

INTERDISCIPLINARY GUIDELINE

B-00-13-10103 – Endoscopes and TEE Probes

Endoscopes and Transesophageal Echocardiogram Probes in the OR; Care and Tracking

Site Applicability:

Operating Rooms (ORs) at St Paul's Hospital (SPH)

Skill Level:

Basic: within the scope of Operating Room RN, LPN or Anesthesia Assistant (AA)

Clinical Indication:

Pre-cleaning an endoscope or probe after use prior to cleaning and sterilization in the Medical Device Reprocessing Department (MDRD).

Need to Know:

- Transesophageal echocardiogram (TEE) procedure is carried out independently by the Anesthesiologist. The TEE probes are kept outside OR 7 in the OR core.
- Bronchoscopy to assist in intubation is performed by the anesthesiologist and assisted by the Anesthesia Assistant or RN. These bronchoscopes are kept on the bronchoscopy cart or outside OR 7 in the OR core.
- Colonoscopy intra-operatively is performed by the surgeon and assisted by the circulating RN. The sterile colonoscope is kept in MDRD.
- Endoscopes and TEE probes used in the OR are reprocessed by MDRD. These devices are sterilized or cleaned to High Level Disinfection between each patient use depending on the item.
- If there is any doubt about the cleanliness of endoscopes and TEE probes send to MDRD immediately for reprocessing
- Remove and send any broken or malfunctioning devices to Biomedical Engineering Department, arranged through the AA or MDRD.

PRACTICE GUIDELINE

Equipment & Supplies:

TEE:

1. Personal protective equipment
2. Meterisponge
3. TEE plastic bin and blue sponge provided by MDRD in the bin

Bronchoscope & Colonoscope

1. Personal protective equipment
2. D-Zyme cleaning kit
3. 1 L bottle of sterile water
4. Suction unit and tubing

Procedure:

TEE:

1. TEE probe is removed from the patient
2. Metrisponge is used to clean the probe – contact time 2 to 5 mins
3. TEE probe is put back in the container with the blue sponge cover placed on the ultrasound portion of the TEE probe.



BRONCHOSCOPE:

1. Using the D-Zyme sponge from the cleaning kit, wipe the insertion tube of the scope from handset control to the distal end.
2. Attach the biopsy valve cap.
3. Aspirate D-Zyme detergent from the cleaning kit for 30 seconds.
4. Aspirate sterile water for 30 seconds.
5. Aspirate air for 10 seconds.
6. Return the scope to its bin.
7. Complete the label on the red “SOILED” card.
8. Send the scope for reprocessing as soon as possible. Scope must be reprocessed in MDRD within 1 hour of use

INTERDISCIPLINARY GUIDELINE


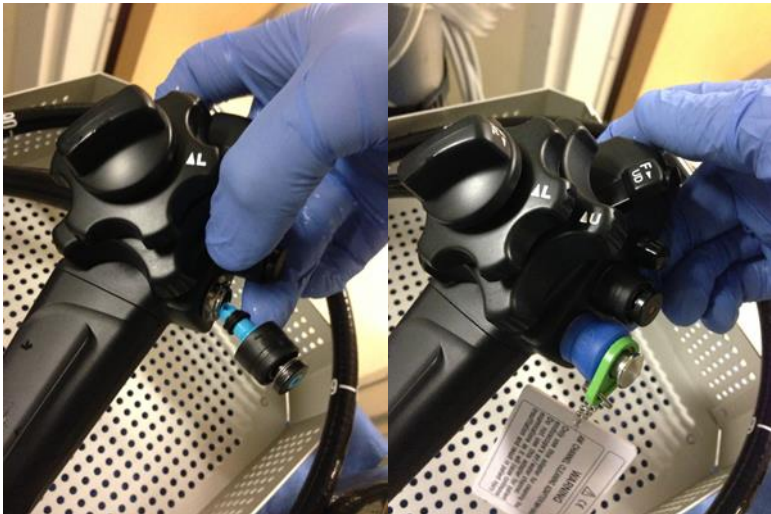

B-00-13-10103 – Endoscopes and TEE Probes

COLONOSCOPE:

<ol style="list-style-type: none"> 1. Using the D-Zyme sponge from the cleaning kit, wipe the scope from handset control to the distal end. 	
<ol style="list-style-type: none"> 2. Press the red scope button and aspirate the D-Zyme detergent from the cleaning kit 	



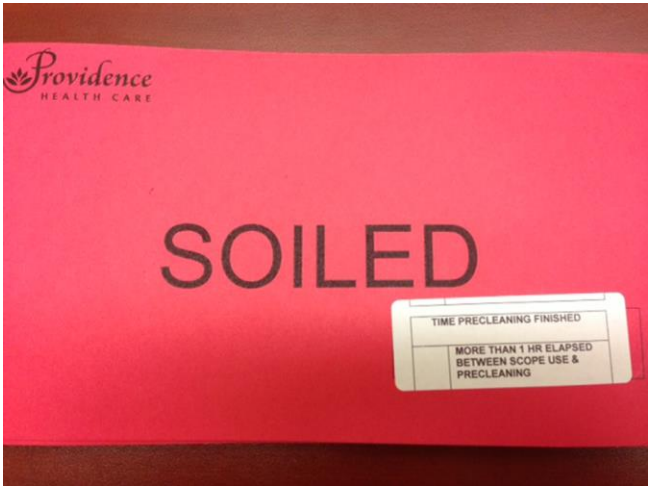
INTERDISCIPLINARY GUIDELINE

B-00-13-10103 – Endoscopes and TEE Probes

<p>3. Press the red scope button and aspirate the sterile water for 10 seconds and aspirate air for 10 seconds</p>	
<p>4. Remove blue button and replace with tagged blue-green adaptor found in the instrument pan.</p>	
<p>5. Immerse the scope tip in sterile water and press the blue-green adaptor for 30 seconds</p>	

INTERDISCIPLINARY GUIDELINE

B-00-13-10103 – Endoscopes and TEE Probes

<p>6. Keep the scope tip in the sterile water and release the adaptor for 10 seconds. Step on the scope pedal for 10 seconds.</p>	
<p>7. Place scope back in the instrument pan and send to MDRD on dirty case cart.</p>	
<p>8. Complete the label on the red "SOILED" card that comes in the instrument set. Document the time the pre-cleaning was completed and indicate if this was more than 1 hour after use.</p> <p>9. Scope must be reprocessed in MDRD within 1 hour of use.</p>	

INTERDISCIPLINARY GUIDELINE

B-00-13-10103 – Endoscopes and TEE Probes

Documentation:

On the patient OR record:

- The Endoscopist
- Serial number or a unique identifier assigned by the Biomedical Engineering Department

References:

1. Operating Room Nurses Association of Canada (2017). Reprocessing Surgical Instruments. The ORNAC Standards, Guidelines, and Position Statements for Perioperative Registered Nurses (13th ed.) (174-175).
2. Conner, R. (2012). Perioperative standards and recommended practices: For inpatient and ambulatory settings. Denver, CO: AORN Publications Department (499-512).
3. CSA – Z314.8-14. Decontamination of reusable medical devices

Persons/Groups Consulted:

Head Anesthesia Department
Head of Anesthesia Assistants PHC
CNL Cardiac OR SPH
Nurse Educator MDRD SPH
Nurse Educator OR SPH
Nurse Educator OR MSJ

Developed By:

Nurse Educator Operating Room SPH

Approved By: Professional Practice Standards Committee

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