

Checklist for Dialysis Station Routine Disinfection

Updated July 2019

Preparation for Disinfection of the Dialysis Station

- Gather necessary supplies including:
 - Personal protective equipment (PPE): eye goggles, gown and clean gloves.
 - Properly diluted hospital disinfectant (with a DIN number from Health Canada) and wipes/cloths (separate wipe(s)/cloth(s) per machine).
 - Biohazard disposal container(s)
- Perform hand hygiene.¹
- Don gown, eye goggles and clean gloves.
- Disconnect and takedown used blood tubing and dialyzer from the dialysis machine.
- Discard tubing and dialyzers in a leak-proof container (container is brought to the dialyzer station or is placed as near to the station as is practical as part of the supply set-up in step 1).
- Check that there is no visible soil or blood on surfaces.
- If drain bag is still hanging, remove bag and empty in the soiled utility area.
- Ensure that the patient has left the dialysis station.
 - Patients should not be removed from the station until they have completed treatment and are clinically stable.
 - If a patient cannot be moved safely, delay routine disinfection of the dialysis station.
 - If patients are moved to a separate seating area prior to removing cannulation needles or while trying to achieve hemostasis, disinfect the chairs and armrests in those areas in between patients.
- Discard all single-use supplies. Move any reusable supplies (e.g., clamps) to an area where they will be cleaned and disinfected before being stored or returned to a dialysis station. This may occur before or after the patient has left the station.
- Remove gloves and perform hand hygiene.

¹ Perform hand hygiene at the beginning of this process, at the end and at any point there is a contamination.

Routine Disinfection of the Dialysis Station

- Perform hand hygiene² and don clean gloves.

- Using a wiping motion (with friction), disinfect all surfaces in the dialysis station in contact with the patient and/or staff. e.g., dialysis chair or bed; tray tables; blood pressure cuffs; countertops; keyboard, etc.

- Clean dialysis machine from top to bottom.
 - If visible contaminant on the machine, wipe off using an absorbent material.
 - Clean the machine using wipes/cloths with a disinfectant that is acceptable to the HD machine manufacturer and the HA renal program/infection control.
 - Remove excess fluid from the wipes/cloth(s) prior to using to clean machine.
 - Clean the monitor.
 - If available on machine, activate the wipe screen option (pauses the screen).
 - If any residue remains after cleaning, wipe down screen with a clean, dry cloth.
 - Clean the top of the machine.
 - If the machine has a door(s), clean the front first, then the insides of the doors.
 - Clean all components of the main interface (screen) and the back of the machine* unless recommended otherwise by the manufacturer. e.g., sensors and optical detectors.
 - Clean exposed surfaces of dialysate, concentrate, and bicarb connectors.
 - Clean each side of machine.
 - Clean the area between the main interface (screen) and brakes, including the shelf.
 - Clean the brakes.

- * Frequency of cleaning back of machine is as per HA protocol.

- Ensure surfaces are visibly wet with disinfectant but not dripping. Allow surfaces to air-dry. Air-drying is recommended to allow for sufficient contact time with the disinfectant.

- Remove gloves, eye goggles and gown.

- Perform hand hygiene.

² Perform hand hygiene at the beginning of the process, at the end and at any point there is a contamination.

Special Note on Cleaning the Fresenius 5008 CorDiax Hemodialysis Machine

AVOID wiping the following areas (clean the plastic but NOT the sensor/connector):

- Venous pressure luer connector (carefully wipe around and do not allow wipe to cover the connector).
- Single needle pressure luer connector (carefully wipe around and do not allow wipe to cover the connector).
- Blood/air detector.
- Temperature sensors.
- Blood volume monitor.

Do not bring patient or clean supplies to station until these steps have been completed.

References:

1. Checklist: Dialysis Station Routine Disinfection. Centers for Disease Control and Prevention National Center for Emerging and Zoonotic Infectious Diseases. www.cdc.gov/dialysis_checklist.
2. Fresenius "Cleaning the 5008 CorDiax: General External Cleaning Instructions."