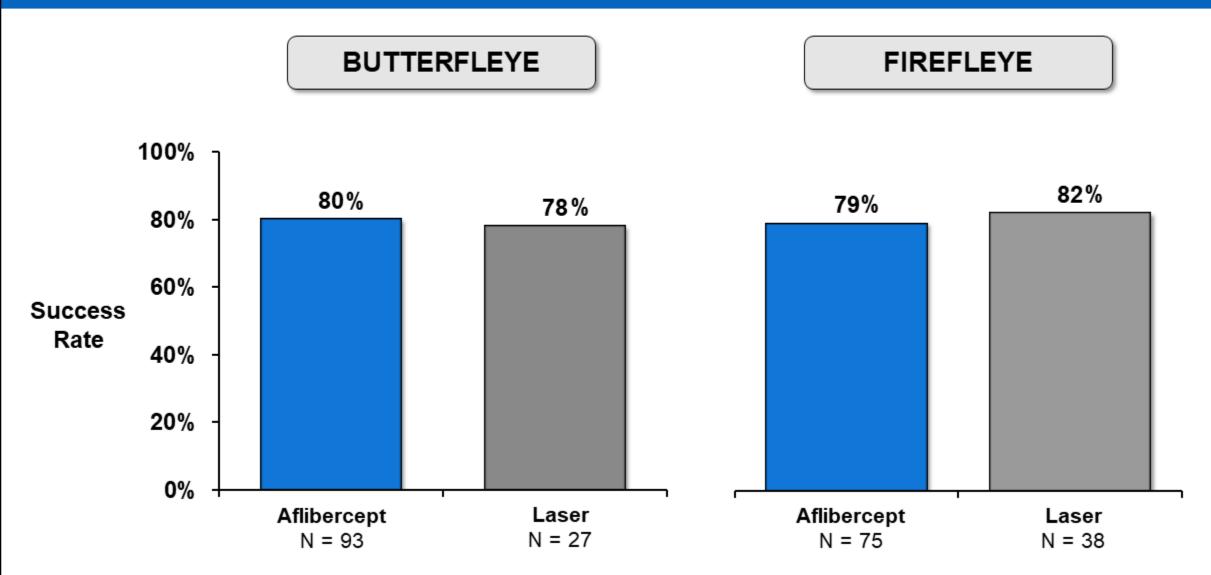
Significant Medical History at Baseline Associated with Prematurity

	BUTTERFLEYE		FIREF	LEYE
	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Sepsis	55%	56%	43%	40%
Bronchopulmonary dysplasia	49%	59%	65%	76%
Respiratory distress / Neonatal respiratory distress syndrome	49%	59%	67%	68%
Infantile apnea	48%	48%	35%	29%
Patent ductus arteriosus	43%	22%	40%	47%
Neonatal anemia	37%	41%	60%	74%
Necrotizing enterocolitis	17%	11%	20%	13%

Disposition: More Patients Completed Aflibercept Treatment at 52 Weeks vs Laser Therapy

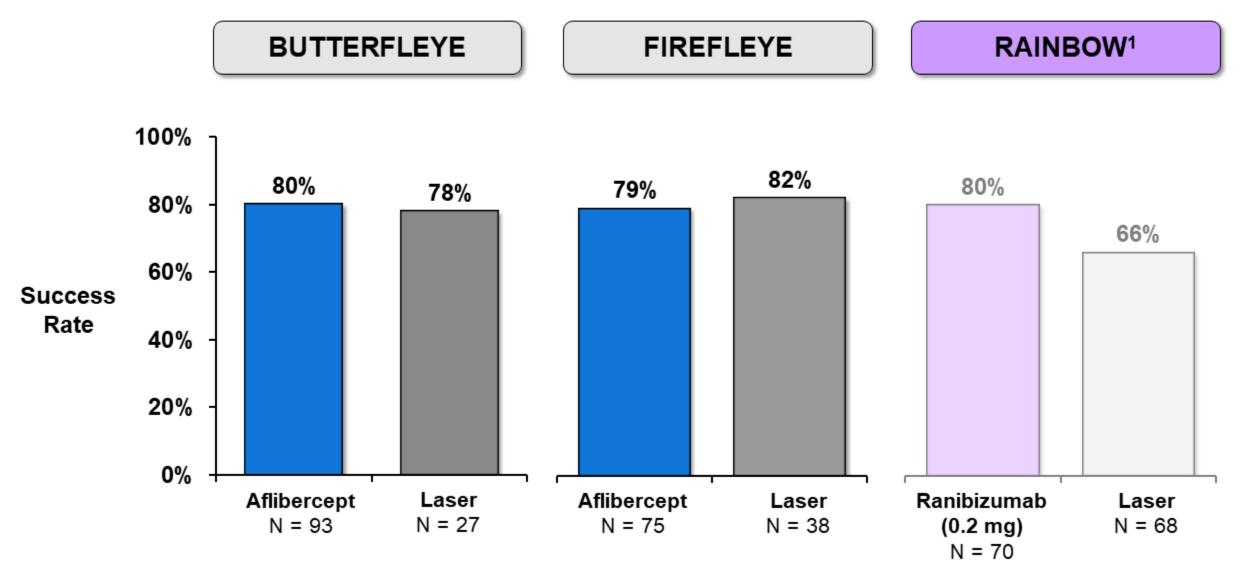


High Success Rate Across Studies and Treatments (FAS)



Primary endpoint: proportion of patients with absence of both active ROP and unfavorable structural outcomes at 52 weeks CA

Anti-VEGFs Performed Similarly Across Studies, Laser Therapy Point Estimates Differed from RAINBOW

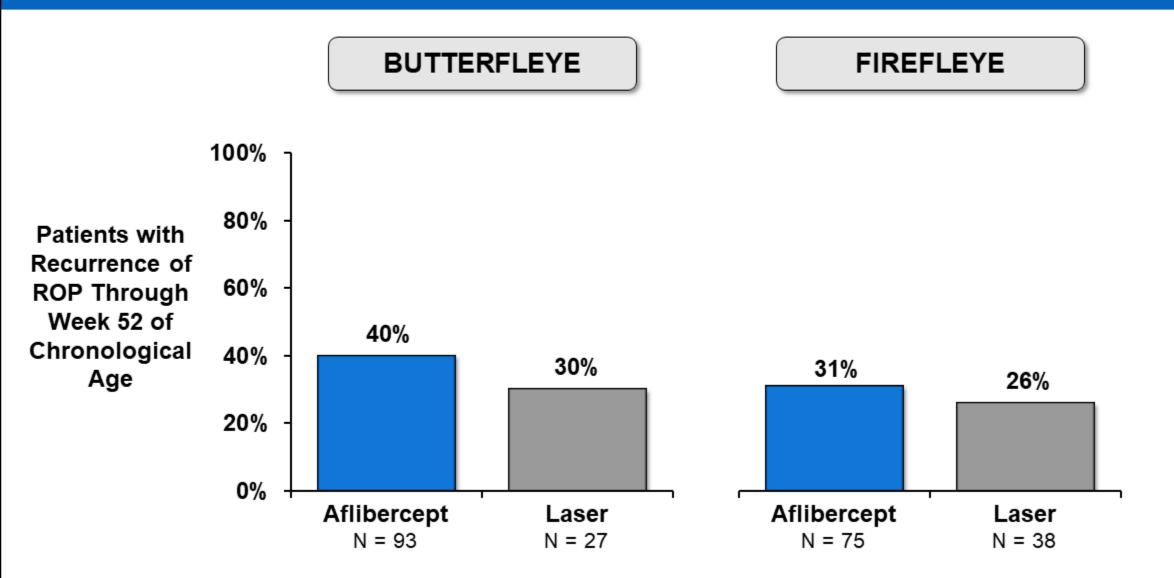


Primary Efficacy Results Clinically Important Across Studies

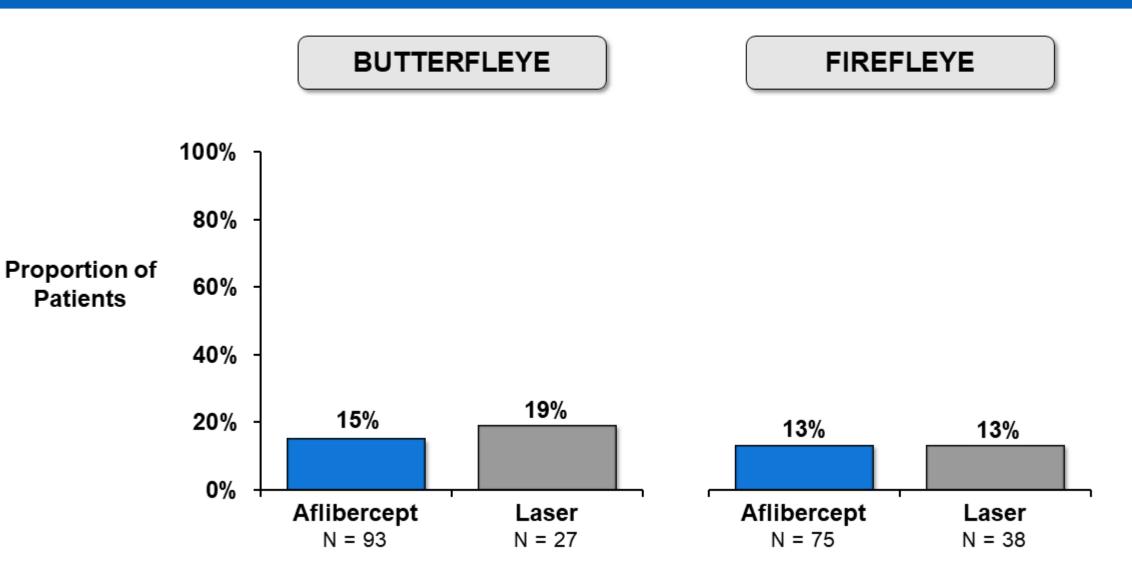
	Aflibercept	Laser	NI Favors Margin Aflibercept	Adjusted Difference % (95.1% CI)
BUTTERFLEYE (FAS)	74/93 (80%)	21/27 (78%)		1.81% (-15.71, 19.33)
FIREFLEYE (FAS)	59/75 (79%)	31/38 (82%)		-1.88% (-16.99, 13.23)
		-<	80 -20 -10 0 10 20	30

Proportion of Patients (%)

Secondary Endpoint – Recurrence of ROP Within 52 Weeks (FAS)



Secondary Endpoint – Requirement of Second Treatment Modality* Within 52 Weeks (FAS)

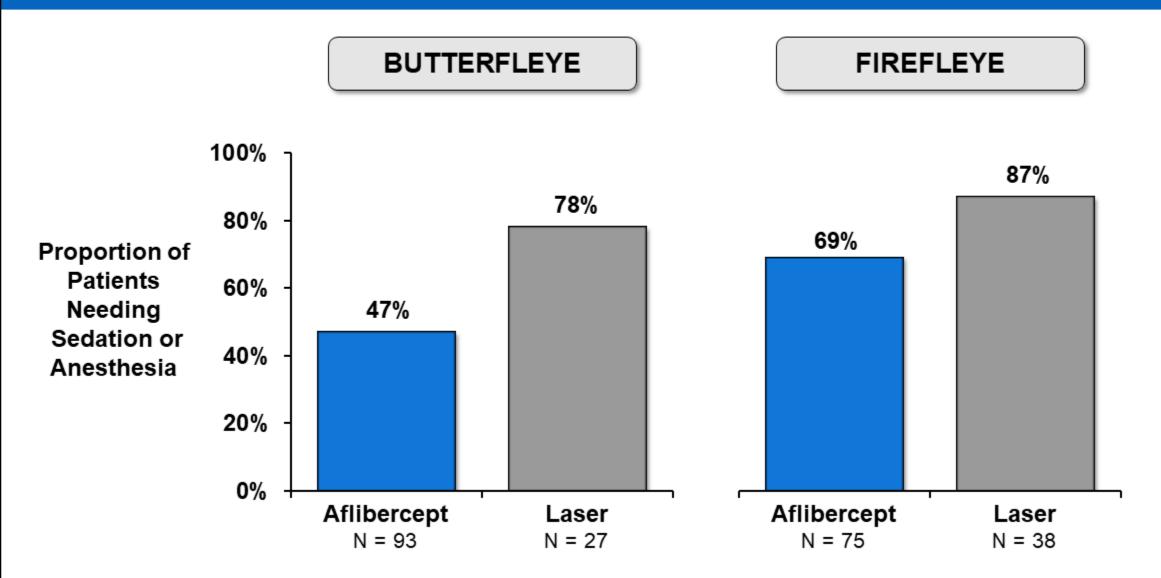


*Any treatment other than randomized assignment

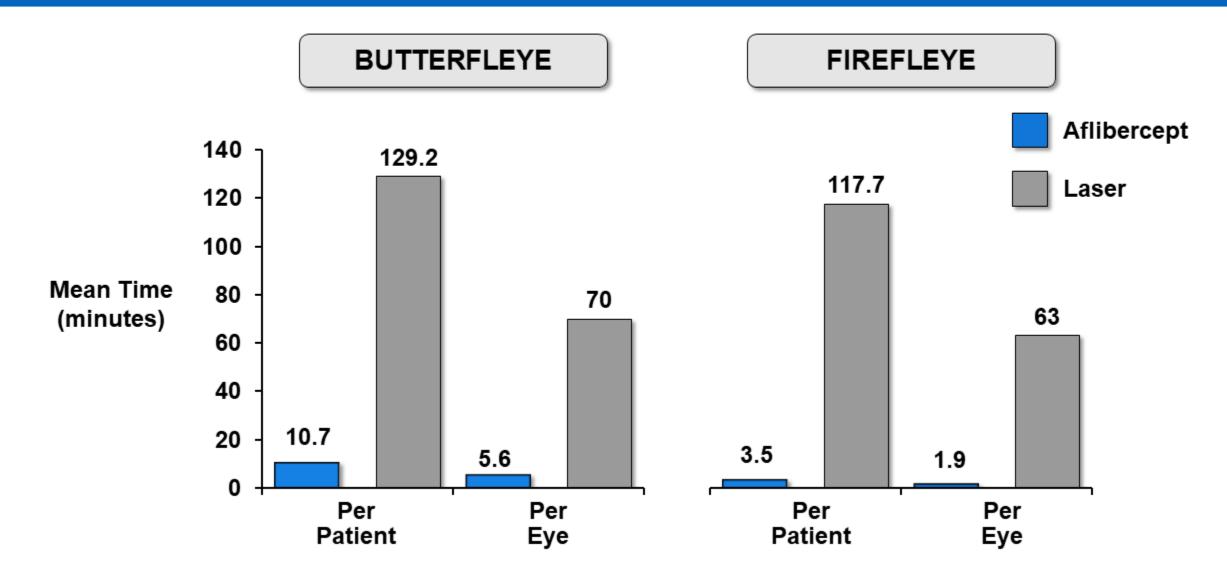
Few Aflibercept Patients Needed Laser Rescue Treatment – Most had Favorable Outcome

	BUTTERFLEYE	FIREFLEYE
	Aflibercept N = 93	Aflibercept N = 75
Patients not requiring laser rescue	80 (86%)	70 (93%)
Patients needing laser rescue	13 (14%)	5 (7%)
Met primary endpoint criteria at week 52 CA	8	3
Retinal detachment	5	1
Patients without data at week 52 CA	0	1

Exploratory Endpoints – Requirement for Sedation and General Anesthesia



Exploratory Endpoints – Time Required to Perform Treatment



Summary of Efficacy

- BUTTERFLEYE and FIREFLEYE studies demonstrate benefit of aflibercept 0.4 mg
- ~80% of infants in aflibercept groups met primary endpoint
 - Numerically similar to laser therapy
 - Point estimate demonstrated meaningful efficacy
- Secondary and exploratory endpoints important efficacy considerations
 - Aflibercept requires less time under sedation / anesthesia and easier to administer than laser therapy



Safety

Suzanne Green, MBChB

Therapeutic Area Head, Global Patient Safety Regeneron Pharmaceuticals, Inc.

Summary of Exposure Aflibercept Injections and Laser Administrations

	BUTTER	FLEYE	FIREFL	EYE
	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Injections/Administrations <u>Per Patient</u>				
1	7.5%	0	5.3%	0
2	72.0%	14.8%	73.3%	7.9%
3	8.6%	0	8.0%	2.6%
4+	11.8%	0	13.3%	0
Injections/Administrations <u>Per Eye</u>				
1	83.2%	16.0%	82.2%	9.7%
2	14.0%	0	17.8%	1.4%
3	2.8%	0	0	0

Comparable Safety Profile Across Studies

	BUTTER	RFLEYE	FIREFLEYE	
	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Any AE	74%	85%	95%	92%
Any TEAE	56%	59%	76%	76%
Ocular	18%	26%	39%	37%
Non-Ocular	47%	52%	53%	66%
TEAE Leading to Discontinuation	0	0	4%	3%
SAE	34%	44%	33%	45%
TE SAE	19%	19%	12%	26%
Ocular	7%	11%	8%	8%
Non-Ocular	13%	7%	7%	18%
Death*	1 (1%)	0	3 (4%)*	0

TEAE = treatment-emergent adverse events occurring in 30 days of last treatment; *2 deaths within 30 days of last treatment

Ocular TEAEs in Study Eye Balanced (≥ 5% of Patients in Either Study)

	BUTTER	BUTTERFLEYE		LEYE
Preferred term	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Any Ocular TEAE	18%	26%	39%	37%
Retinal detachment	6%	7%	5%	5%
Conjunctival hemorrhage	5%	0	5%	0
Retinal hemorrhage	3%	4%	7%	13%
Conjunctivitis	0	0	4%	11%
Eyelid edema	0	4%	3%	8%

Ocular Treatment Emergent SAEs (≥ 2 Patients in Either Study)

	BUTTE	BUTTERFLEYE		LEYE
Preferred term, n (%)	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Any Ocular TE SAE	6 (6%)	3 (11%)	6 (8%)	3 (8%)
Retinal detachment	6 (6%)	2 (7%)	3 (4%)	2 (5%)
Vitreous hemorrhage	2 (2%)	0	1 (1%)	0
Retinal hemorrhage	0	0	2 (3%)	0

Non-Ocular TEAEs By Preferred Term in ≥ 5% of Patients

	BUTTERFLEYE		FIREFL	EYE
Preferred term	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Any Non-Ocular TEAE	47%	52%	53%	66%
Bronchopulmonary dysplasia	7%	0	3%	0
Inguinal hernia	7%	7%	3%	3%
Umbilical hernia	5%	0	3%	8%
Anemia / anemia neonatal	7%	0	1%	11%
Gastroesophageal reflux disease	3%	7%	1%	3%
Apnea / infantile apnea	2%	15%	3%	13%
Bacterial disease carrier	1%	4%	0	5%
Constipation	1%	11%	0	0
Oxygen saturation decreased	1%	7%	4%	0
Hemorrhage subcutaneous	0	0	0	8%

Non-Ocular TE SAEs in ≥ 2 Patients By Preferred Term

	BUTTEI	BUTTERFLEYE		LEYE
Preferred term	Aflibercept N = 93	Laser N = 27	Aflibercept N = 75	Laser N = 38
Any Non-Ocular TE SAE	13%	7%	7%	18%
Apnea / infantile apnea	2%	7%	0	8%
Inguinal hernia	2%	0	0	0
Pneumonia	1%	0	1%	0
Bronchiolitis	0	0	3%	3%

Deaths Not Considered to be Related to Treatment

Study	Sex / Gest. Age (weeks)	Birth Weight (grams)	Key Medical History / AE Leading to Death	AE Onset (Study day)	Death (Study day)
BUTTERFLEYE	Female 24w 5d	620	Necrotizing enterocolitis, bowel obstruction, chronic lung disease, post-surgery for division of ductus arteriosus, adrenal cortical insufficiency / <i>Multiple organ dysfunction syndrome</i>	29	59
	Female 23w 6d	445	Bronchopulmonary dysplasia (ongoing at study entry), anemia of prematurity, hypoglycemia and osteoporosis / Bronchopulmonary dysplasia and pneumothorax	142	144
FIREFLEYE	Female 24w 1d	640	Neonatal sepsis bronchopulmonary dysplasia interstitial pulmonary emphysema, anemia / <i>Bronchiolitis</i>	53	57
	Male 26w	790	Bronchopulmonary dysplasia, respiratory failure, apnea, brain damage, atrial septal defect, severe anemia / Bronchopulmonary dysplasia	61	61

Note: Mean birth weight BUTTERFLEYE 990 grams, FIREFLEYE 880 grams Mean gestational age BUTTERFLEYE 27.3 weeks, FIREFLEYE 26.5 weeks

Aflibercept: Favorable Safety Profile

- Safety database includes data in 325 eyes / 168 infants
- Majority of observed events mild and comparable to laser
- TE SAEs more common in laser group
 - Related to complications of extreme prematurity and low birth weight

- Deaths occurred in patients with complicated medical histories
- No additional deaths or TE SAEs reported in safety update report



Clinical Perspective

Steven Donn, MD, FAAP, FAARC

Professor Emeritus of Pediatrics Division of Neonatal-Perinatal Medicine C.S. Mott Children's Hospital University of Michigan Medical School

Approved Pharmacologic Agent Needed for Babies with ROP

- Laser therapy effective, but practical and clinical limitations
 - Needs specialized equipment and skill; labor intensive
 - Not accessible to all in need, vulnerable babies sometimes need to move locations for treatment
 - Requires long durations of sedation / anesthesia
 - Sustained side effects



Anti-VEGFs Currently Used Off-label to Treat ROP

- Anti-VEGF off-label use noted in treatment guidelines due to promising efficacy and safety¹
- Aflibercept data build on already established literature supporting anti-VEGF use in ROP

Clinical Considerations Support Proposed Labeling

- Critically ill babies with a rare, serious, vision impairing disease
- Anti-VEGFs already used as primary initial treatment off-label
- Aflibercept benefit
 - Consistently high success rates through 52 weeks
 - Ease of use, reduced time under sedation
 - Earlier treatment of vascular proliferation
 - Administered at bedside
 - Reduces potential for unfavorable side effects (loss of peripheral vision, high myopia)
 - Postponing laser even by one month is a major advantage
- Aflibercept demonstrated expected safety comparable to laser with potential for less long-term complications

Aflibercept: A Promising Treatment for ROP

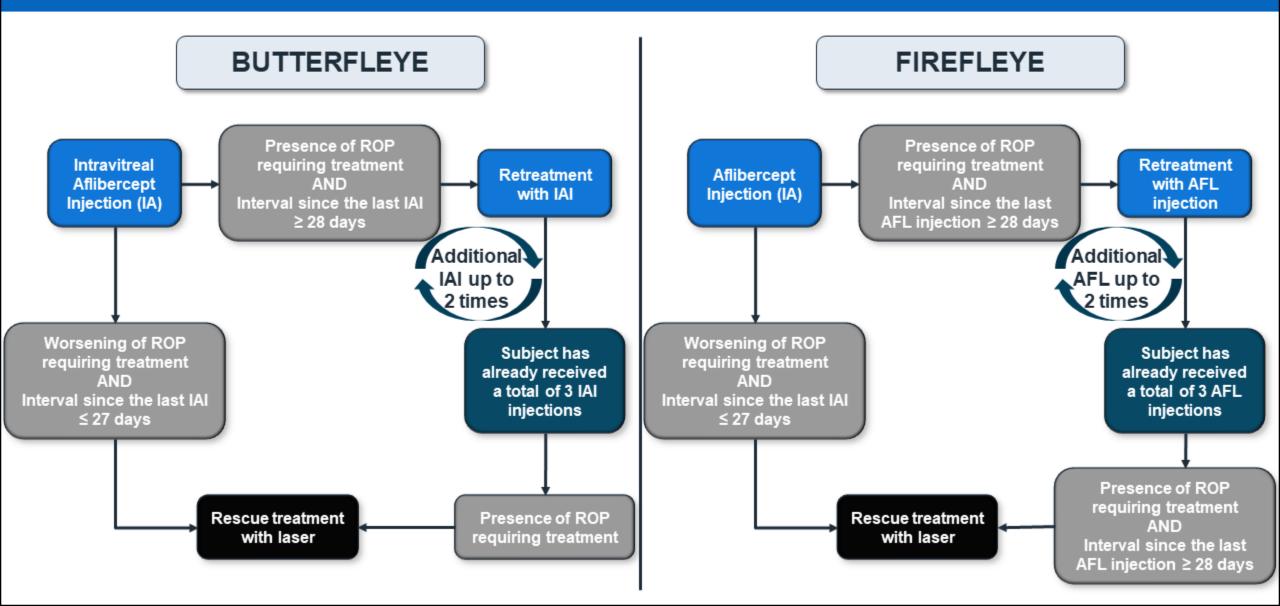
- Prospective data outcomes align with goal of treatment to stop ROP and restore the retina
- Acceptable safety profile, aligns with expectations of an anti-VEGF treatment
- Aflibercept labeling for ROP
 - Allows proper communication of use
 - Reduces variability in treatment
- Proactive education for physicians on appropriate patient follow-up
- Important step towards meeting unmet medical need of preterm babies

EYLEA[®] (aflibercept) for the Treatment of Retinopathy of Prematurity (ROP) January 09, 2023

Dermatologic and Ophthalmic Drugs Advisory Committee Regeneron Pharmaceuticals, Inc.

Q&A Backup Slides Shown

Aflibercept Treatment, Retreatment, and Rescue Treatment



RT-5

Proportion of Patients and Eyes with Complete Vascularization of the Retina at Week 52 CA (without rescue)

	BUTTERFLEYE	FIREFLEYE
	Aflibercept	Aflibercept
By Patient*	N = 73	N = 59
Patients with completion of vascularization of peripheral retina within 1 disc diameter of Ora Serrata	68%	75%
	BUTTERFLEYE	FIREFLEYE
By Eye*	BUTTERFLEYE Aflibercept N = 141	FIREFLEYE Aflibercept N = 114

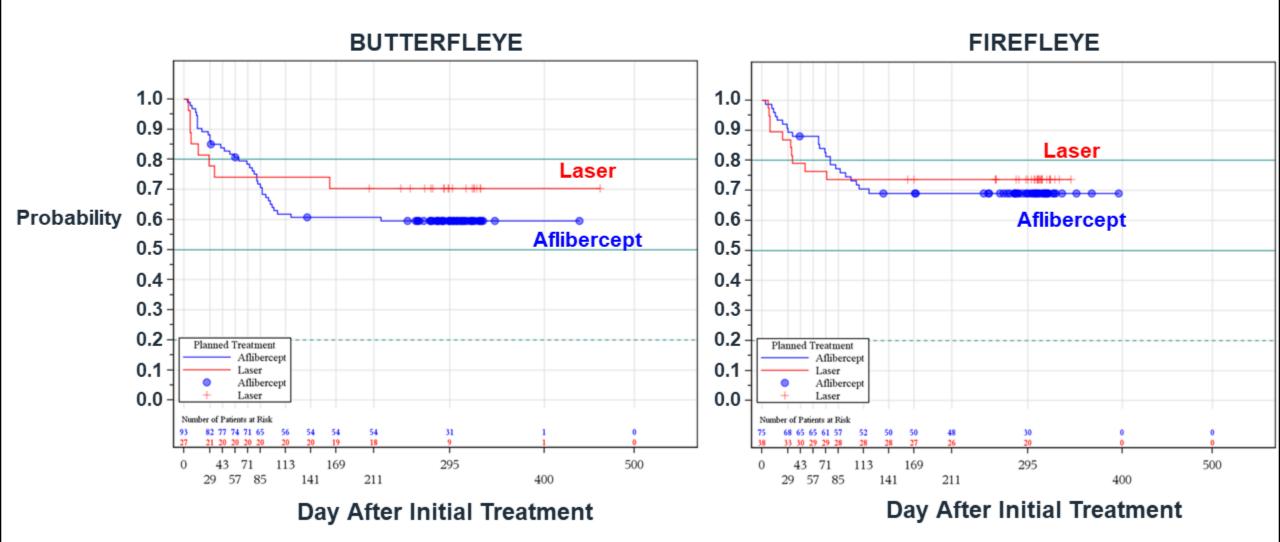
*Patients completing Week 52 CA visit and <u>not</u> receiving a second treatment modality

RAINBOW – 2 Year Follow-Up Rates of Complete Vascularization

 Among the 298 eyes treated with ranibizumab only, full vascularization was recorded in 177 (59%) infants EF-9

- Ranibizumab 0.2 mg 62% (91/146) of eyes
- Ranibizumab 0.1 mg 57% (86/152) of eyes

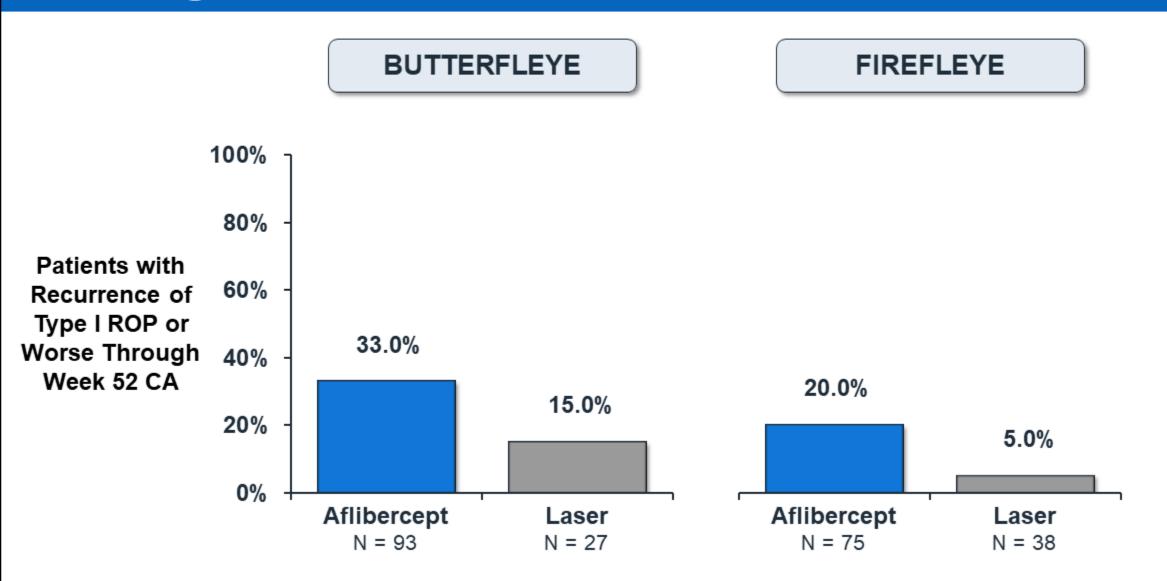
Time to First Recurrence of ROP Most Recurrence Occurs Within 16 Weeks of Initial Treatment



Dots (Aflibercept) or vertical lines (Laser) represent day of last follow-up in patients without recurrence

EF-22

Patients with Recurrence to Type I ROP or Worse Through Week 52 CA



RT-15