
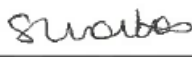





DISINFECTING FLEXIBLE ENDOSCOPES USING THE WASSENBURG ENDOSCOPE WASHER / DISINFECTOR	
Version Number	4
Date of Issue	January 2020
Reference Number	DEUWEWD-01-2020-MS-NC-V4
Review Interval	3 yearly
Approved By Name: Seamus Hussey Title: Chairperson Endoscopy Committee	Signature:  Date: 30/1/2020
Authorised By Name: Sandra Morton Title: Clinical Nurse Manager III	Signature:  Date: 14/2/2020
Author/s	Mary Scully, Clinical Nurse Manager II Niamh Clohessy, Theatre Quality Improvement Facilitator
Location of Copies	Hospital Intranet


Document Review History		
Review Date	Reviewed By	Signature

Document Change History	
Change to Document	Reason for Change
New HSE Standards	To bring in line with new standards
Update to: Purpose, Guidelines, Procedure, References	

Children's Health Ireland at Crumlin		 Children's Health Ireland
Document Name: Disinfecting Flexible Endoscopes Using the Wassenburg Endoscope Washer / Disinfector		
Reference Number: DEUWEWD-01-2020-MS-NC-V4	Version Number: V4	
Date of Issue: January 2020	Page 2 of 4	

CONTENTS

		Page Number
1.0	Purpose	3
2.0	Definition of Terms	3
3.0	Responsibility	3
4.0	Guidelines	3
5.0	Procedure	3-4
6.0	References	4

Children's Health Ireland at Crumlin		 Children's Health Ireland
Document Name: Disinfecting Flexible Endoscopes Using the Wassenburg Endoscope Washer / Disinfectant		
Reference Number: DEUWEWD-01-2020-MS-NC-V4	Version Number: V4	
Date of Issue: January 2020	Page 3 of 4	

1.0 Purpose

“Endoscopes and their accessories are classified as medical devices under the Medical Devices Regulation (MDR). Flexible Endoscope and their accessories present particular problems in terms of cleaning, disinfection and sterilisation. Failure to adequately decontaminate flexible Endoscopes between use may increase the risk of transmission of infection between service users and / or compromise the quality of clinical samples”.

The objective of this SOP is to provide guidelines in relation to disinfection of contaminated flexible Endoscopes. “Cleaning is the initial and most crucial step in breaking the chain of disease transmission”.

To outline the correct method of endoscope disinfection using the Wassenburg Endoscopes Washer Disinfectant.

2.0 Definition of Terms

High Level Disinfection: Reduction of the number of viable micro-organisms on a device to a level appropriate for safe use on a patient where sterilisation of the device is not possible. High level disinfection should be carried out immediately after leak testing and manual cleaning and immediately prior to use.

Endoscopes: Olympus and Pentax Gastroscopes and Colonoscopes, Gastroscopes, Colonoscopes Bronchoscopy Flexible Bronchoscopes.

Wassenburg Endoscopes Washer Disinfectant: Automated endoscope reprocessing machine used for all endoscope disinfection following manual pre-cleaning.

3.0 Responsibility


It is the responsibility of each member of trained staff caring for flexible endoscope to adhere to this procedure to decontaminate flexible endoscope.

4.0 Guidelines

- All flexible endoscopes **must** be disinfected in the Wassenburg Endoscope Washer Disinfectant (EWD) **prior** to use and after leak testing and manual cleaning post procedure.
- All endoscopes must be exposed to a full decontamination cycle and used within 3 hours post disinfection time unless they have been vacuum packed (see SOP “*Processing Endoscopes into Surestore Vacuum Packing Validation and Storage System*”) or stored in the endoscopy extended storage cabinet (see SOP “*Loading and Unloading Endoscopes from Extended Storage Cabinet*”).

5.0 Procedure

- Apply PPE
- Post leak testing and manually washing of the endoscope (refer to SOP “*Leak test & Manual Cleaning of Gastroscope & Colonoscope Post Procedure*”), load the endoscope into “dirty” side of washer / disinfectant. Remove used gloves. Wash hands and select “Program Choice” on screen. Select left or right bath as appropriate, if requested to do so.

Children's Health Ireland at Crumlin		 Children's Health Ireland
Document Name: Disinfecting Flexible Endoscopes Using the Wassenburg Endoscope Washer / Disinfector		
Reference Number: DEUWEWD-01-2020-MS-NC-V4	Version Number: V4	
Date of Issue: January 2020	Page 4 of 4	

- Select “Normal Program” unless endoscope was used on a patient with an Infection Control Alert, in which case select “Intensive Program”.
- Scan in your unique user code with barcode gun provided
- Scan in endoscope code. Check that endoscope barcode and serial number match those of the endoscope.
- Scan in correct patient’s Health Care Record (HCR) addressograph from manual wash record book or if scope was not used on a patient, select “manual”, then “enter”.
- Don gloves, connect flexible endoscope via specific colour coded labelled connectors (connectors are hanging in the press beside the washer, **ensure gloves are clean when handling connectors from this press**) as indicated on the screen (blacked out boxes show where connectors should be attached).
- Ensure that connectors are lying as flat as possible against scope so that they will not become tangled in washer rotor arm.
- Select “OK”
- Close lid completely by pressing both buttons on both sides of washer / disinfector
- Select “direct start”
- When cycle is completed, press screen on “**clean**” side of washer to illuminate it
- Press “function”, barcode your unique user code with gun provided
- Printout will be generated, open door fully by pressing foot pedal on appropriate side
- Check barcode of endoscope corresponds to barcode on traceability printout. Sign printout (x 2 signatures)
- Endoscope is inspected to ensure there are no indentations, marks, protruding wire and that the insertion tube is pliable and the distal tip is intact.
- Place the endoscope into the endoscope box lined with sterile clean-a-scope liner and cover with green cover if required for a procedure. Attach traceability printout to the green cover (flexible endoscopes to be used within 3 hours post disinfection). Dry the **proximal** end of the endoscope with lint free gauze to ensure endoscope is dry before being attached to the processor.
- If the endoscope is not required, hang this in the storage cupboard with the endoscope traceability printout
- Or load bronchoscope into the extended storage cabinet (bronchoscopes only), see SOP Loading & Unloading ...
- Or process endoscope into the Surestore vacuum storage system.
- If infection control alert, the endoscope will be water sampled / or swabbed if required and quarantined.
- Remove connectors and hang in the connectors press
- Select “Close Lid” on the screen, a black bar will appear under the “Close Lid” box and close down lid by pressing both buttons on both sides of washer / disinfector.

6.0 References:

HSE Standards and Recommended Practices for Operational Management of Endoscopes Decontamination Facilities 2019.

Wassenburg Endoscope Washer Disinfector Manual 2013

HSE Standards and Recommended Practices for Endoscope Reprocessing Units Part 4, version 2.2 2012

Copyright and Disclaimer @2019. Children’s health Ireland at Crumlin. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior written permission of the copyright holder. Every effort has been made to ensure that the information provided is accurate and in accord with standards accepted at the time of printing.