



**Reprocessing High Risk Specialty
Scopes
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No relevant financial relationships with ineligible companies for those with the ability to control content of this activity exist.



Objectives

- **List the steps to cleaning and processing high risk scopes**
- **List the different types of high risk scopes**
- **List the steps needed to assure scopes are patient ready**
- *** culturing**

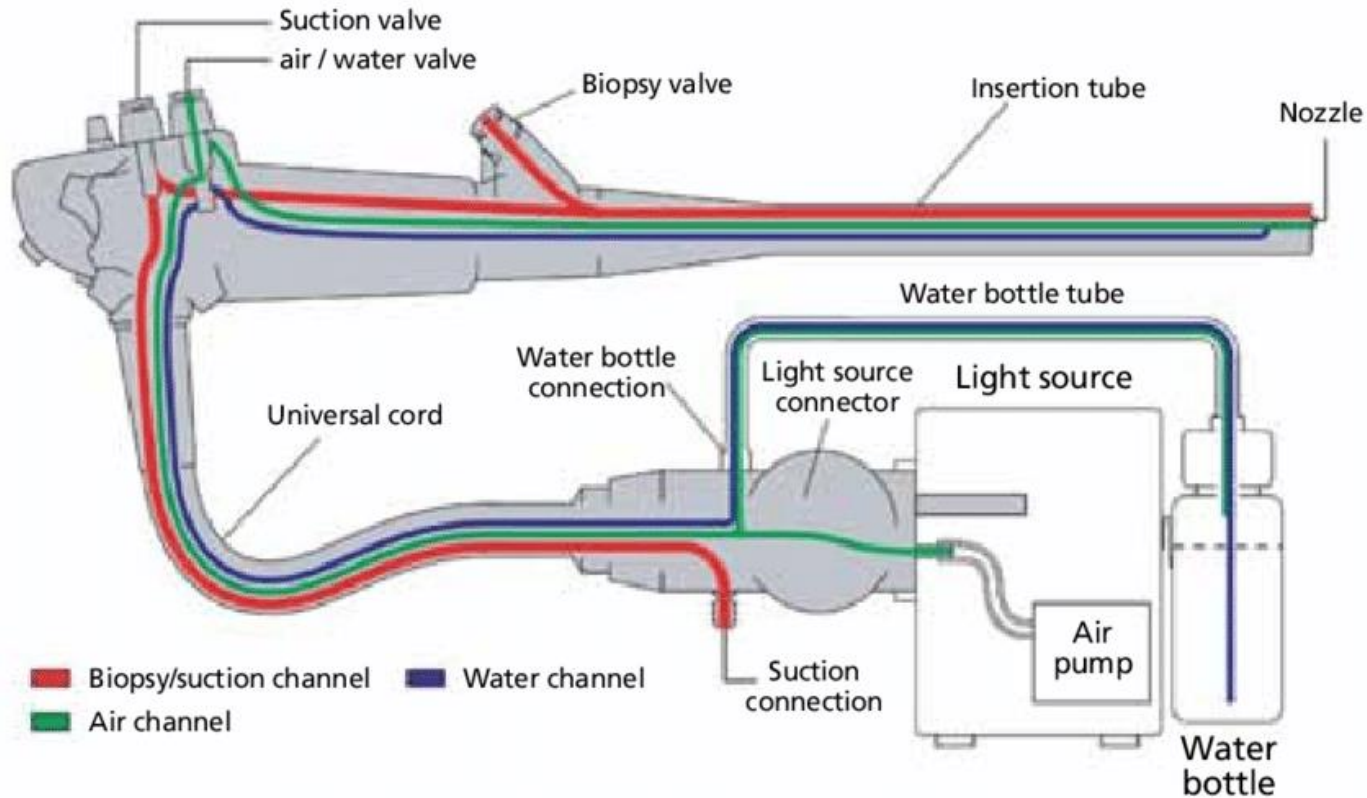


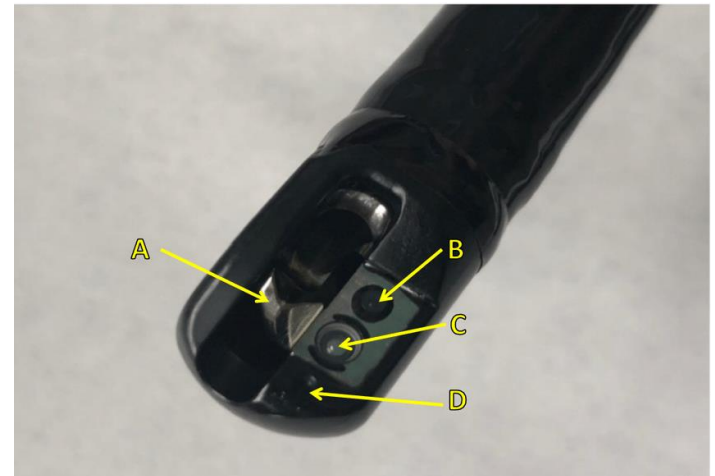
7 Steps in Reprocessing Endoscopes

- **Pre-cleaning (point of use treatment)**
 - Depends on the type of scopes
- **Leak test**
- **Manual Cleaning**
- **Inspection**
 - Cleaning verification
- **High level disinfection**
- **Drying**
- **Storage**



Anatomy of Endoscope







Disposable EUS Buttons



High Risk Scopes

- Duodenoscopes
- Bronchoscopes
- Ureteroscopes
- Cystoscopes
- Endobronchial ultrasound (EBUS) endoscopes
- Linear ultrasound (EUS) endoscopes



THE BOTTOM LINE

THERE ARE FOUR KEY TAKEAWAYS FROM THIS PILOT PROJECT:

1. Reprocessing one flexible endoscope requires approximately 76 minutes of hands-on staff time.
2. The cost of reprocessing one endoscope ranges from \$114.07 to \$280.71.
3. These findings likely underestimate the time and cost associated with endoscope reprocessing.
4. More research is needed to determine the true cost of endoscope reprocessing.

Reprocessing step	Minimum cost	Maximum cost
PPE for reprocessing personnel	\$5.06	\$17.78
Bedside pre-cleaning	\$4.45	\$19.14
Leak testing	\$2.27	\$5.28
Manual cleaning	\$11.12	\$37.11
Visual inspection, cleaning verification, and re-cleaning 20% of endoscopes	\$14.62	\$49.69
HLD in an AER	\$10.74	\$17.21
Drying and storage	\$1.88	\$6.45
Repairs needed due to issues identified by reprocessing technicians	\$63.93	\$128.05
Total	\$114.07	\$280.71

KEY FINDINGS

Reports from individuals in the field revealed substantial variation in:

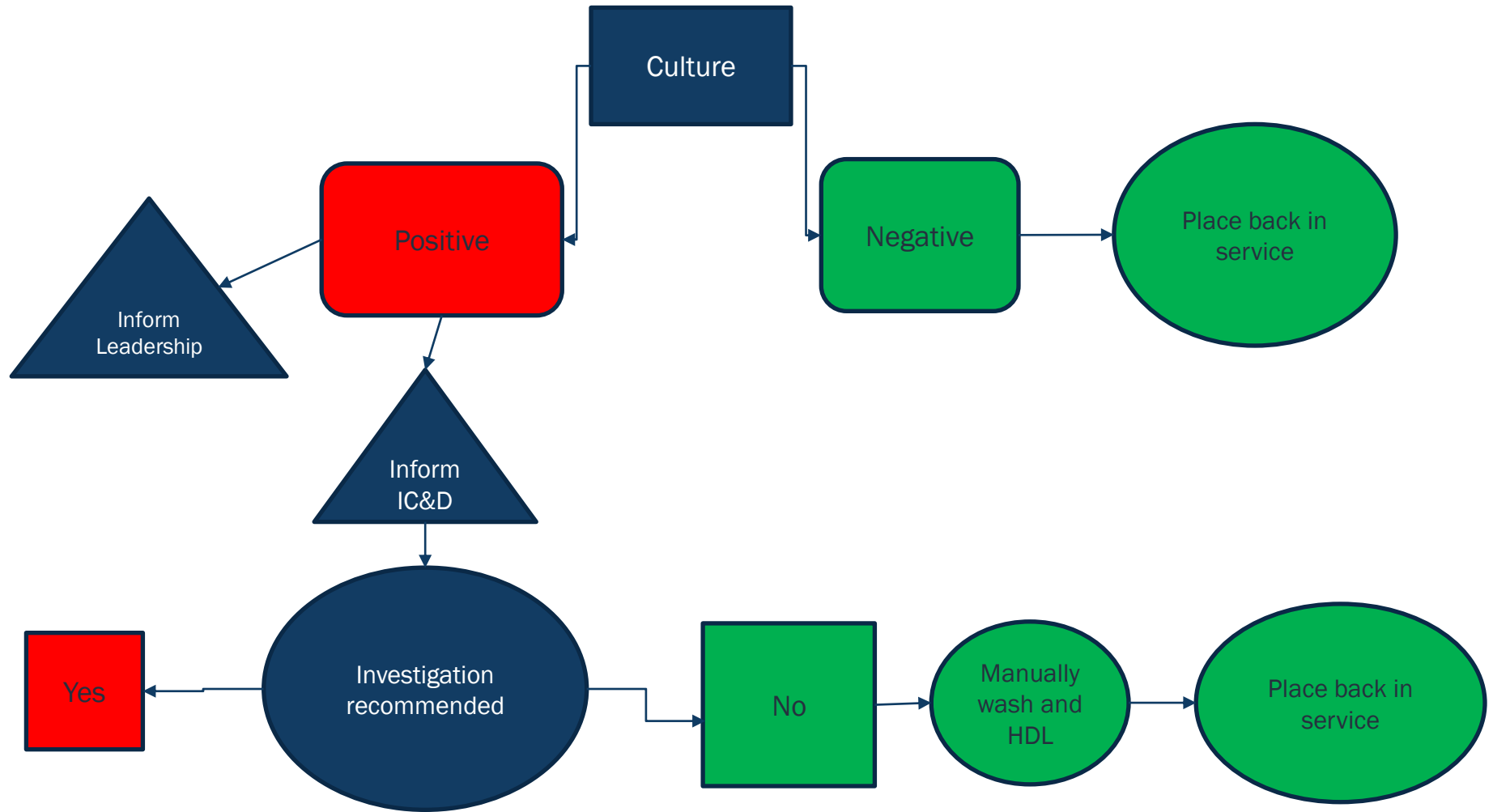
- How endoscope reprocessing is performed
- Time spent to complete reprocessing tasks
- Wages paid to reprocessing personnel
- Types of reprocessing materials used
- Cost of reprocessing materials used

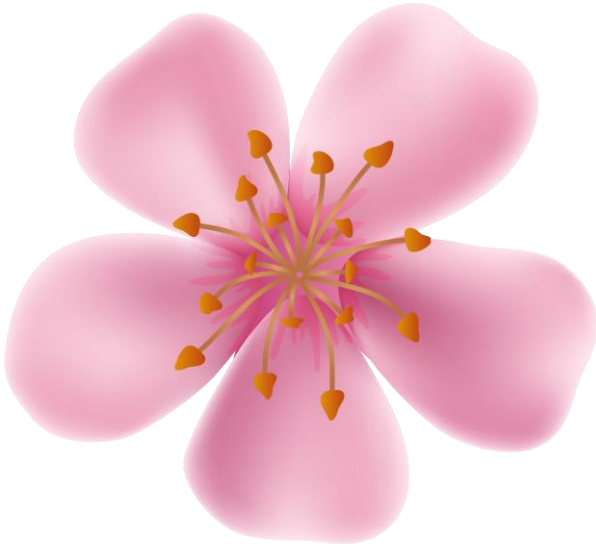
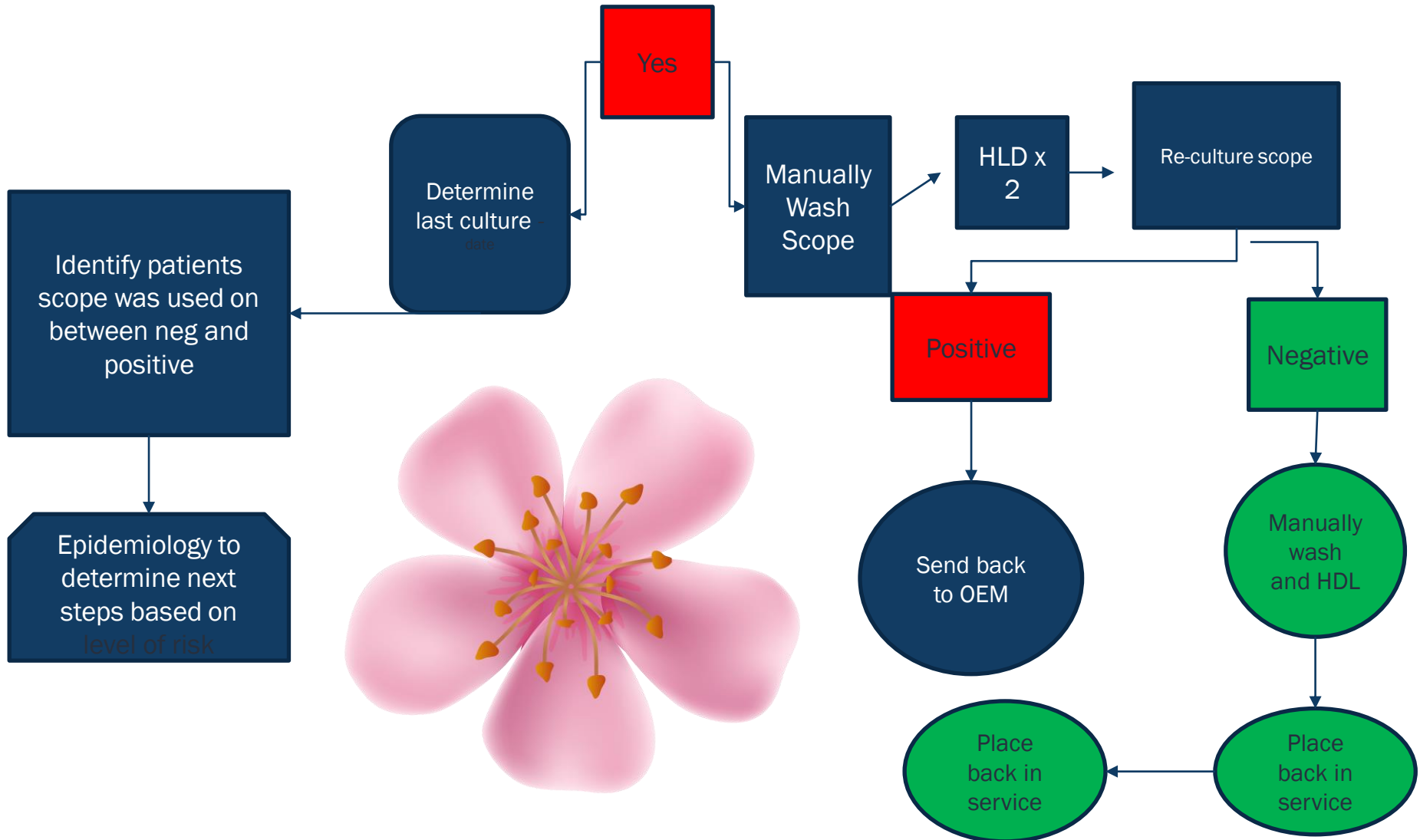


Facility Specific Culturing Programs

	Frequency	Return from repair	After highrisk patient
UVA	Quarterly	yes	yes
DUKE			
Atrium			
UNC			
WakeMed			







Patient Ready Scope

- Proper cleaning procedures were completed
- High Level Disinfection was performed
- No visible damage
- Proper storage
- Expiration date not exceeded
- Ability to track the scope to previous patient



Summary

- High risk scopes can be life saving instruments
- High risk scopes require additional considerations
- Facilities should have standard work established for these scopes
- Patient tracking is essential



Questions

