PATIENTS CAN NOW BE SAFELY ISOLATED AND TRANSPORTED

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Patient Isolation Transport Unit (PITU) Set Up & Operation Guide

Patient Isolation & Transport Unit: Operation Guide

Setup Instructions: Initial Frame

Picture A

Stryker ER Gurney

Stryker Gurney: Head of Bed Equipment Ports

Stryker Gurney: Foot of Bed Equipment Ports

Unpacking
Inspect the packaging contents for shipping damage and ensure all components are present. The product should be inspected before each use.

1. Opening & Initial Device Inspection:

A. Unpack the Patient Isolation & Transport Unit (PITU) from shipping packaging.

B. Identify the square frame portion—this is the top of the PITU unit.

C. Ensure the device is sitting upright with the patient enclosure freely hanging off the frame.

D. Check all sides and panels for any tears or punctures.

NOTE: Check all sides and panels for any tears or punctures. If any punctures or tears are identified, do not use the damaged enclosure. Obtain a new enclosure before proceeding.

2. Evaluation & Prepping of Patient Gurney:

A. Identify the patient transport gurney to be used with the PITU device and remove the mattress.

B. In this example is a commonly used Emergency Department Gurney manufactured by Stryker.

C. At the head of the Stryker Gurney is a right and left equipment port.

D. Identify each equipment port and ensure both are free from blockage and not in use.

E. Next identify the equipment ports at the foot of the Stryker gurney.

F. Again, ensure both these equipment ports are free from blockage and not in use.

3. Expanding the PITU Unit

A. The PITU unit is designed to fit many types and sizes of commonly used hospital beds/gurneys.

B. Place the PITU device by the gurney and expand the length of the PITU to the appropriate length so that each foot of the PITU will match the length of the gurney's previously identified equipment ports.

C. Repeat this same procedure to expand the width of the PITU to match the width of the equipment ports.

D. Once the frame has been adjusted to match the gurney's equipment port measurements, ensure the fabric enclosure is expanded to match the frame size.

4. Placement of PITU Base Device

A. In the packaging you will find 4 base pins to secure the PITU frame to the gurney.

B. Place each pin into the previously identified equipment ports on the gurney.

C. Have a person at the head and foot of the PITU frame and lift the frame. Align the 4 frame poles onto the 4 base pins.

D. Once the frame poles are in place, secure the pole and base pin with the bolt and nuts provided in the packaging.

E. Ensure the patient enclosure is stretched over the gurney.

F. Place the gurney mattress into the patient enclosure so that it rests on top of the PITU enclosure's sealed bottom section.

5. Blower Motor Setup

A. In the packaging you will find 6 P100 filters, 3 motors and 3 rechargeable batteries.

B. Attached the batteries to each blower motor.

C. Secure the battery to the holder below the motor.

D. Turn on the motor and check the airflow with the airflow indicator
(See Section: WARNING & INSTRUCTION; SECTION VI PERFORMANCE CHECK).

E. Attach each motor to the motor mount at the foot of the enclosure by placing the motor intake manifold through the motor mount and corresponding hole in the enclosure from the outside and then screw the threaded male end of the P100 Filter into the female threaded motor intake manifold on each blower motor from inside the enclosure. Remove the filter cap covers. Save caps/covers.

F. Attach the P100 Filters to other inlet vents at the head of the PITU by placing the threaded portion of the filter through the vent plate and corresponding holes in the enclosure. Secure the filters in place by threading the plastic nut onto the threaded portion of the filter from inside the enclosure and hand tighten. Remove the filter cap covers. Save caps/covers.

G. Negative Pressure Check: The enclosure walls become taut and bowed inward (slightly concave) when the unit is generating negative pressure. Healthcare personnel can easily monitor the function of the unit by visually inspecting the enclosure for presence of taut and concavity of the walls or ceiling to know that the unit is generating negative pressure.

AT THIS TIME THE PITU IS READY FOR PATIENT USE
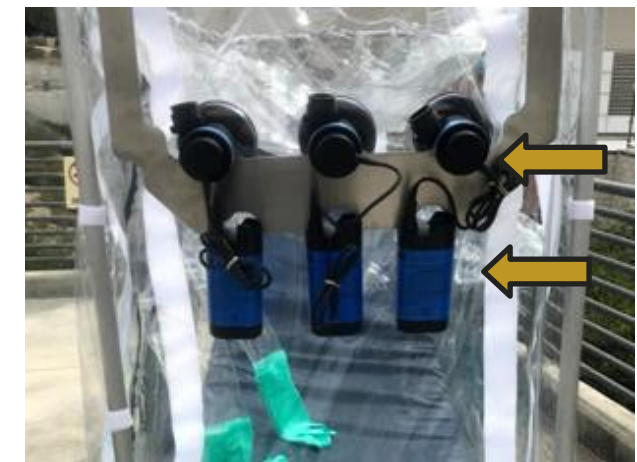
PAPR Motor and P100 Setup

Attach Inner P100 Filters to PAPR Motor

Checking PAPR Motor Airflow

Additional Item Pocket

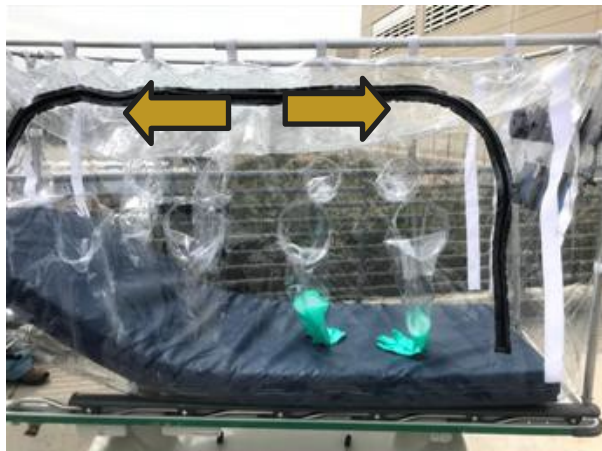# Patient Isolation & Transport Unit: Operation Guide
Setup Instructions: Preparing For Patient Care

PITU Device Deployed

Location Port for Lines, Oxygen and IV lines

Opening of PITU

Opening of PITU

1. PITU is Ready for Patient Care

A. Prior to a patient being placed in the PITU, place necessary supplies in the enclosure based on each patient's condition and needs.
B. If EKG monitoring, respiratory support, IV lines, etc. are needed they can be pre-placed through the additional port located on the patient's right upper region of the PITU device.
C. Any additional equipment needed can be safely passed through the compartment on the patient left side of the PITU.

2. Placement of cords

A. Open the port located at the head of the gurney
B. Pull the lining outward
C. Place monitoring cords through the port
D. Twist the lining around the cords
E. Tape the lining to the cords forming a seal
F. Push the cords and lining inward
G. Ensure all monitoring probes are connected to cords
H. Repeat this process for Oxygen and IV tubing on the second port

3. Opening of the Isolation Gurney

A. Each zipper located on the zipper ring should be used to fully open the PITU patient entry flap.
B. Once each zipper is moved to the right and left lower portion of the zipper ring, drop the PITU flap straight down.
C. Ensure that there is no PITU flap that may obstruct the patient's path to placement into the device.
D. If needed fold the flap under the gurney to facilitate the gurney being placed in a lower position for patient transfer.
E. Once the patient is placed in the PITU device, run all additional support lines through the port on the right.
F. Ensure all EKG leads, IV lines and oxygen are connected prior to closing the PITU unit.
G. Once patient and all support lines, leads, and oxygen is secured, then close the flap by zipping both sides until they meet at the top of the PITU unit.
H. Turn on the blower motors; you should see the sides "bow" inward as negative pressure builds up.

4. Passing Objects into the Enclosure

A. Transfer Pocket is available in the event a patient needs additional supplies
B. Open the outside zipper to the transfer pocket
C. Place the object inside the pocket
D. Zip up the pocket
E. Place your hands into the premade glove ports next to the transfer pocket.
F. Unzip the inside pocket and obtain the item
G. Zip the inside pocket closed after obtaining the items in the pocket.

5. Disposal

A. Fabric enclosure and Filters
The disposable portion of the device (enclosure and filters) should be placed inside of a biohazard bag (See Section: WARNING & INSTRUCTION; XIV DEVICE DISPOSAL) and disposed of per the healthcare facilities medical waste disposal policy.
B. Reusable components.
The reusable portions of the unit (tent frame, blower motors, motor mounts, batteries and vent stabilization plates) can be disinfected as per facility disinfection or decontamination policies.
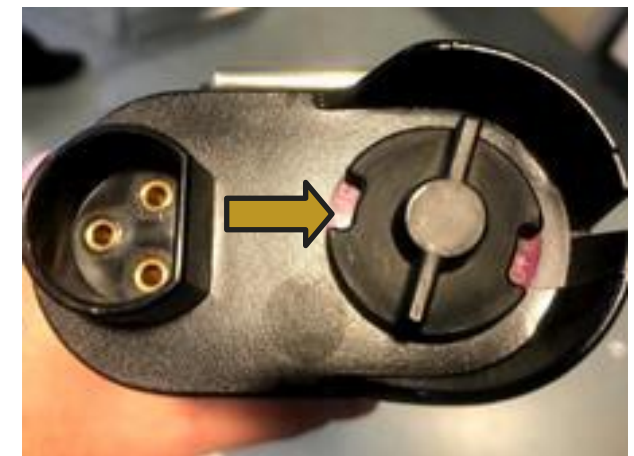(See Section: WARNING & INSTRUCTIONS; XVI CLEANING AND STORAGE)
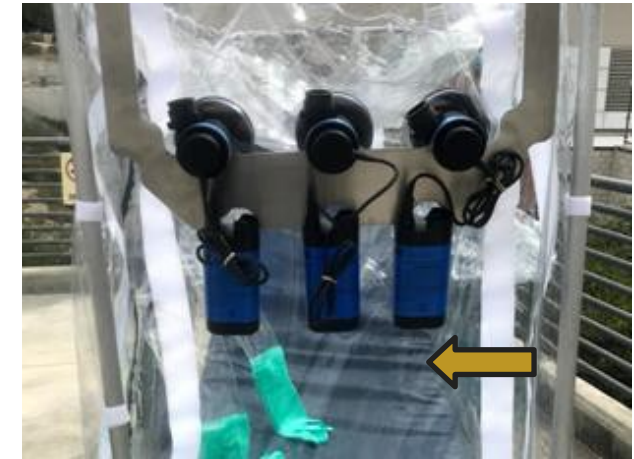
Battery Placement for PAPR Motors

Exchange Bag for Supplies

Battery in ON Position

Battery in OFF Position

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