

IREDELL HEALTH SYSTEM

Personal Cleansing and Garbing for Compounding of HAZARDOUS DRUGS	
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P&T Committee	Date: 04/2020

Purpose

To establish the appropriate measures required to complete hand hygiene and identify personal protective equipment (PPE) necessary to protect facility personnel while handling hazardous drugs (HD).

Policy

Before entering the ante-room, compounding personnel shall remove personal outer garments (e.g. bandannas, coats, hats, jackets, scarves, sweaters, vests); cosmetics; and all hand, wrist, and other visible jewelry or piercings (e.g. earrings, lip or eyebrow piercings) that can interfere with the effectiveness of PPE (e.g. fit of gloves and cuffs of sleeves). The wearing of nail products (i.e. nail polish, artificial nails or extenders) is prohibited while working in the sterile compounding environment. Natural nails shall be kept neat and trimmed.

Compounding personnel with such conditions as rashes, sunburn, weeping sores, conjunctivitis, or active respiratory infection may be excluded from working in ISO class 5 and ISO Class 7 compounding areas until their conditions are remedied.

Personnel shall don PPE in an order that proceeds from those activities considered the dirtiest to those considered the cleanest before entering the buffer room.

Gloves are to be replaced every 30 minutes during prolonged activities, unless otherwise recommended by the manufacturer's documentation and must be replaced, whenever it is suspected that they have been punctured, torn or contaminated with an HD. Gowns must be changed as per manufacturer recommendations or every two to three hours, whichever is more frequent, and after handling of any spill.

Procedure

1. Prior to entering the ante-room:
 - a. Tie any loose hair back and clean glasses.
 - b. Perform a hand hygiene procedure by removing debris from underneath fingernails, using a nail cleaner, under running warm water followed by vigorous hand washing. Wash hands and forearms to the elbows for at least 30 seconds with soap and water. (The use of antimicrobial scrub brushes is prohibited due to causing of skin irritation and skin damage, increasing the amount of cells being shed.) Clock shall be visible for time verification.
 - c. Dry hands and forearms to the elbows using lint-free disposable towels.
 - d. Step on the sticky-mat at least three times per foot prior to entering the ante-room.
2. Upon entering the ante-room and accessing the **Negative Pressure Buffer Room**, following hand hygiene procedure, don PPE as follows:
 - a. Safely don shoe covers. Lift one foot from the "dirty" side of the Line of Demarcation (LOD) within the ante-room, apply shoe cover, and place foot down on the "clean" side of the LOD. Repeat with the other foot. Inspect shoe covers for tears, ensuring the sole is completely covered and shoelaces are tucked inside the cover.
 - b. Once both feet are on the "clean" side of the LOD, apply a second pair of shoe covers.

- c. Don head and facial hair covers (e.g. surgical cap, beard covers) ensuring all hair is covered and tucked away. Using a mirror, inspect for exposed hair.
 - d. Don face mask.
 - e. Don goggles when there is a risk of spills and splashes.
 - f. Apply alcohol-based hand scrub to hands and wrists.
 - g. Don *inner* non-shedding disposable gown with sleeves that fit snugly around the wrists, enclosed at the neck and close in the back.
 - h. Sanitize hands using alcohol-based hand scrub.
 - i. After hands are allowed to dry, don *inner* sterile powder-free chemo-rated gloves and ensure *inner* pair of gloves is underneath the cuff of the *inner* gown.
 - j. Don *outer* chemo-rated disposable gown with sleeves that fit snugly around the wrists, enclosed at the neck and close in the back.
 - k. Don *outer* sterile chemo-rated gloves and ensure the *outer* pair of gloves is over the cuff of the *outer* gown.
3. Once all supplies are placed in transfer chamber of the Compounding Aseptic Containment Isolator (CACI), allow for transfer chamber to stay closed for at least one minute. During that time, remove *outer* pair of sterile chemo-rated gloves and dispose in a HD Waste container. Disinfect gloves with sterile 70% IPA prior to compounding.
 4. Don sterile chemo-rated gloves to the inside of the CACI.
 5. Upon completion of compounding, remove and place CACI *outer* gloves in a re-sealable plastic bag along with other disposables prior to removing items from the CACI. This bag is disposed of in a HD Waste container within the Negative Pressure Buffer Room prior to leaving.
 6. Before exiting the **Negative Pressure Buffer Room**, the *outer* shoe covers, *outer* gown and *inner* gloves are removed and discarded in the HD Waste container.
 7. Before exiting the ante-room, the remaining PPE is discarded in a HD waste container in the order as follows: 1) inner gown, 2) face mask (if applicable), 3) hair cover, and 4) inner shoe cover.
 8. Wash hands thoroughly after exiting ante-room.

INITIAL EFFECTIVE DATE: 05/2020

DATES REVISIONS EFFECTIVE:

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