

Session 5

PPE Use in Healthcare Settings: How to Safely Don, Use, and Remove PPE



Session Objectives

At the end of the session, participants will be able to:

- Define importance of PPE
- Use PPE while working in health facility
- Implement hand hygiene
- Describe importance of vaccination

Personnel Safety



Components of Universal Precautions

(General precautions for blood and body fluid)

- ❖ Hand hygiene
- ❖ Use of Personal Protective Equipment
- ❖ Careful handling of sharps
- ❖ Safe techniques
- ❖ Disinfection
- ❖ Disposal of disposables/re-usable material
- ❖ Adherence to correct hospital sterilization and disinfection protocols
- ❖ Immunization against HBV

Personal Protective Equipment (PPEs) is defined as specialized clothing or equipment worn by an employee to protect against health and safety hazards

Sequence* for Donning PPE

- Gown first
- Mask or respirator
- Goggles or face shield
- Gloves

***Combination of PPE will affect sequence – be practical**

How to Don PPE

- Don mask over nose, mouth and chin and fit flexible nose piece over nose bridge.
- Position goggles over eyes and secure to the head using the ear pieces or headband
- Don gloves last

How to Safely Use PPE

- Keep gloved hands away from face
- Avoid touching or adjusting other PPE
- Remove gloves if they become torn; perform hand hygiene before donning new gloves
- Limit surfaces and items touched

FULLY PROTECTED BMW HANDLER



Case - Can you identify the errors ?



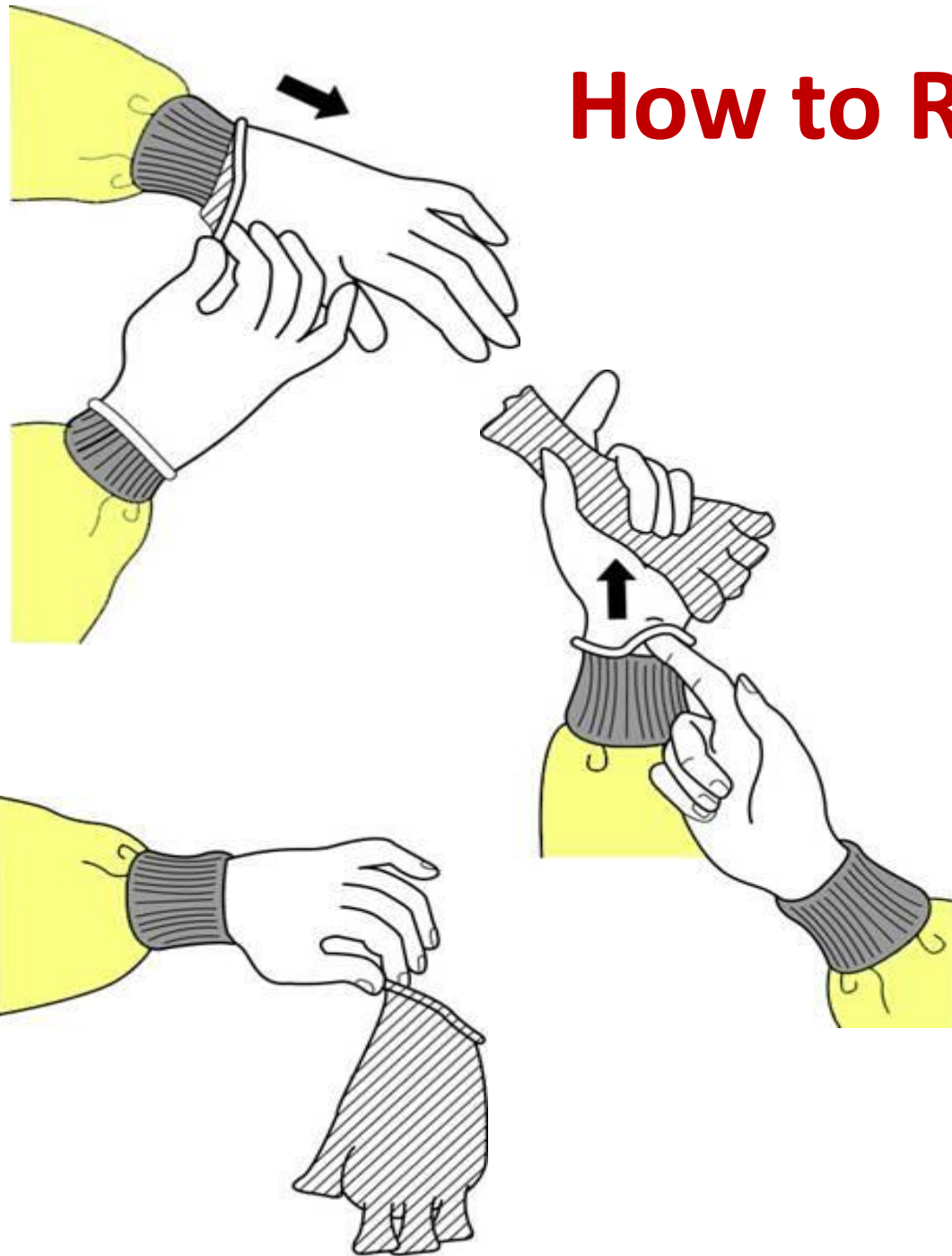
Case - Discussion



Sequence for Removing PPE

- Gloves
- Face shield or goggles
- Gown
- Mask or respirator

How to Remove Gloves



- Grasp outside edge near wrist
- Peel away from hand, turning glove inside-out
- Hold in opposite gloved hand
- Slide ungloved finger under the wrist of the remaining glove
- Peel off from inside, creating a bag for both gloves
- Discard

Disinfection of PPE after using is Important

Hand Hygiene

- ❖ Always wash hands before/after removing gloves
- ❖ **Gloves are not a substitute for hand washing**
- ❖ Handle used items with care—reuse only after disinfection
- ❖ Disposal of single use items correctly after use
- ❖ Wash hands with soap and water or use an alcohol-based hand rub
- ❖ Ensure that hand hygiene facilities are available at the point needed, e.g., sink or alcohol-based hand rub

Hands should be cleaned immediately before direct patient contact and immediately after. This can be done with soap and water or alcohol gel using the following technique.

Steps for Hand Washing



Palm to Palm



**Right palm over back of left hand.
Left palm over back of right hand**



**Palm to palm fingers
interlaced**



**Backs of fingers to opposing palms
with fingers interlaced.**



**Rotational rubbing of right thumb
clasped over left palm and left palm
over right palm**



**Rotational rubbing backwards and
forwards with clasped fingers of right
hand in palm of left and vice versa**

Washing should take 15 -30 seconds. Rinse and dry hands thoroughly. When applying gel, continue technique until hands are dry.

**Every individual in an organization is responsible
for**



Case

- Mr. **A** is newly appointed staff in health facility. Health facility In-charge asks the staff for the mandatory vaccination records:
 - Why vaccination ?
 - Against what ?

Take three doses of hepatitis B vaccine

Take Tetanus vaccine

Key Message

- PPE is available to protect you from exposure to infectious agents in the healthcare workplace
- Know what type of PPE is necessary for the duties you perform and use it correctly
- Hand washing is important for infection control

Thank You