



Nursing Service Guidelines Endoscopy Unit

- Title:** **REPROCESSING FLEXIBLE ENDOSCOPES:
LEAK TESTING**
- Responsibility:** Endoscopy Staff (RN, LPN & Endo Techs)
- Purpose of Guidelines:** The purpose is to provide standardization for leak testing of all endoscopes and identify interior and/or exterior damage to scopes prior to reprocessing.
- Supplies needed:**
1. Clean basin or sink
 2. Air source
 3. 30 ml syringe

Following endoscopic procedure and pre-cleaning. Leak testing is done in the scope room.

1. Wear appropriate personal protective equipment.
2. Fill basin/sink with clean water.
3. Connect leakage tester to air source.
4. Turn ON air source and set air flow regulator to maximum level. Confirm that air is being emitted.
5. Attach leak tester to scope and pressurize scope for approximately 30 seconds before submerging into clean water.
6. Completely immerse the scope in water.
7. Flush all channels with water until no bubbles emerge.
8. Observe for 60 seconds while angulating the bending section in all directions.
9. If continuous series of bubbles emerges from any location, follow handling damaged equipment guidelines.
10. If no leak detected, remove scope from the water and turn OFF air source.
11. Disconnect the leakage tester from the air source and allow the scope to depressurize for approximately 30 seconds.

Reviewed by:

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Approved:

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