

# Unit 46: Principles and Practice of Flexible Endoscope Decontamination

<b>Level:</b>	<b>4</b>
<b>Unit type:</b>	<b>Optional (Decontamination Science)</b>
<b>Credit value:</b>	<b>6</b>
<b>Guided learning hours:</b>	<b>50</b>

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## Unit summary

In this unit, you will gain a broad knowledge of the processing systems for flexible endoscopes and the information management system, as well as the skills to ensure the information is accurate. This knowledge will be extended and applied to specific processing methods. You will be expected to build your professional practice and practise safely in the workplace.

## Unit assessment requirements

There are no specific assessment requirements for this unit. Please refer to the assessment strategy in *Annexe B*.

## Additional information

All procedures must be undertaken in accordance with Standard Operating Procedures and the requirements of own area of work.

Learning outcome 1 includes:

- collection of contaminated flexible endoscopes from the user
- in the contaminated area (wash area)
- in the clean area
- loading and unloading storage systems.

AC2.4 includes:

- sterile
- high-level disinfection.

AC3.1 includes:

- requirements of Hospital Building Notes (HBN) and national guidance:
  - Health Technical Memorandum (HTM)
  - Welsh Health Technical Memorandum (WHTM)
  - Scottish Health Technical Memorandum (SHTM)
  - Northern Ireland Health Technical Memorandum (NIHTM).

AC4.8 includes:

- checks to be made to ensure the equipment is ready to operate.

AC6.1 includes:

- vacuum systems
- drying systems
- chemical systems.

## Learning outcomes and assessment criteria

To pass this unit, learners need to demonstrate that they can meet all the learning outcomes for the unit. The assessment criteria outline the requirements that the learner is expected to meet **in own area of work and in accordance with Standard Operating Procedures (SOPs)** to achieve the learning outcomes and the unit.

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
1	Understand the principles and practice of wearing Personal Protective Equipment (PPE) in each area of the endoscopy unit	1.1	Describe the personal protective equipment to be worn whilst working in the endoscopy unit			
		1.2	Explain the reason the PPE is worn and what it protects			
		1.3	Evaluate the standard operating procedures for PPE for both entering and exiting the endoscopy unit			
2	Understand the principal design and components of a flexible endoscope	2.1	Explain the main components of flexible endoscopes and how to identify potential failure			
		2.2	Describe the accessories that would be used with the flexible endoscope			
		2.3	Describe the reusable and disposable components of a flexible endoscope			
		2.4	Describe the level of decontamination that should be attained in relation to the endoscope			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
3	Understand the principles and practice of processing a flexible endoscope using a validated automated cleaning process	3.1	Evaluate the standard operating procedures for processing of all flexible endoscopes by the automated cleaning process method			
		3.2	Describe the stages of a processing cycle and identify all critical parameters at each stage			
		3.3	Explain the methods used by processing equipment to identify when an endoscope is not fit for use			
		3.4	Identify the checks that are carried out on a flexible endoscope to ensure it is fit for purpose			
		3.5	Describe the limitations of the processing equipment to achieve a fit for use flexible endoscope			
		3.6	Explain the purpose of the leak test for flexible endoscopes			
		3.7	Explain the reason a manual wash is carried out on a flexible endoscope			
		3.8	Describe the process should a flexible endoscope be identified as having a fault and the action to be taken to remedy the fault			
		3.9	Explain the process of returning flexible endoscopes for repair			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
		3.10	Describe the role of the independent monitoring system and how it is used to perform product release			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
4	Be able to perform the receipt, leak test, manual cleaning, and preparation for the automated process	4.1	Demonstrate the collection and receipting of a flexible endoscope			
		4.2	Demonstrate the leak test process			
		4.3	Demonstrate a manual wash and rinse of the flexible endoscope			
		4.4	Explain the actions required if at any stage of the receipt, leak test, and manual wash stages, the endoscope is identified as having a fault			
		4.5	Perform the recording into the departmental information system of all data relating to process of the endoscope			
		4.6	Raise any non-conformance onto the departmental information system			
		4.7	Perform the process to load the flexible endoscope into the processing equipment			
		4.8	Demonstrate operation of the processing equipment to clean the flexible endoscope			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
5	Be able to perform the product release from the endoscope washer/disinfector	5.1	Evaluate the standard operating procedures for processing of all flexible endoscopes by the automated cleaning process method			
		5.2	Perform the process of reviewing the critical parameters of the processing cycle of both the equipment and independent monitoring system			
		5.3	Enter the data into the departmental information system			
		5.4	Explain the process when a flexible endoscope fails during processing and take remedial action			
		5.5	Describe the appropriate actions when the processing equipment fails			
		5.6	Ensure all documentation is completed and retained with the flexible endoscope before proceeding to the next process			
		5.7	Perform the product release process when the flexible endoscope is released direct to the service user			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
6	Be able to prepare the flexible endoscope so it can be held in an endoscopy storage system	6.1	Perform the process for storing the flexible endoscope in the various storage systems, selecting the correct storage system and being aware of each system's limitations			
		6.2	Enter the data into the departmental information system			
		6.3	Raise any non-conformance onto the departmental information system			
		6.4	Ensure all the documentation is completed			
7	Be able to perform produce release from endoscopy storage systems to the service user	7.1	Evaluate the standard operating procedures for processing of all flexible endoscopes by the endoscopy storage system			
		7.2	Review the critical parameters of the processing cycle of both the equipment and independent monitoring system			
		7.3	Enter the data into the departmental information system			
		7.4	Perform the product release process if the flexible endoscope is released direct to the service user			
		7.5	Perform the process if a flexible endoscope fails during processing and take remedial action			



Learner name: \_\_\_\_\_

Date: \_\_\_\_\_

Learner signature: \_\_\_\_\_

Date: \_\_\_\_\_

Assessor signature: \_\_\_\_\_

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Internal verifier signature: \_\_\_\_\_

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*(if sampled)*