



MRI Equipment

General Cleaning and Disinfection

Quick Reference Guide



Careful planning and diligent upkeep of an MR facility can provide a safe environment for both patients and employees.

Cleaning and disinfection of patient contact surfaces is recommended following each use of the Scanner, table and associated coils.

All non-patient contact surfaces such as User interface screen and control room equipment should be cleaned and disinfected following internal housekeeping procedures unless otherwise indicated in the following instructions.

Always inspect pads for peeling or cracking. If a cracked or peeling pad is identified, replace these to prevent potential biohazard contamination.

Cleaning and disinfection recommendations for the MR system, Coils and most Accessories

1 Cleaning

Clean with commercially available wipes that contain 0.525% minimum sodium hypochlorite as the only active ingredient. If commercially available wipes are not available, then follow one of these instructions.

1. Clean with a lint free cloth saturated with a 1:10 dilution of commonly available bleach containing a recommended minimum sodium hypochlorite of 5.25%. Dilute the bleach with tap water.
2. Use a lint free cloth that has been saturated with a 70% isopropyl alcohol solution made from 100% isopropyl alcohol and 30% tap water.
3. Use a lint free cloth with a commercially prepared solution of 70% concentration isopropyl alcohol.

Regardless of the method used, **inspect** to ensure visual cleanliness prior to disinfection. **Repeat** the cleaning process until all visible dirt has been removed.

2 Disinfection

Disinfect with commercially available wipes that contain 0.525% minimum sodium hypochlorite as the only active ingredient following the manufacturer's instructions. If commercially available wipes are not available, then follow these instructions.

1. Disinfect with a lint free cloth, a 1:10 dilution of commonly available bleach containing a recommended minimum sodium hypochlorite of 5.25%. Dilute the bleach with tap water.
2. For general disinfection or disinfection following cleaning of blood and/or body fluids, 5 minutes contact time is recommended. Refer to internal procedures or refer to publications such as "CDC Guideline for Disinfection and Sterilization in Healthcare Facilities," 2008 or latest revision, for guidance.
3. Disinfectant may need to be reapplied to ensure surfaces remain wet for the duration of the selected contact time.
4. After you have cleaned and disinfected with bleach (sodium hypochlorite), wipe surfaces with a disposable lint free wipe that has been dampened with purified water to remove any remaining bleach residue.

For infected patients, the equipment should be cleaned using high-level disinfecting agents. Please refer to the health regulations for your country and local infection control department.



CAUTION

To avoid possible damage to equipment, do not use solutions containing amines, strong alkalis, quaternary ammonium chloride compounds, esters, iodine, aromatic or chlorinated hydrocarbons, or ketones. Do not use autoclaves or the industrial washers and dryers found in most hospitals or professional laundry services.

CAUTION

The coil contains sensitive electronic components that may become damaged. Do not spray or pour cleaning solution directly onto the coil. Do not submerge the coil in any solution. Under no circumstances should the coil be placed into any type of sterilizer.

WARNING

Electric shock may occur if the coil is attached to the system during cleaning or when it is still wet. Detach coil connector from the scanner before attempting to clean the coil. Do not touch connectors with bare fingers. Never press sharp objects against connector surface. Do not reattach connector after cleaning until the coil has dried completely.

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