

Reduced After-Hours Manpower Burden and Enhance Staff Well-being in Endoscope Reprocessing

What is Stupid? Why is it Stupid?

Endoscopy on-call staff were required to remain after hours to complete endoscope reprocessing.

Prolonged after-hours work contributed to staff fatigue, burnout, and reduced job satisfaction.

Operating Theatre (OT) staff had to prioritise urgent endoscope reprocessing during non-working hours, impacting routine clinical operations and potentially affecting patient safety.

These inefficiencies led to increased manpower costs and reduced operational sustainability.

What was Implemented?

Use of INTERCEPT Foam spray for after-hours Gastroscope and Colonoscope reprocessing eliminated Steps 1 and 3-9 in earlier workflow, thereby reducing time spent and manpower burden.

Before		Now
<ol style="list-style-type: none"> 1. Set up before procedure - 10 minutes 2. Pre-cleaning at bedside after use - 5 minutes 3. Leak testing - 5 minutes 4. Inspection - 2 minutes 5. Channel brushing - 10 minutes 6. Flushing and rinsing - 3 minutes 7. Automated High level disinfection - 45 minutes 8. Storage - 5 minutes 9. Clear up - 10 minutes <p>Total estimated - 90 mins</p>		<ol style="list-style-type: none"> 1. Pre-cleaning at bedside after use - 5 minutes 2. Spray Intercept Foam over Endoscopy – 10 mins <p>Total estimated – 15 mins</p> <p>Safety validation through culture testing of sprayed endoscopes confirmed safe usage, with findings published in Clinical Endoscopy journal (Nov 2024).</p> <p><small>INTERCEPT™ Foam Spray (IFS) (Cantel Ltd, USA)</small></p>

Impact

- Time saved previously spent on after-hours scope reprocessing : ~152 hours annually (from **90 mins** to **15 mins** per scope x 67 scopes between Aug'24 – Dec' 25)
- Net cost savings: \$7,066 (= **\$8,540 manpower cost** – **\$1,474 Intercept Foam spray cost**)
- Staff satisfaction improved from 75% to 95% due to lowered risk of errors, physical and mental fatigue associated with late-night reprocessing tasks

#999 NTFGH Endoscopy

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- Time saved on after-hours scope reprocessing: ~152 hours annually from Aug'24 – Dec' 25
- Net cost savings: \$7,066 from Aug'24 – Dec'25



INTERCEPT™ Foam Spray (IFS)
(Cantel Ltd, USA)



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