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 hygiene\(^2\) 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:
2. Fresenius "Cleaning the 5008 CorDiax: General External Cleaning Instructions."