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HACKETTSTOWN REGIONAL MEDICAL CENTER

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Minor Procedure
(Scope)

TITLE: **DECONTAMINATION OF OLYMPUS ENDOSCOPES**

PURPOSE: To ensure that personnel are following the same procedure in the decontamination of the Olympus endoscopes.

SUPPORTIVE DATA:
The Olympus Endoscope Reprocessing Manual – 2002
SGNA 2000

EQUIPMENT LIST:
Personal protective equipment, soft brush, clean lint free cloths, detergent solution, clean water, suction cleaning adapter, channel plug, injection tube, channel cleaning brush, channel opening cleaning brush, auxiliary water tube.
Note: Please follow procedure for Leak Testing (7430.002a) prior to this procedure.

CONTENT:
Cleaning

PROCEDURE	KEY POINTS
1. Fill sink with warm tap water and detergent solution.	
2. Be sure waterproof cap remains on scope after leak test	
3. Immerse scope entirely into detergent and water.	Pay particular attention to air/water nozzle opening and distal end of scope are clean.
4. When scope is in water use a soft brush or lint-free cloth to clean al external surfaces of the scope.	
5. Keeping the scope submerged, start cleaning channel(s) with cleaning brush. Brush the instrument and suction channels, suction cylinder and instrument channel port according to the following diagram.	Make sure to check tip of cleaning brush for damage and/or irregularities as this will not clean lumens properly. Dispose of damaged brush and use a new one.
6. Insert cleaning brush into instrument/suction channel (location A fig 3.17) at a 45 angle and slowly feed brush through the channel until it comes out of the distal end. Clean bristles with fingertips in detergent. Slowly pull brush back through channel. Clean bristles again and repeat process **THREE (3) TIMES OR UNTIL BRISTLES ARE CLEAN**.	**There will be at least three (3) consecutive passes through the channel**
7. Insert cleaning brush into suction channel (location B fig. 3.17) at a straight angle and slowly feed brush through the channel until it comes out the suction connector end. Clean bristles with fingertips in detergent. Slowly pull brush back through channel. Clean bristles again and repeat process **THREE (3) TIMES AND/OR UNTIL CLEAN**	**There will be at least three (3) consecutive passes through the channel**

8. Insert cleaning brush into instrument channel and slowly feed brush through the channel until it comes out the distal end. Clean bristles with fingertips in detergent. Slowly pull brush back through channel. Clean bristles again and repeat process **THREE (3) TIMES AND/OR UNTIL CLEAN**

9. Insert channel-opening brush (small brush) into suction cylinder and instrument channel port (location C & D fig. 3.17) until handle touches the channel opening. Turn brush once. Pull out and clean brush in detergent. **REPEAT PROCESS UNTIL CLEAN**

Flushing air/water Channels

1. Attach the channel plug's biopsy valve cap to the instrument channel port (Fig. 3.20).

2. Attach injection tube connector plug to the air/water supply connectors on the scope (Fig. 3.21).

3. Attach injection tubes air pipe port to the air pipe on scope (Fig. 3.21).

4. Attach injection tube suction channel tube to suction connector on scope. (Fig. 3.21).

5. Immerse suction port of injection tube into detergent solution.

6. Attach a 30cc syringe to the injection tube's air/water channel.

7. Inject 90cc of detergent solution into the air/water channel.

8. If it's a Colon or ERCP the auxiliary water tube needs to be attached and flushed with 30cc's of solution. **This is to be done three (3) times**

9. Disconnect the channel plug and injection tube from the endoscope and leave all items immersed.

10. After the following is completed the scope is then placed in the ASP processor.

11. Follow guidelines provided by manufacturer for connecting scope to processor.

12. Of Special Note:
Chemical Test Strip is to be used for **every** processor cycle.

13. Cidex OPA Disinfectant Guidelines specify solution to be changed every 10 days or cycle count of 48. Solution **must** be discarded after 14 days.

14. Log Book is maintained to indicate Cidex Solution change.

These steps are done only if cleaning scope manually. This process has been replaced with the Endoflush system.