



KENYATTA NATIONAL HOSPITAL

SOP/KNH/IPC-EBOLA/008

VERSION: 00

DEPARTMENT: INFECTION PREVENTION & CONTROL

ENTERING AND LEAVING PATIENT AREA IN EBOLA ISOLATION UNIT



Scope

This procedure describes the process of movement of a health care worker into and out of the patient area within the Ebola Isolation Unit.

1. Purpose

To ensure health care workers are free from self contamination, do not contaminate other health care workers, the environment and the community.

2. Terms and Definitions

- 3.1 Ebola Isolation Ward: A physical place within KNH designated for the exclusive management of Ebola patients. It includes the patient area, staff area, changing rooms, store, sluice and body holding room.
- 3.2 Personal Protective Equipment (PPE): specialized clothing or equipment worn by an individual for protection against infectious material
- 3.3 Patient environment: Objects, equipment and physical space within one meter distance from the patient.
- 3.4 High risk zone: This is the patient zone i.e. physical space where suspected, probable or confirmed cases or their waste is present or has been in which has not yet been decontaminated. This includes the patient wards, rooms, bathrooms, waste disposal area, and body holding area (Figure 1).
- 3.5 Low risk zone: this is the healthcare zone, i.e. area in proximity to a high risk zone. It includes, the doctor's/nurse's room, store room, changing room to enter and exit low risk zone (changing room 1), changing room to enter and exit high risk zone (changing room2).

4. Responsibilities

- 4.1 The DDCS has the overall responsibility for ensuring that this procedure remains feasible and adequate for the intended use or purpose.
- 4.2 The Head of Unit: Infection Control has the responsibility for ensuring the development, review and maintenance of this SOP.
- 4.3 The Ebola response team have the responsibility of ensuring implementation of the procedure for entering and leaving the patient area within the Ebola Isolation Unit.

5. Method

Requirements

- Full PPE
- Scrubs
- Water proof shoes
- Gloves
- 0.5% chlorine solution
- 0.05% chlorine solution
- Hand towel
- Shallow foot bath
- Biohazard bins
- Laundry bins
- Bleach drenched cloth



5.1 Entering staff area (low risk zone)

- 5.1.1 Enter Ebola isolation unit.
- 5.1.2 Proceed to changing room 1 at the entrance to the staff area.
- 5.1.3 Perform hand hygiene. Hand hygiene includes use of soap and water or hand sanitiser which is over 70% alcohol based. If hands are visibly soiled use soap and water. Use 70% alcohol based sanitizer only when the hand are not visibly soiled.
- 5.1.4 Remove home shoes, clothes and accessories (earrings, rings, watches etc) and place in locker.
- 5.1.5 Put on scrubs and a pair of well-fitting water proof rubber shoes.
- 5.1.7 Put on a pair of gloves.
- 5.1.8 Proceed to staff area. NB: In the staff area, health care workers are permitted to document items on patient files and update records. Writing on patient files cannot be performed in the high risk patient area due to the risk of contamination of items.

5.2 Leaving isolation ward from staff area (low risk zone)

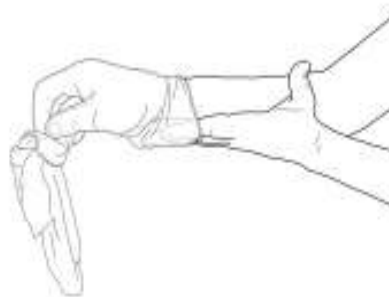
- 5.2.1 Proceed to changing room 1
- 5.2.2 Discard gloves using the procedure outlined below:

Figure 1: How to remove gloves

II. HOW TO REMOVE GLOVES:



1. Pinch one glove at the wrist level to remove it, without touching the skin of the forearm, and peel away from the hand, thus allowing the glove to turn inside out



2. Hold the removed glove in the gloved hand and slide the fingers of the ungloved hand inside between the glove and the wrist. Remove the second glove by rolling it down the hand and fold into the first glove



3. Discard the removed gloves

- 5.2.3 Perform hand hygiene. Hand hygiene includes use of soap and water or hand sanitiser which is over 70% alcohol based. If hands are visibly soiled use soap and water. Use 70% alcohol based sanitizer only when the hand are not visibly soiled.



- 5.2.4 Remove scrubs and shoes
 - 5.2.5 Wear home clothes and shoes.
 - 5.2.6 Leave isolation ward through staff exit in low risk zone.
- 5.3 Entering patient area (high risk zone) from staff area (low risk zone)**
- 5.3.1 Enter Changing Room 2 at the entrance to the patient area
 - 5.3.2 Put on full PPE as per the SOP on wearing PPE (SOP/KNH/IPC-EBOLA/001)
 - 5.3.3 Proceed to patient area.
- 5.4 Leaving patient area (high risk zone)**
- 5.4.1 Proceed to edge of patient area by stepping through a 0.5 % chlorine disinfectant foot bath with your water proof shoes and foot covers. Come out of the foot bath and wipe feet on a bleach drenched cloth.
 - 5.4.2 Proceed to area for degowning at the edge of patient area and degown as per SOP on removing PPE (SOP/KNH/IPC-EBOLA/001).
 - 5.4.3 At the exit of the patient area enter the changing room by stepping through a 0.5 % chlorine disinfectant foot bath with your water proof shoes. Come out of the foot bath and wipe shoes on a bleach drenched cloth.
 - 5.4.4 Perform hand hygiene with soap and water (Figure 2). Take note of areas most frequently missed during hand hygiene (Figure 3).



Figure 2: How to hand wash

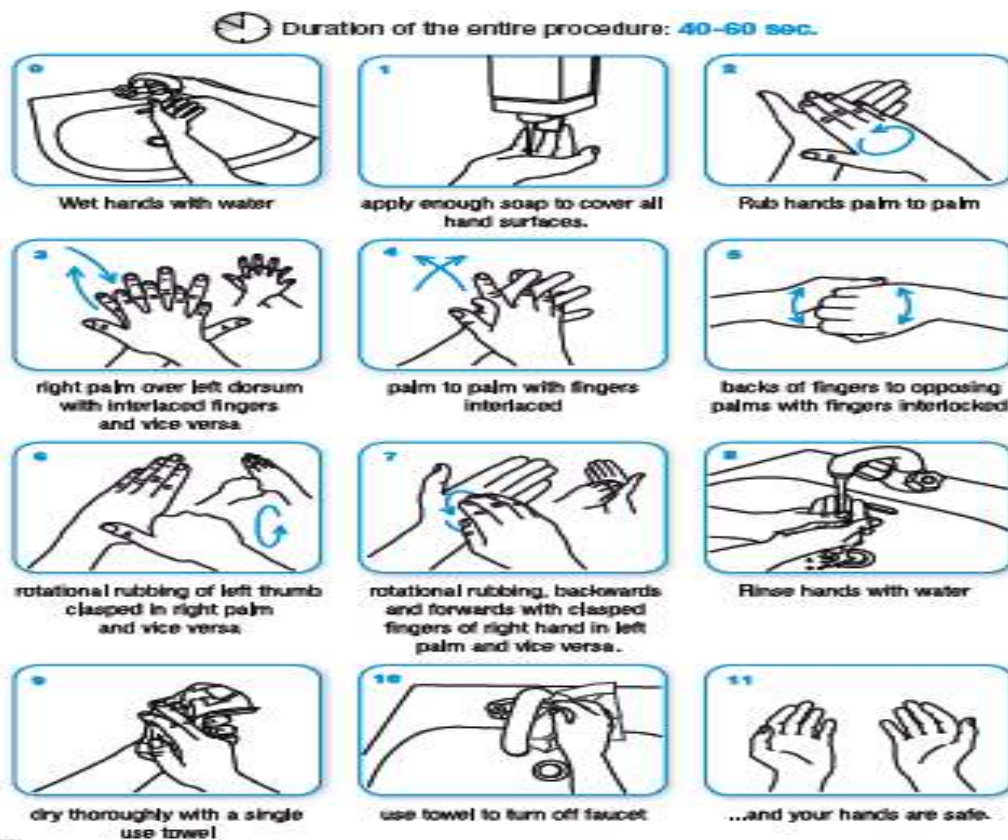
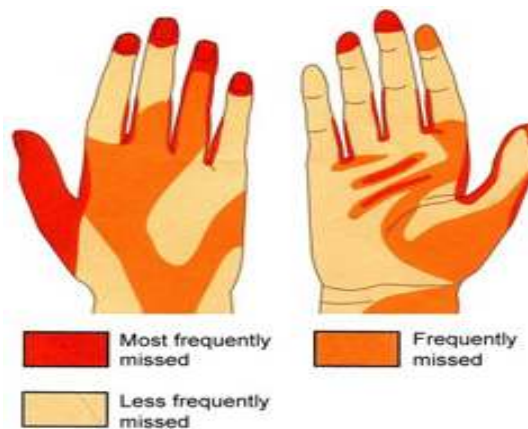


Figure 3: Most frequently missed areas during hand hygiene



5.4.5 Remove scrubs and place in laundry bin.

5.4.6 Remove shoes and place in laundry bin.



5.4.7 Shower with soap and water

5.4.8 Wear a fresh pair of scrubs, water proof shoes and gloves and return to the low risk area.

5.5 Precautions

5.5.1 Mobile phones and accessories must be kept away from the low risk and high risk area.

5.5.2 Health care workers entering the high risk area must enter in pairs.

6.0 References

6.1 Ebola & Marburg Outbreak Control Guidance Manual Version 2.0 Peter Thomson MSF 2007

6.2 Interim Infection Prevention and Control Guidance for Care of Patients with Suspected or Confirmed Filovirus Haemorrhagic Fever in Health-Care Settings, with Focus on Ebola August 2014 World Health Organisation

6.3 Infection control for viral haemorrhagic fevers in the African health care setting – World Health Organisation, US Department of Health and Human services.