




## LEAK TEST AND MANUAL CLEANING OF NASOSCOPE POST PROCEDURE


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<b>Approved By</b> Name: Seamus Hussey Title: Chairperson Endoscopy Committee	Signature <span style="float: right;">Date: September 2017</span> 
Name: Ann Marie McGuinness Title: Clinical Nurse Manager III	Signature <span style="float: right;">Date: September 2017</span> 
<b>Authorised By</b> Name: Rachel Kenna Title: Director of Nursing	Signature <span style="float: right;">Date: September 2017</span> 
<b>Author/s</b>	Name: Paula Murray Title: Clinical Nurse Manager II
<b>Location of Copies</b>	1. OT - Endoscopy Folder 2. Hospital Intranet 3. OPD Endoscopy Folder

### Document Review History

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### Document Change History

Change to Document	Reason for Change
Change in the title name to "Nasoscope".	To more accurately reflect the scopes in use.
5.0: Last bullet point added to reflect the storage container cleaning.	To reflect the cleaning process.

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## 1.0 Purpose

To outline the procedure for leak testing and manually cleaning of Wolf™ Bronchoscope post procedure

## 2.0 Definition of Terms

*Endoscopes:* Flexible Bronchoscopes, gastroscopes, colonoscopes.

*Cleaning:* A process using friction, detergent and water to remove soil, including organic debris.


*High-level disinfection:* A process that destroys all micro-organisms with the exception of high numbers of bacterial spores. High-level disinfectants have the capability of inactivating the hepatitis B virus, HIV and Mycobacterium tuberculosis.

## 3.0 Responsibility

It is the responsibility of each nurse using the endoscopes to follow the correct procedure for cleaning an endoscope following use.

## 4.0 Guideline

- The used scope is transported to the endoscopy washroom in a transport container i.e. rigid box.
- Endoscopes are leak tested and manually cleaned immediately after use.
- Failure to properly 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 examination, the endoscope must undergo thorough manual cleaning immediately after use followed by high-level disinfection.
- If the endoscope is not cleaned meticulously, effective disinfection may not be possible. The endoscope must be cleaned thoroughly before disinfection to remove microorganisms or organic material that could reduce the efficacy of disinfection.
- The endoscope itself must be rinsed after manual cleaning and before being placed in the automated washer disinfectant. Rinse water must be visibly clean. If not, repeat manual wash.
- If the scope is used on a patient with an I.C. alert, dry swab sample from the external surface of the scope must be taken after decontamination. Scope is then set aside or quarantined until results return from the Microbiology lab.

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## 5.0 Procedure

- Personal protective equipment must be worn as outlined in policy “Attire to be worn when cleaning endoscopes.
- Take endoscope to the washer room in the lined storage box in a trolley.
- Perform dry leak test i.e. attach Wolf leak tester, inflate gauge indicator to green zone , check for any leaks ( continuous bubbles ) observe instrument while angulating tip. Check scope for functionality and for any defects or damage.
- Fill sink with 4 litres of water (don't immerse leak tester hand piece) observe instrument while angulating tip. A few bubbles may occur, this is normal but if there is a continuous stream of bubbles from same spot, this indicates a leak. Remove immediately from water, release pressure from tester, remove tester, externally wipe down endoscope with detergent solution, and send to Clinical Engineering.
- If there is no leak , release pressure on leak tester gauge , N.B. detach it from scope out of the water to prevent water leakage into scope
- Proceed to cleaning by adding 2 plunges of Wassenburg Cleaner (20mls) to 4 litres of water already in sink ( for scope used on patient with I.C. alert use 40mls ( 4 plunges )
- Use detergent soaked J cloth to clean all external parts. Do not use excessive force. Do not squeeze or bend endoscope.
- Empty sink, rinse endoscope in second sink (marked as clean sink) in clean water.
- Load into washer / disinfectant as per policy “ Loading endoscope into Wassenburg Washer /Disinfectant “
- Place patient addressograph into manual cleaning record book. Record scope barcode on the addressograph, tick and sign relevant sections of manually cleaning record.
- The transport container is cleaned.This cleaning process involves manually washing the rigid storage box with warm water and Brial detergent. Then left to air dry. Once the storage box is dry, wipe with alcohol.

## 6.0 References

HSE Standards and Recommendations for Endoscope Reprocessing 2012 - Version 2.2

Wolf Instructions for Use of Flexible Fiberscopes Manual

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