Personal protective equipment (PPE), removal, AU

 Reviewed: November 15, 2019

■ Introduction

Standard and transmission-based precautions help prevent the spread of infection from patient to patient, from patients to health care workers, and from health care workers to patients. They also help reduce the risk of infection in immunocompromised patients.

Central to the success of these precautions is selecting the proper personal protective equipment (PPE), such as gowns, gloves, masks, and protective eyewear, as well as adequate training of those who use it.

◆ Clinical alert: Refer to the latest recommendations from the Australian Government Department of Health when caring for a patient with known or suspected Ebola virus disease.

■ Equipment

- Appropriate receptacles for gown and other PPE

■ Implementation

- After completing patient care, prepare to leave the room by collecting items that need to be removed.

- Remember that the outside surfaces of your goggles or face shield, mask or respirator, gloves, and barrier clothes (such as a gown) are contaminated.

- Except for a respirator mask, remove all PPE at the patient’s doorway or in the anteroom. Remove a respirator mask after leaving the patient’s room and closing the door.

- Remove your gloves using the appropriate technique. (See Removing contaminated gloves.) Don’t touch any of your skin surfaces with the outside of either glove.

- Discard your gloves in the appropriate receptacle.

- Perform hand hygiene.

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EQUIPMENT

REMOVING CONTAMINATED GLOVES

Proper removal technique is essential in helping prevent the spread of pathogens from your gloves to your skin surfaces. Follow these steps carefully to remove your contaminated gloves properly.

- Grasp the outside of one glove with your opposite gloved hand and peel it off, turning the glove inside out as you pull it off. Hold the removed glove in your remaining gloved hand.
• Slide two fingers of your ungloved hand under the remaining glove at the wrist, taking care not to touch the outer surface of the glove. 4/7

• Peel off the glove over the first removed glove, containing the one glove inside the other.
• Discard your gloves in the appropriate receptacle. 1/2/3/4
• Perform hand hygiene. 2/8/9/10
Next, remove your goggies or face shield:

- Grasp the ear pieces or headband and remove the goggles or face shield carefully.
- Place the equipment in the appropriate receptacle for reprocessing, or discard it in the appropriate receptacle.

Then remove your mask or respirator:

- Grasp the bottom tie or elastic and lift it over your head.
- Then grasp the top tie or elastic, and carefully remove the mask or respirator. Don't touch the front of the mask to help prevent contamination.
- Discard the mask or respirator in the appropriate receptacle.
- Perform hand hygiene immediately.

Finally, remove your gown (see Removing your gown and gloves together):

- Untie the neck straps, then the waist ties.
- Pull the gown away from your neck and shoulders, touching only the inside of the gown (as shown below). Turn the gown inside out as you remove it, folding it or rolling it into a bundle to help ensure containment of pathogens.
- Discard the gown in the appropriate receptacle.
REMOVING YOUR GOWN AND GLOVES TOGETHER

The Australian College of Perioperative Nurses discusses an alternative method for removing your gown and gloves. In this method, a disposable gown is used and the gown and gloves are removed together. Follow these steps to remove your gown and gloves together:

- With your gloved hands, grasp the gown in the front.
- Pull the gown away from your body so that the ties break.
- While removing the gown, fold or roll the gown inside-out into a bundle.
- As you remove the gown, peel off your gloves at the same time; touch only the inside of your gloves and gown with your bare hands.
- Discard the gown and gloves in the appropriate receptacle.
- Perform hand hygiene immediately.

Special Considerations

- Use gloves only once, and discard them in the appropriate waste container before leaving a contaminated area.
- If your respiratory protection device is reusable, retain it for further personal use unless it’s contaminated or damaged or fails to form a good seal. Store it as directed by your health care facility. Re-use of respiratory protection may consist of removing and re-applying the device between patient encounters. To help avoid a transmission risk, adhere to stringent hand hygiene before and after handling the respiratory protection device.
- Be aware that masks and gowns lose their effectiveness when wet. Because moisture permits organisms to seep through the material. Change your mask or gown as soon as it becomes moist or according to the manufacturer's recommendations or your facility’s guidelines.

Documentation

None needed.
Related Procedures

- Personal protective equipment (PPE), putting on, ambulatory care
- Personal protective equipment (PPE), putting on, AU
- Personal protective equipment (PPE), removal, ambulatory care

References

(Rating System for the Hierarchy of Evidence for Intervention/Treatment Questions)


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