
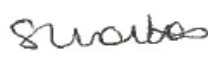




Children's Health Ireland

MANAGEMENT OF FLEXIBLE ENDOSCOPE USED ON A PATIENT WITH KNOWN OR SUSPECTED INJECTION CONTROL ALERT SOP


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Document Change History

Change to Document	Reason for Change
New HSE Standards	To bring in line with new standards
Update to: Definition of Terms, Objective, Responsibility, Guidelines, Appendices	

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1.0 Introduction

The document outlines the procedure to be followed for the management of all flexible endoscopes used on a patient with a known or suspected Infection Control Alert (ICA).

2.0 Definition of Terms

Endoscopes: A medical device consisting of a long, thin, flexible (or rigid) tube, which has a light and video camera. In the department, the following are used:

- Olympus™ Gastroscopes and Colonoscopes
- Pentax™ Gastroscopes and Colonoscopes
- Flexible Bronchoscopes
- Pentax™ Bronchoscopes

Wassenburg Endoscope Washer Disinfector: Endoscope washer disinfector which provides automated high level disinfection and decontamination of flexible endoscopes between patient procedures with complete validation and traceability of all cycles.

Endoscopes and Environmental Screening for Microbiology: List of ICA and action required which is attached to this document (See Appendix 1)

Miscellaneous notes on Infection Control Alerts on Endoscopes not listed on (Appendix 1) are in the Water Sampling Folder that is kept on the water sampling trolley.

3.0 Objective

The purpose of this document is to provide guidelines:


- To successfully decontaminate both the flexible endoscope and the washer / disinfector after they have been exposed to a known or suspected Infection Control Alert.
- To outline the quarantine procedure, *if applicable* for the endoscope and the washer / disinfector until a water sample and / or a swab culture from the endoscope and washer has been analysed in the microbiology laboratory and a negative growth result has been received.

All endoscopes are checked and inspected for functionality and any defects noted during the manual washing and sampling process.

4.0 Responsibility

This guideline affects all nursing staff and healthcare assistants in the Operating Theatre Department and Outpatient Department who work with flexible endoscope and operate the washer / disinfector.

It is the responsibility of each member of staff using the Wassenburg Endoscope Washer Disinfector to adhere to the correct method of management of an endoscope after use on a patient with a known or suspected ICA.


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5.0 Guidelines

It is the responsibility of each member of theatre staff (Nursing, Healthcare Assistants) to leak test and manual clean the endoscope according to this SOP

Bedside:

- Endoscopes are manually cleaned and a set of single-use disposable air / water, suction and biopsy valves ref 100305 are used for all Olympus endoscopes and discarded immediately after use.
- Endoscopes are inspected and checked for defects, damage, functionality and cleanliness throughout the decontamination process and before use on the patient.
- Failure to properly leak test and manually clean and perform high-level disinfection of endoscopic equipment after each examination can compromise patient safety.
- To minimise the risk of transmitting diseases from one patient to another after each procedure, the flexible endoscope must undergo thorough manual cleaning immediately after use followed by high-level disinfection. Flexible endoscopes must be cleaned thoroughly before disinfection to remove microorganisms or organic material that could reduce the efficacy of disinfection.
- If the flexible endoscope is not cleaned meticulously, effective disinfection will not be possible.
- Flexible endoscope must be rinsed internally (with octopus rinsing device, Olympus endoscopes only) and externally after manual cleaning and before being placed in the automated washer disinfector. Rinse water must be visibly clean. If not, repeat manual wash.
- It is estimated that a minimum timeframe of 30 minutes is required to manually decontaminate and leak test a flexible multi-channelled flexible endoscope safely, prior to automated disinfection. This time includes; key processes such as donning Personal Protective Equipment (PPE), preparation of solution for cleaning, scope tracking, scope examination, connection of the endoscope to the Endoscope Washer Disinfector (EWD) etc. (Appendix 1). EWD (Olympus) takes approximately 25 minutes. It is estimated that the time taken to remove the endoscope from the EQD, visually inspect cycle parameters, perform scope tracking procedures and prepare the scope for transport (back to the user or storage) requires a further 5 minutes.

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6.0 Procedure

- Place patient addressograph into manual cleaning record book in decontamination room. Record scope barcode on the addressograph and tick relevant boxes regarding bedside wipe, flush and **Infection Control alert**.
- At bedside post procedure, the endoscope is wiped and flushed by the user as per relevant SOP "*Leak Testing & Manual Wash of Olympus / Pentax / Flexible Bronchoscope*".
- Discard disposable single use items in yellow clinical waste bag and / or sharps bin if applicable.
- Send reusable accessories with contamination alert sticker immediately to HSSD
- Consult document "Endoscope and Environmental Screening for Microbiology" (See Appendix 1). Miscellaneous notes on Infection Control Alerts on Endoscopes not listed on the below document (Appendix 1) are in the Water Sampling Folder that is kept on the water sampling trolley.
- Manually leak test and wash flexible endoscope immediately as per policy SOP "Leak Testing and Manual Cleaning" of endoscope.
- Load into automated washer disinfector immediately, **select intensive wash** along with sink stopper **unless** in the middle of an Endoscopy list, when the Endoscope can be put into a quarantine box; labelled and processed at the end of the list
- After decontamination; take water sample/s and dry swab if indicated on this document (See Appendix 1) as per policy "*Taking Water Samples from an Endoscope*"
- Send samples to the Microbiology Department if within working hours or theatre fridge for collection the following day. Put contamination alert and indicate Infection Control Alert on request form
- Place endoscope in quarantine box lined with clean-a-scope liners with red cover in sluice room 6 (clean quarantine boxes available in prep room 6)
- Document endoscope bar code number and infection control alert details on quarantine list on washroom 6's notice board. Record details of water sampling & swab sampling in the Endoscopy Water Sampling Record Book and in the Theatre Sampling Record Folder.
- A verbal result of negative growth of organism from microbiology is sufficient to take the scope from quarantine. Result available 3 to 5 working days approximately after sampling
- Leave **all** connectors used in the decontamination cycle in the washer bath
- Carry out thermal self-disinfect cycle, then take water sample for culture from bath used, if indicated on environmental screening and miscellaneous alerts documents (See Appendix 1).
- Wash sink used for manual wash with brial detergent and actichlor.

7.0 References

HSE Standards & Recommended Practices for Operational Management of Endoscope Decontamination Facilities 2019
<http://olchnet.hse.ie/Policies,Guidelines>, Protocols SOP's/Infection Control Manual A-Z/CRE Guidelines 2012.pdf
<http://olchnet.hse.ie/Policies,Guidelines>, Protocols SOP's/Infection Control Manual A-Z/Cleaning & Disinfection Guidelines 2019.pdf
 Wassenburg Endoscope Washer Disinfector User Manual 2015

8.0 Appendices

Appendix 1



Operating Theatre Department

Endoscope & Environment Screening for Microbiology

SOURCE	SCOPE			WASHER DISINFECTOR		ENVIRONMENT	
Microbe	Water Sampling	Dry Swabbing of Scope <i>*Culture Medium</i> Swabs x 1 (using 3 swab sticks)	Quarantine	Thermal Disinfection	Water Sampling	Swabbing	Culture Medium Broth
<u>ESBL</u>	YES	YES Orange stripe, small bottle	No N.B. Note: Leave note attached; can be used before Microbiology results are known. Inform Consultant re same.	YES	No	No	-
<u>C. Diff</u>	YES	YES Orange stripe, small bottle	YES		No	No	-
<u>VRE</u>	YES	YES Purple stripe, large bottle	-Store scope into box in Disposal Room 6 -Log details into Scope Quarantine Record in Washroom 6		YES	YES	YES Purple stripe, large bottle
<u>CRE Contact & CRE Positive</u>	YES	YES Orange stripe, small bottle			YES	YES	YES CRE Positive Orange stripe, small bottle
<u>CEPACIA</u>	YES	YES Orange stripe, small bottle			YES	No	-
*All other organisms ONLY on specific request from IPCT							
Please use appropriate broth / form			Send specimen promptly		Document specimen in logbook		
Miscellaneous notes for Infection Control Alerts on Endoscopes not listed on this list are in the Water Sample Folder							

Dr Niamh O'Sullivan, Consultant Microbiologist _____

Date: __ / __ / 2020

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