

Powered Air Purifying Respirator (PAPR)

BICSL

الإدارة العامة لمكافحة عدوى المنشآت الصحية

General Directorate of Infection Prevention and Control in Healthcare Facilities



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What is PAPR and indications of use

The trainer must give details to the

Define what is PAPR and indications of use

Definition : A powered air-purifying respirator (PAPR) is a type of respirator used to safeguard workers against contaminated air.

- provide 99.97% particulate filtration efficiency that is used for protection of HCWs in health care facilities against respiratory airborne pathogens

Indication of use :

- non- fit participant(Employee has failed fit testing with all available masks
- Employee has facial hair (e.g., beard) or facial deformity that interferes with N95 mask use.
- The approved N95 mask is unavailable or unknown fit test.

Before use trainer must confirm that:

Note

- Maintenance of all parts.
- The battery is fully chargeable. All PAPRs must be charged according to the manufacturer's instructions. Many batteries require a minimum of 16 hours to attain a full charge.
- Airflow is adequate (typically 6 CFM)*

PAPR assembly and check for air flow and charging

the trainer must demonstrate how to check

Demonstrate PAPR assembly and check for air flow and charging



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Proper donning of the PAPR

The trainer must practice and explain the Proper donning

Demonstrate the proper donning of the PAPR

1. Preparation of the PAPR:

- a. Hand hygiene.
- b. Gloves.
- c. Clean PAPR with Wipes.
- d. Discard gloves.
- e. Hand hygiene.

2. Putting on the PAPR:

- a. Connect a hose to the battery and mask.
- b. Turn PAPR on by pressing and holding a small button until it vibrates.
- c. Put on a hood and attach a belt.

3. Gown

4. Gloves

Proper doffing of the PAPR and disassembly

The trainer must practice and explain the Proper doffing

Demonstrate the proper doffing of the PAPR and disassembly

1. Inside room - clean PAPR (as mentioned before).
2. Remove gloves and gown.
3. Hand hygiene.
4. Exit room & re-glove.
5. Remove & clean PAPR steps
 - a. Tilt the head slightly forward, remove the PAPR hood.
 - b. Using alcohol-based wipe, clean the PAPR beginning with the inside of the Hood.
6. Discard gloves & hand hygiene.

Cleaning and Disinfections of the PAPR parts

Give instructions regarding cleaning and disinfections of the PAPR parts

The trainer should mandate :

- What detergent use in disinfection
- Watch part can be cleaned
- Disinfection methods

Cleaning of all parts with a clean soft cloth dampened with warm water and mild detergent. Then disinfection with either 0.5 % chlorine solution or Alcohol 70 % after each use

Assess and evaluate participant demonstration

1. The trainer must ask the participant to demonstrate the Proper donning and doffing
2. The trainer should corrects any mistakes during demonstration

The trainer should ask any non-fit participant to demonstrate correct PAPR donning and doffing and corrects any mistakes during demonstration

Any Question?

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