

## **Endoscopy, It's Time to Shift Gears Back to Elective Procedures**

Now that elective procedures are resuming, it is important to ensure Endoscopy Departments are ready to support the schedule.

Evaluating equipment prior to a restart can help prevent delays and make sure things run smoothly.

Please use this document to help guide you through some things to check prior to restart. Always refer to manufacturer Instructions for Use (IFU) for complete inspection and startup guidance.

### ***Facility items to check may include but not limited to:***

- Water treatment
  - a. Run water as directed by tank instructions for use (IFU) and check status
  - b. Flush water lines that have been dormant
  - c. Conduct water analysis that includes microbial counts
  
- Instrument Air
  - a. Inspect pumps, lines, and attachments per manufacturer IFU
  - b. Inspect and change filters as needed

### ***Decontamination items to check may include but not limited to:***

- Sinks
  - a. Flush lines of dormant sinks and accessories
  - b. Conduct water analysis of utility and critical water that includes microbial counts to reduce microbial load
  - c. Verify calibrations of chemical dispensing systems
  - d. Inspect all tubing, hoses, nozzles and other accessories for cracks, leaks, or visible biofilm formation
  - e. Consider treating sink drains and surfaces to reduce microbial load
  - f. Consider disposing of all used endoscope brushes
  
- Lumen flow equipment
  - a. Inspect hosing, connectors, and accessories for cleanliness and function
  - b. Perform calibrations as needed per manufacturer's Instructions for Use (IFU)
  - c. Perform unit verification
  - d. Perform decontamination of tubing/equipment per OEM IFUs

- Leak Tester
  - a. Inspect hosing, connectors, and accessories for cleanliness and function
  - b. Perform calibrations as needed per manufacturer's Instructions for Use (IFU)
  - c. Perform decontamination of tubing/equipment per manufacturer's IFU
  
- Cleaning Chemistries
  - a. Check container expiration dating. Dispose and replace as needed. If gross amounts of debris are seen in the open container, dispose and replace.
  - b. Inspect dispensing tubing and connections for cleanliness and function
  - c. Perform decontamination of tubing/equipment manufacturer's IFU
  
- Disposables
  - a. Check container expiration dating of disinfection sprays and wipes. Dispose and replace as needed.
  - b. Check expiration date of cleaning indicators and test supplies. Dispose and replace as needed.
  
- High Level Disinfection Soak Basins
  - a. Inspect and disinfect soak basins and lids for cracks, discoloration, or other damage; i.e. broken cracked bins or lids
  - b. Check high level disinfectant container expiration dating and replace as needed
  - c. Check expiration dating on all disposables including chemical indicators (CIs). Dispose and replace as needed.
  
- Automated Endoscope Reprocessing (AER) Systems
  - a. Inspect gaskets, connectors, hoses, and accessories for cleanliness and function
  - b. Check high level disinfectant and cleaning chemistry container expiration dating and replace as needed
  - c. Check expiration dating on all disposables including chemical indicator (CIs) and filters. Perform decontamination cycle as instructed by IFUs.
  - d. Perform qualification testing, if applicable
  - e. Verify printer paper is present (where applicable)
  - f. Run a test print to confirm print density (where applicable)
  - g. Verify equipment connectivity to data management systems

- Liquid Chemical Sterilant Processing System
  - a. Inspect gaskets, connectors, hoses, and accessories for cleanliness and function
  - b. Check expiration dating on all disposables including sterilant, filters, chemical indicators (CIs) and spore test strips and replace as needed
  - c. Perform qualification testing
  - d. Verify printer paper is present (where applicable)
  - e. Run a test print to confirm print density (where applicable)
  - f. Verify equipment connectivity to data management systems (For SYSTEM 1® Endo Liquid Chemical Sterilant Processing System only)

***Endoscope Storage items to check may include but not limited to:***

- Dispose of expired disposables and replenish
- Identify expired sterile valves, syringes, or other accessories. Remove and reprocess or replace.
- Reprocess or disinfect transport bins and carts per facility policy
- Check cabinet filter expiration. Dispose and replace as needed.
- Perform routine maintenance tasks per storage cabinet IFUs
- Examine scope inventory for expired hang times. Remove and reprocess.
- Inspect environment for cleanliness and contaminants and disinfect as needed

***Endoscopy Procedure Room items to check may include but not limited to:***

- Dispose of expired disposables and replenish
- Identify expired sterile valves, syringes, or other accessories. Remove and reprocess or replace.
- Identify expired bed side cleaning kits, bags, syringes, or other cleaning accessories. Remove and replace.

***Staff preparedness items to check may include but not limited to:***

- Review reprocessing IFU and assess needs for competency checks
- Determine need for increased cleaning testing or microbial testing

References

- Association for the Advancement of Medical Instrumentation. (2013). ANSI/AAMI ST58: 2013 Chemical sterilization and high-level disinfection in health care facilities. Arlington, VA: Author.
- Association for the Advancement of Medical Instrumentation. (2015) ANSI/AAMI ST91:2015 Flexible and semi-rigid endoscope processing in healthcare facilities. Arlington, VA: Author
- Association for the Advancement of Medical Instrumentation. (2014) ANSI/AAMI TIR34:2014 Water for the reprocessing of medical devices. Arlington, VA: Author