



# Innovate to improve the handling and cleaning of non-lumen Nasoendoscope in ENT Centre

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## Introduction

ENT clinic adopted Tristel Trio wipes system for decontamination of ENT non-lumen nasoendoscope in ENT consultation rooms. This is a radical change in disinfection process. The room assistants have feedback it is challenging to manage the used nasoendoscope in one hand while using another hand to use the Tristel wipes to clean at the same time.



## What are the issues / challenges

- There is no designated place to put the used nasoendoscope, room assistant need to take over the nasoendoscope from the doctor and disinfect it immediately after use.
- Staffs tend to move around with used nasoendoscope in hand, which may cause contamination of the surroundings.
- There is a potential risk of dropping the nasoendoscope.

## Mission statement

To have a designated place with scope holder for reprocessing of used nasoendoscope to minimize contamination.

## Methodology

The project team brainstormed improvement measures and decided that they will have to modify the stainless steel procedure trolley used in consultation room to incorporate new features to eliminate current problems.

- As part of the design process, the team worked on the exact technical specifications they envisioned for the scope holder.
- This was done through a process of examining various flexible nasoendoscope and rigid telescopes currently in use and selecting on where each type of scope should be placed.
- The diameters of scopes were measured to ensure that all scopes can fit well onto the holders
- Reviewed staff feedback & infection control guidelines



Before



After

## Results

The vendor created a extension on top of the procedure trolley with 5 holders based on the design specifications stipulated.

This project was successfully implemented with the following results achieved.

### ELIMINATE contamination of surrounding

- A designated & contained space for reprocessing of nasoendoscope

### ENHANCE staff's and patient's safety

- Put nasoendoscope into holder immediately after use
- Change gloves and hand hygiene in between wipes

### IMPROVE staff's satisfaction

- Secured holders provide staffs their peace of mind
- Staff do not need to worry dropping of nasoendoscope during reprocessing



## Conclusion

It is important to collaborate with the expertise and users from different departments for a common goal. The design of appropriate equipment will not only improve job satisfaction but also enhance patient's and staff's safety.