

# **VAGLAHS ED PPE DONNING AND DOFFING WITH POWERED AIR-PURIFYING RESPIRATOR (PAPR)**

## **AIRWAY RESPONSE PROTOCOL**

03/26/2020

### **DONNING**

#### **PPE Equipment List**

1. One inner pair surgical gloves
2. One outer pair nitrile or surgical gloves
3. One 3M Powered Air-Purifying Respirator (PAPR) + battery pack
4. One PAPR hood (Label front with YOUR NAME & "ER")
5. One surgical hood with long ties or a surgical mask
6. One "bunny" suit
7. One blue surgical procedure gown
8. Alcohol-based hand rub (ABHR)-hand sanitizer
9. Two biohazard disposal bags (one to dispose of your PPE, the other to place PAPR gear for cleaning)
10. One specimen bag to place Glidescope monitor in for cleaning
11. One tarp on which to doff

#### **Prior to 3M PAPR use: check battery + filter mechanism**

1. Battery – push test button to check battery life. All 5 green lights = full. Total battery life 8-12 hrs.
2. Attach battery to filter unit.
3. Make sure filter is inside the filter unit (check for purple stripe in window of filter unit).
4. Power on.
5. Attach the flowmeter to the filter unit (red ball should float above black line if working correctly)
6. Ready to use.

#### **Roles**

- **Staff A** – Person(s) wearing the PAPR and going into the patient room to perform intubation
- **Buddy**
  1. Check PAPR function before Staff A puts it on
  2. Don N95 per protocol (with gown + cap + face shield) after helping Staff A don PAPR
  3. Actively communicate with Staff A via Vocera and address needs that arise; be ready to enter the room in case of an emergency
  4. Once intubation is complete, supervise doffing and receive Glidescope monitor to clean

**Note: All PPE will be stored in airway cart outside the isolation room. Don all PPE prior to entering the isolation room.**

**PPE Donning Procedures:**

<b>Staff A follows the protocol below for donning. Buddy will ensure adherence to PPE Donning Procedure, and while Staff A performs steps 1-5 should check the PAPR function per protocol on page 1. Verify both donning and doffing equipment is available prior to starting process.</b>	
1. Remove all personal belongings (jewelry, watches, phones, etc.). Tie back hair.	
2. Make sure Vocera is clipped on and logged in.	
3. Inspect PPE prior to donning- look for any tears or physical damage on the PAPR unit, hood, gear	
4. Don surgical hood and wrap long ends around anterior neck to provide coverage. Alternatively, you can use a Level-2 or above (usually blue) surgical mask to protect anterior neck area.	
5. Don bunny suit.	
6. Perform hand hygiene with alcohol-based hand rub (ABHR). When using ABHR, allow hands to dry before moving to next step.	
7. Don inner surgical gloves and make sure they cover the bunny suit cuffs.	
8. Don PAPR filter unit. Buddy holds the PAPR unit at Staff A's back while Staff A clips belt in front. Tuck loose long end into belt.	
9. Don single-use PAPR hood. Buddy turns on PAPR unit and then attaches breathing tube to the filter unit and hood.	
10. Don blue Level 3-4 procedure or yellow Level 2 (outer gown). Buddy helps tuck outer gown loosely in back beneath PAPR filter unit so as not to block air flow.	
11. Don outer surgical or nitrile gloves. Gloves should go over the gown sleeves.	
12. Buddy performs final check-over to ensure coverage of all areas before entering isolation room.	
13. Enter Isolation Room, carrying medications and needed intubation materials. Place Glidescope in pocket of clear specimen bag to for protection. Carefully make an opening for the port.	
14. Buddy should now don N95 PPE and make sure communication is established to Staff A through Vocera.	

# DOFFING

## PPE Doffing Procedures:

### Equipment:

1. Two extra-large red biohazard bags, a specimen bag for Glidescope monitor, and tarp
2. GLA approved Germicidal Wipe (Clorox Healthcare Germicidal Wipe, Dispatch Hospital Cleaner Disinfectant Towels with Bleach, Sani-Cloth AF3 Wipes) or Alcohol Based Hand Rub (ABHR)- hand sanitizer

<b>Doffing requires two staff members:</b> Staff A and Buddy. The Buddy's role is to be an active assistant and to clean the Glidescope.	
1.	Staff A inspects PPE prior to leaving isolation room to assess for visible contamination, cuts, or tears. IF you see any obvious soil or contaminant, please cleanse with germicidal wipe prior to coming out of the room.
2.	Disconnect Glidescope blade from monitor and place the monitor near the exit of the room. If you used a protective cover for the monitor, make sure to remove the cover and leave in room.
3.	Doff outer gloves and outer gown. Do this slowly and carefully to avoid tearing or contaminating the inner layer.
4.	Pick up Glidescope monitor and exit room.
5.	Buddy receives the Glidescope monitor in a hand covered by a specimen bag turned inside out, then uses other hand to turn the bag back right-side out, covering the monitor securely in the process (similar to how we receive an ultrasound probe in a cover that's inside out). Staff A stands on tarp.
6.	Buddy wipes PAPR hood down with CaviWipes.
7.	Buddy holds the PAPR unit until while Staff A unclips it. Buddy turns the unit off and places the PAPR unit and hose in a biohazard bag. Buddy takes off outer pair of gloves.
8.	Staff A removes PAPR hood by bending forward and pulling the handle on top of the PAPR, pulling the hood downward off the head, taking care not to touch the face. Place the PAPR hood in the biohazard bag with PAPR unit for cleaning.
9.	Both Staff A and Buddy perform hand hygiene.
10.	Buddy unzips bunny suit, then Staff A removes bunny suit and inner gloves slowly and carefully. Place bunny suit on tarp for disposal.
11.	Buddy removes surgical hood from Staff A by pulling upwards and away from head, paying special attention that the loose straps do not contaminate any surfaces. If Staff A used a surgical mask for anterior neck protection, Buddy will remove this by pulling the center of the mask forward off Staff A's neck, should slide off ears without touching straps.
12.	Step off of tarp. Buddy rolls up tarp with discarded PPE inside it and discards in biohazard bag.
13.	Both Staff A and Buddy perform hand hygiene.
14.	Buddy should wipe Glidescope monitor down liberally with CaviWipes, allow to dry (kill time 3 mins), and replace in Glidescope case.

## PAPR Cleaning Guidelines

- Contact Sterile Processing Service (SPS) M-F 41811 Weekends 310-987-8710 or 323-497-4585.
- SPS will pick up the unit which will be in the ED dirty utility room
- SPS will transport the unit to 5N for cleaning
- Once cleaned, the unit will be prepared for return to the ED
- The unit will be disassembled and placed in a clean large clear Ziploc bag and be delivered back to the ED
- If your PAPR is labeled with your name and "ER", should be returned