

Endocavity Ultrasound Probe: Cleaning and Disinfection

Purpose

The purpose of this procedure is to provide MI staff with a process to high-level disinfect reusable critical medical devices to prepare for safe reuse on another patient.

Site Applicability

This procedure is applicable to the Medical Imaging (MI) department at Bella Coola Hospital

Practice Level

MI Staff: Sonographers and all MI staff

Requirements

It is the responsibility of sonographers and MI staff to ensure compliance with this procedure. Staff must complete continuing competency and testing requirements prior to performing any of the steps of reprocessing (e.g. pre-cleaning, cleaning, high level disinfection, sterilization).

Procedure

Pre-cleaning

1. **Remove** gross soil and gel from transducer with a cloth immediately after procedure at point-of-use.
2. **Clean** transducer with new accelerated hydrogen peroxide or Cavicide wipes using force & friction (rub/scrub) motion to remove any foreign matter starting from the least contaminated area to the most contaminated area (i.e. cable to end of transducer). Discard wipe.
3. **Disinfect** transducer with a second accelerated hydrogen peroxide wipe using force & friction (rub/scrub) motion. Allow a 1-minute wet contact time.

Transportation

1. Transport pre-cleaned item to a designated location in a clean and covered container for high level disinfection

Manual Cleaning

1. If it is not possible to clean the transducer with an enzymatic detergent soon after use, it must be kept moist by enclosing it in a wet towel until it can be properly cleaned.
2. Clean with Revital-Ox Enzymatic Sponge using force and friction.
3. Rinse the detergent off the probe with tap water

Drying

1. Drain excess water
2. Dry probe thoroughly by wiping off moisture with a clean, dry, lint-free, soft absorbent cloth

Chemical High Level Disinfection

1. Move clean, dry transducer to designated location for high level disinfection
2. Ensure that the temperature of the HLD Solution (Revital-Ox Resert) is $\geq 20^{\circ}\text{C}$
3. Place the transducer in Revital-Ox Resert solution and set a timer for 5 minutes.

Document Ultrasound Probe Reprocessing

Document on the following on the log sheet

- a. Date
- b. Time the probe was placed in the GUS container
- c. Probe Number
- d. Temperature of the Revital-Ox Resert solution
- e. Patient MRN

Clean Rinse

1. After 5 minutes, fill three graduated containers with distilled water
2. Take the transducer out of the GUS unit
3. Soak the probe in the one graduated container and set timer for 1 minute
4. After 1 minute, remove the transducer
5. Repeat step 3 and 4 two additional times for a total of three rinses in the other two remaining graduated containers
6. Dry the probe
7. Attach 'Clean' label with date and time of reprocessing to probe and place on rack
8. Document the time the probe was taken out of the GUS container on the log sheet

Clean Containers

1. Discard distilled water from three graduated containers
2. Low level disinfect the containers with Accel Wipes or CaviWipes and leave for 1 minute to dry prior to reusing

Final Step

At the end of the day, all bins are taken to MDRD for terminal cleaning

Related Documents

Related Policies

- [RSA-SOP: 0200 Pre-Cleaning Work Instruction](#)
- [RSA-SOP: 0400 Transportation of Soiled Reusable Medical Devices and Equipment](#)
- [RSA-SOP: 0500 Cleaning Reusable Medical Devices and Equipment](#)

Guidelines/Procedures/Forms

- [Log for Revital-Ox Cleaning and Disinfecting of US Transducers](#)
- [Test Strip QC Revital-Ox Resert Record](#)
- [Daily QC Testing of Revital-Ox Resert Solution Record](#)

References

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