GIF Dual-Instrument-Channel Endoscopes

Cleaning and Disinfection Checklist

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This checklist is designed for use solely as a customer educational tool and is not intended to replace or in any way modify the Olympus instruction manual/reprocessing manual. Be sure to follow the detailed steps outlined in the reprocessing manual that was included with your Olympus equipment when purchased. While Olympus' training may be used in support of a facility's overall competency program, it shall not constitute certification of the facility's CDS protocol. Olympus shall in no event be held responsible for a facility's proper performance of CDS protocol nor for a facility staying current with ongoing CDS instructional changes and corresponding training updates. Facility owners of Olympus equipment are fully responsible for complying with industry CDS standards and manufacturer's proper use and CDS instructions.

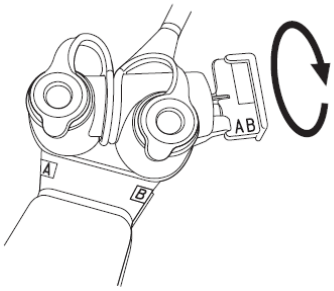
Facility Name	
Date	

Endoscope Models: Check each model reviewed during this session.

☐ GIF-2TH180 ☐ GIF-2T160

Instructor Name	
Title	
Signature	

Staff Member Name	
Signature	

Pre-Cleaning		Demonstrated
1.	Wear appropriate Personal Protective Equipment. (PPE).	
2.	Turn OFF the video processor and light source.	
3.	Wipe down the insertion tube with a detergent-soaked lint-free cloth.	
4.	Turn ON the suction source and ensure the biopsy valve cap is closed.	
5.	With biopsy caps closed, turn the suction switchover lever so that AB is facing upward. 	
6.	Immerse the distal tip in detergent and depress the suction valve to aspirate detergent for 30 seconds.	
7.	Remove the distal tip from the detergent and depress the suction valve to aspirate air for 10 seconds.	
8.	Turn OFF the suction source.	
9.	Remove the air/water valve and attach the air/water channel cleaning adapter.	
10.	Immerse the distal tip in clean water.	
11.	Turn ON the light source and set the airflow regulator to HIGH.	
12.	Depress the air/water channel cleaning adapter and flush water for 30 seconds.	
13.	Release the air/water channel cleaning adapter to flush air for 10 seconds.	
14.	Turn OFF the light source.	
15.	a. For manual flushing of auxiliary water channel:	
	1. Attach a clean MAJ-855 to the auxiliary water inlet (if applicable).	
	2. Immerse the distal tip in water.	
	3. Fill a 30ml syringe with detergent, attach it to the MAJ-855, and flush 30mls of water.	

	4. Fill a 30 ml syringe with air, attach it to the MAJ-855, and flush 30mls of air several times.	
	5. Detach the syringe and leave the MAJ-855 attached to the endoscope.	
	b. For automated flushing of the auxiliary water channel using the OFP-2 Flushing Pump.	
	1. Confirm proper attachment of the MAJ-855 (or disposable auxiliary water channel tube and cap MAJ-1652/MAJ-1651) and flushing pump tubing.	
	2. Immerse the distal tip in water. Set the water flow on the flushing pump to maximum.	
	3. Activate the flushing pump for 10 seconds.	
	4. Detach the MAJ-855/disposable attachment cap MAJ-1652 from the flushing pump.	
	5. Leave the MAJ-855 attached to the endoscope.	
16.	Disconnect all removable and reusable parts from the endoscope.	
17.	Confirm that the water-resistant cap is dry and free of debris, and attach the water-resistant cap.	
18.	Transport to reprocessing area in covered container.	

Comments:

Leakage Testing		Demonstrated
1.	Fill a basin with clean water.	
2.	Detach air/water channel cleaning adapter, suction valve and biopsy valve from the endoscope.	
3.	Connect the leakage tester to the MU-1. (Maintenance unit).	
4.	Turn ON the MU-1.	
5.	Depress pin inside connector cap to confirm that air is being emitted.	
6.	Confirm that the leakage tester's connector cap and venting connector on water resistant cap are dry.	
7.	Connect the leakage tester to the endoscope. Ensure bending section has inflated.	

8.	Completely immerse the endoscope in water.	
9.	Observe for 30 seconds while angulating the bending section in all four directions.	
10.	If a continuous series of bubbles emerges from any location, remove the endoscope from the water, and contact Olympus for further instructions.	
11.	If no leak is detected, remove the endoscope from the water and turn OFF the MU-1.	
12.	Disconnect the leakage tester from the MU-1.	
13.	Wait 30 seconds or until the bending section contracts to its pre-expansion size.	
14.	Disconnect the leakage tester connector cap from the venting connector.	
15.	Thoroughly dry the leak tester using a clean lint free cloth.	

Comments:

Manual Cleaning		Demonstrated
1.	Fill a basin with fresh detergent solution prepared as recommended by the manufacturer.	
2.	Completely immerse the endoscope and accessories in detergent solution.	
3.	Use a brush, lint-free cloth, or sponge to thoroughly clean all external surfaces.	
4.	Use endoscope model-specific brushes to brush channels/suction cylinders/instrument ports until no visible debris remains.	
	a. Brush the instrument/suction channel in the insertion tube:	
	1. Insert the channel-cleaning brush at 45° angle into the opening located at the side wall of the suction cylinder.	
	2. Using short strokes, feed the brush through the instrument channel until it emerges from the distal end of the endoscope.	
	3. Remove any debris from the bristles with your fingertips and carefully pull the brush back through the instrument channel.	
	4. Clean the brush bristles with your fingertips to remove any debris.	
	5. Repeat until no debris is observed on the brush.	

	b. Brush the suction channel in the universal cord:	
	1. Insert the channel-cleaning brush straight into the suction cylinder.	
	2. Using short strokes, feed the brush through the suction channel until it emerges from the suction connector on the endoscope connector.	
	3. Remove any debris from the bristles with your fingertips and carefully pull the brush back through the instrument channel.	
	4. Clean the brush bristles with your fingertips to remove any debris.	
	5. Repeat until no debris is observed on the brush.	
	c. Brush the instrument channels in the insertion section:	
	1. Insert the channel-cleaning brush into one of the instrument channels.	
	2. Using short strokes, feed the brush through the instrument channel until it emerges from the distal end of the endoscope.	
	3. Remove any debris from the bristles with your fingertips and carefully pull the brush back through the instrument channel.	
	4. Clean the brush bristles with your fingertips to remove any debris.	
	5. Repeat until no debris is observed on the brush.	
	6. Insert the channel-cleaning brush into the other instrument channel port.	
	7. Repeat Steps 2 through 5 for the other instrument channel.	
	d. Brush the suction cylinder.	
	1. Insert the channel-opening cleaning brush into the suction cylinder until half the brush section is inserted.	
	2. Rotate the brush one full revolution and pull the brush out of the suction cylinder.	
	3. Clean the brush bristles with your fingertips to remove any debris.	
	4. Repeat until no debris is observed on the brush.	
	e. Brush the instrument channel ports.	
	1. Insert the channel-opening cleaning brush into one of the channel ports fully until the brush handles touches the channel opening.	
	2. Rotate the brush one full revolution and pull the brush out of the instrument channel port.	
	3. Clean the brush bristles with your fingertips to remove any debris.	

	4. Repeat until no debris is observed on the brush.	
	5. Repeat steps 1-4 for the other instrument channel port.	
5.	Attach the channel connection tube (MAJ-420) to both instrument channel ports on the endoscope.	
6.	Connect the suction tube from the suction source to the suction connector on the endoscope.	
7.	Immerse the distal end and weighted end of the suction cleaning adapter in detergent.	
8.	Turn ON the suction source.	
9.	Cover the suction cylinder and aspirate detergent solution for approximately 30 seconds.	
10.	Turn OFF the suction source.	
11.	Detach the suction tube and the channel connection tube.	

Comments:

Manual Cleaning Manual Flushing of Endoscope Channels		Demonstrated
1.	Attach the channel plug to the air/water and suction cylinders, the channel connection tube to both instrument channel ports and the injection tube to the endoscope connector.	
2.	Immerse the suction port of the injection tube into detergent solution.	
3.	Attach a 30ml syringe to the air/water channel port of the injection tube.	
4.	Flush the air/water channel with 90mls of detergent.	
5.	Disconnect the channel plug, channel connection tube, and the injection tube from the endoscope and leave them immersed in detergent.	
6.	Attach the auxiliary water (MAJ-855) tube to the auxiliary water inlet.	
	a. Use a 30ml syringe to flush 90mls of detergent solution into the auxiliary water channel.	

	b. Disconnect the auxiliary water tube, and leave it immersed in detergent.	
7.	Wipe the external surfaces of the endoscope/accessories with a clean lint-free cloth, brush, or sponge.	
8.	Soak the endoscope and accessories in detergent solution for the time specified by the detergent manufacturer.	
9.	Remove the endoscope and accessories from the detergent solution.	
10.	Immerse endoscope and accessories in clean water, and gently agitate to rinse.	
11.	Re-attach the channel plug and injection tube to the endoscope, and the channel connection tube to both instrument channel ports.	
12.	Immerse the suction port in clean water.	
13.	Use a 30ml syringe to inject 90mls of water into the air/water channel.	
14.	Attach a 30ml syringe to the suction-channel port of the injection tube and inject 90mls of clean water.	
15.	Re-attach the auxiliary water tube and use a 30ml syringe to flush the auxiliary water channel with 90mls of water.	
16.	Remove the endoscope and accessories from the water and place them in a clean basin.	
17.	Cover the distal end with a clean lint-free cloth.	
18.	Use a 30ml syringe to inject 90mls of air through both the air/water port and suction-channel port of the injection tube.	
19.	Attach a 30ml syringe to the auxiliary water tube and inject 90mlsof air through the auxiliary water channel.	
20.	Disconnect the channel plug, injection tube, channel connection tube, and auxiliary water tube from the endoscope.	
21.	Use a lint-free cloth to dry all external surfaces of the endoscope, channel plug, injection tube, channel connection tube, and auxiliary water tube.	
22.	Reprocess the accessories as described in the Olympus Reprocessing Manual, Chapter 6, *Reprocessing the Accessories*.	

Comments:

Automated Endoscope Reprocessor (AER) High-Level Disinfection		Demonstrated
AER Type:		
High Level Disinfectant Type:		
1.	Test the disinfectant concentration (i.e., MRC) according to the manufacturer's instructions.	
2.	Inspect the connections according to the AER manufacturer's instructions.	
3.	Attach the endoscope connectors/adapters to the AER and endoscope as per the AER manufacturer's instructions.	
4.	Operate the AER according to the AER manufacturer's instructions.	
5.	Remove the endoscope promptly after the AER cycle is completed.	
6.	Perform the terminal steps that the AER does not perform (e.g., alcohol and air purge).	
FOR FACILITY INTERNAL USE ONLY!		

Comments:

Manual High-Level Disinfection		Demonstrated
1.	Fill a basin with disinfectant solution.	
2.	Test the disinfectant concentration (i.e., MRC) according to the manufacturer's instructions.	
3.	Attach the channel plug, injection tube, channel connection tube and the auxiliary water tube to the endoscope.	
4.	Completely immerse the endoscope and accessories in disinfectant solution.	
5.	Use a 30ml syringe to inject 90mls of disinfectant into both the air/water and suction channel ports and confirm that no bubbles exit the distal tip.	
6.	Use a 30ml syringe to inject 90mls of disinfectant into the auxiliary water channel tube and confirm that no bubbles exit the distal tip.	
7.	Disconnect all equipment from the endoscope.	

8.	Remove any bubbles that adhere to the surfaces with a gloved finger or clean lint-free cloth.	
9.	Cover the basin with a tight-fitting lid and soak the endoscope and equipment for the time and at the temperature recommended by the disinfectant manufacturer.	
10.	Reconnect the channel plug, injection tube, channel connection tube and auxiliary water tube to the endoscope.	
11.	Remove the suction port of the injection tube from the disinfectant solution.	
12.	Attach a 30ml syringe to the suction channel port and the air/water port on the injection tube and inject 90mlsof air into each port.	
13.	Re-attach the auxiliary water tube (MAJ-855) to the endoscope.	
	a. Use a 30ml syringe to inject 90mls of air through the auxiliary water tube.	
14.	Remove the endoscope and accessories from the disinfectant solution.	
15.	Disconnect all equipment from the endoscope.	

Comments:

Rinsing after Manual High-Level Disinfection		Demonstrated
1.	Fill a basin with sterile water, filtered water, or tap water.	
2.	Completely immerse the endoscope and equipment in the water.	
3.	Wipe all external surfaces with a lint-free cloth.	
4.	Attach the channel connection tube to both instrument-channel ports, and the channel plug and injection tube to the endoscope.	
5.	Use a 30ml syringe to inject 90mls of water through the air/water and suction channels.	
6.	Attach the auxiliary water tube (MAJ-855) to the endoscope	
7.	Use a 30ml syringe to inject 90mls of water.	
8.	Remove the endoscope and accessories from the water.	
9.	Cover the distal tip with a lint-free cloth.	

10.	Use a 30ml syringe to inject 90mls of air through the air/water and suction channels.	
11.	Attach the auxiliary water tube (MAJ-855) to the endoscope	
	a. Use a 30ml syringe to inject 90mlsof air.	
12.	Detach the injection tube from the endoscope.	
13.	Connect a sterile suction tube from the suction source to the suction connector on the endoscope.	
14.	Aspirate air for 15 seconds.	
15.	Disconnect all equipment from the endoscope.	
16.	Wipe all external surfaces with a lint-free cloth.	

Comments:

Alcohol Flush		Demonstrated
1.	Attach a reprocessed channel plug, injection tube, channel connection tube, and auxiliary water tube (if applicable) to the endoscope.	
2.	Immerse suction port of injection tube in 70% isopropyl or ethyl alcohol.	
3.	Use a 30ml syringe to inject 90mls of alcohol through both the air/water and suction channels.	
4.	Remove the suction port from the alcohol and cover the distal tip with a lint-free cloth.	
5.	Use a 30ml syringe to inject 90mls of air through both the air/water and suction channels.	
6.	Attach a reprocessed auxiliary water tube (MAJ-855) to the endoscope	
	a. Use a 30ml syringe to inject 90mls of alcohol.	
	b. Use a 30ml syringe to inject 90mls of air.	
7.	Detach the channel plug, injection tube, and auxiliary water tube.	
8.	Connect a sterile suction tube from the suction source to the suction connector on the endoscope.	
9.	Aspirate air for 15 seconds.	

10.	Disconnect all equipment.	
11.	Wipe all external surfaces with a lint-free cloth.	
12.	Dry the inside of the air/water and suction cylinders, and instrument-channel port with sterile cotton swabs.	

Comments:

Endoscope Storage		Demonstrated
1.	Detach all accessories as applicable following manual alcohol flushing of endoscopes.	
	a. Detach all valves.	
	b. Detach the water-resistant cap from the electrical connector (cap may remain attached to endoscope by the chain).	
	c. Uncap the auxiliary water inlet cap.	
2.	Ensure all angulation locks are in the free position.	
3.	Confirm that the surfaces of the endoscope and accessories are dry	
4.	Hang the endoscope so that the universal cord and insertion tube are hanging vertically.	
5.	Store the endoscope in a well-ventilated cabinet, according to National and Professional guidelines.	

Comments:
