



Singapore Healthcare Management 2024

One Pack Is All You Need!

Tan Hui Ling¹, Sam Mei Poh, Hamalatha Vishnu, Soh Ling Ling
Singapore National Eye Centre



Introduction

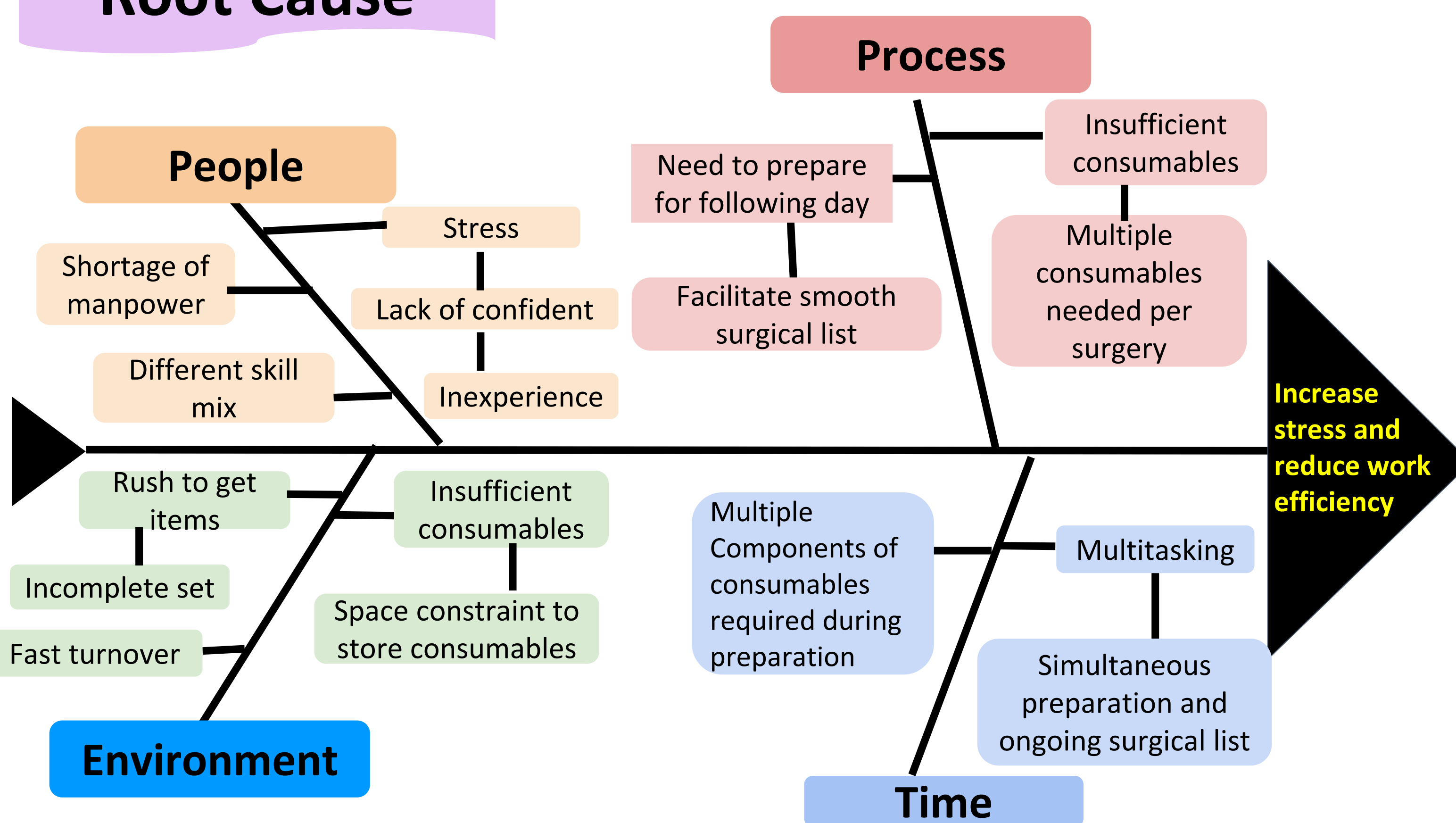
At the Singapore National Eye Centre (SNEC), where there is an average of 72 cases handled daily across 10 operating theatres (OT), 80% of these cases are intraocular surgeries. Staffs in SNEC are responsible for tracking, restocking, and preparing basic consumables for all cases. A standard pre-preparation of the basic intraocular consumables included: syringes, needles, gauze, tegaderm, and an eye shield. Staff need to pre-prepare these consumables for all individual cases for the subsequent day, while concurrently supporting an ongoing surgical list. **This level of multitasking can lead to increased staff stress and reduce efficiency in patient care.**

Aim

Optimizing the preparation of standardized sterile consumables for intraocular cases to **enhance efficiency and reduce manpower strain** amid high surgical volumes and fast turnover.

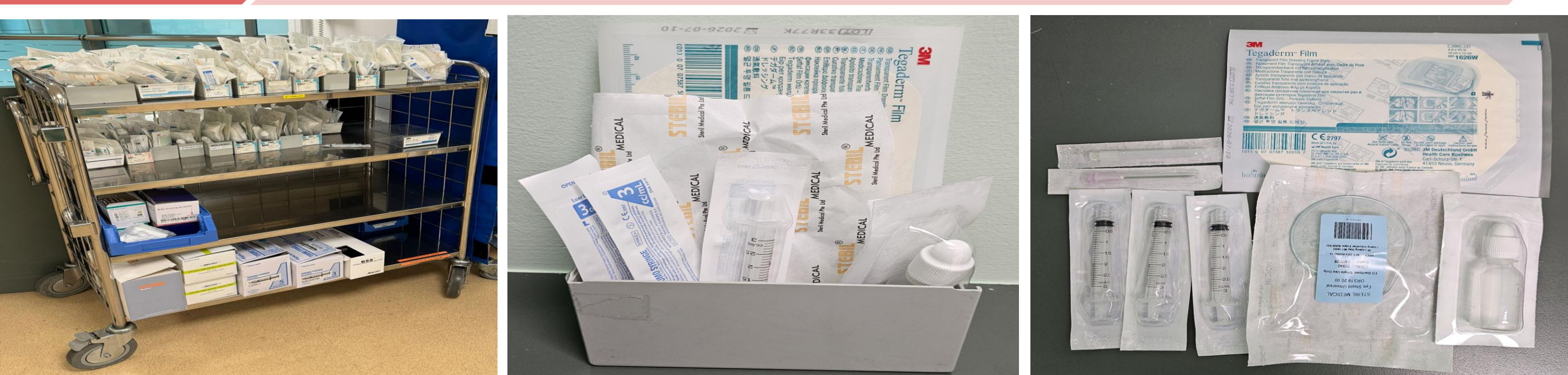
Methodology

Root Cause



PDSA 1

Assigning a dedicated team of nurses not designated to an OT to prepare basic consumables for intraocular cases on a central trolley to prevent surgical teams with ongoing lists to multitask. However, this was still labor intensive.



Non-Pre-packed consumable Drape



PDSA 2

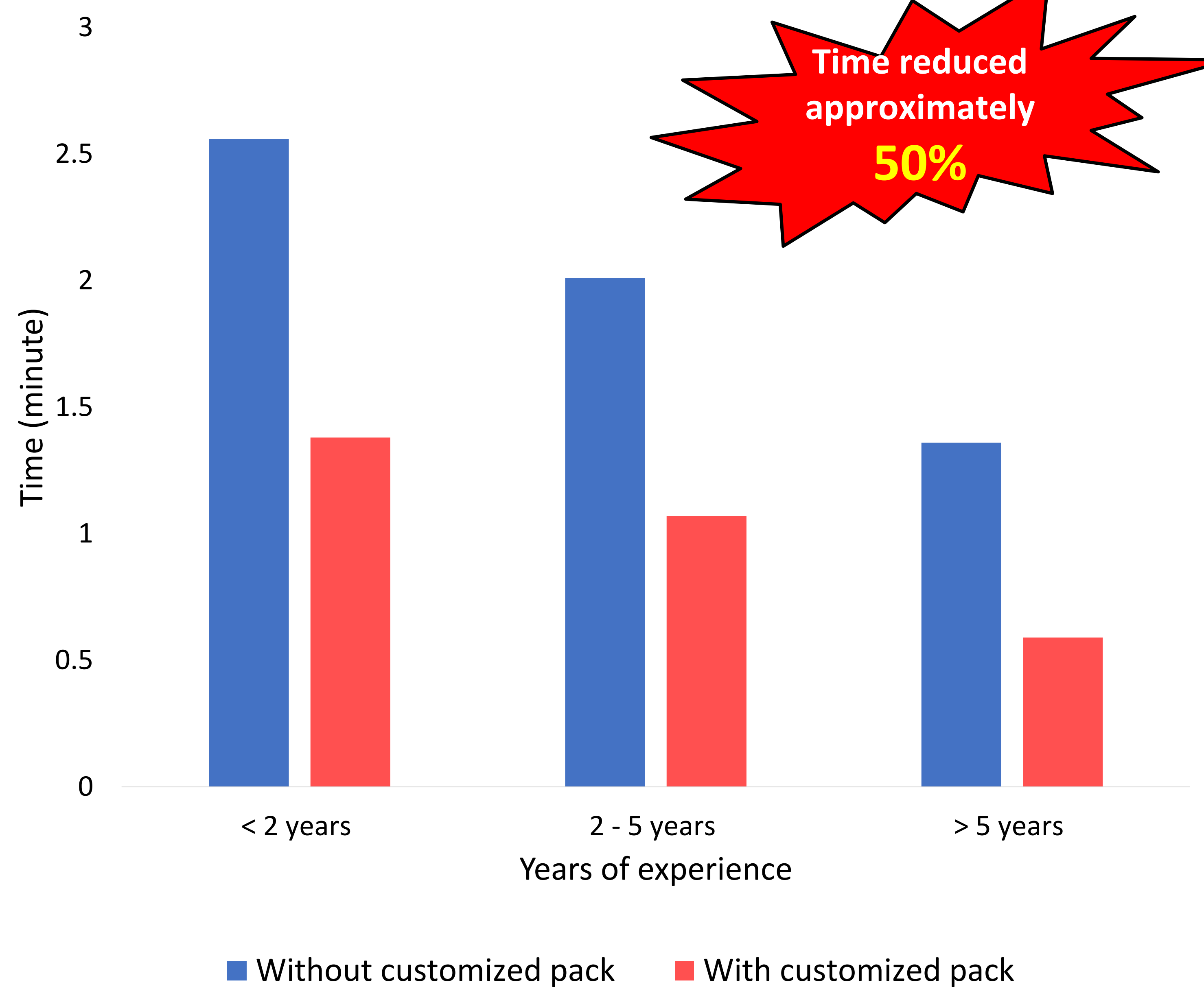
Recognizing the inefficiencies of PDSA 1, the team switched to using standardized customized ophthalmic prepacked sets for all intraocular cases with all the consumables in the pack.



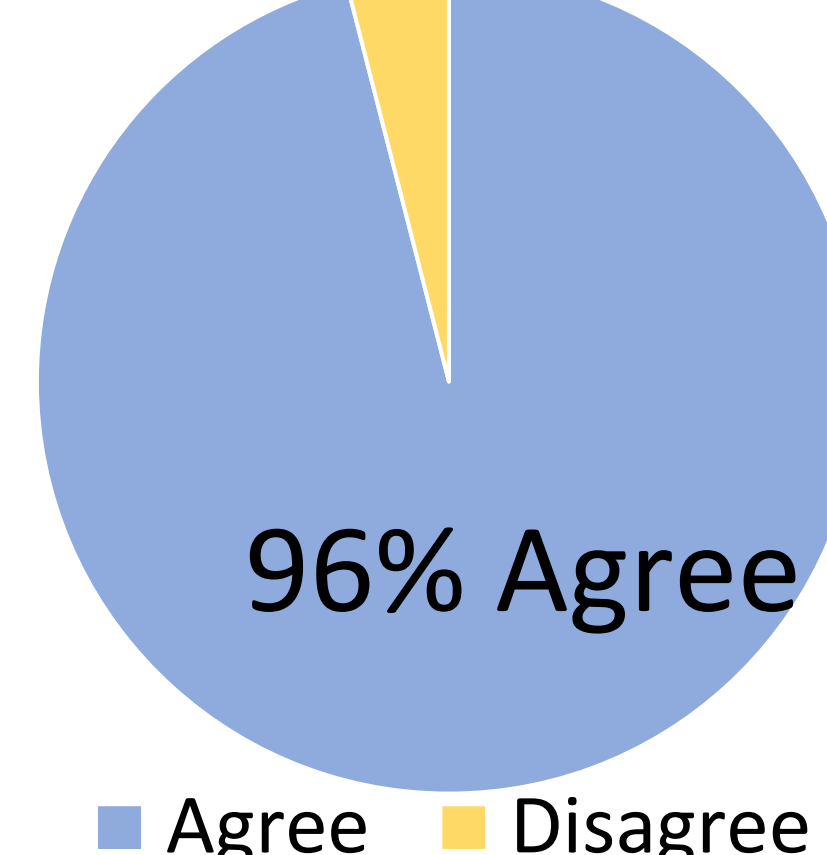
Pre-packed consumable Drape

Result

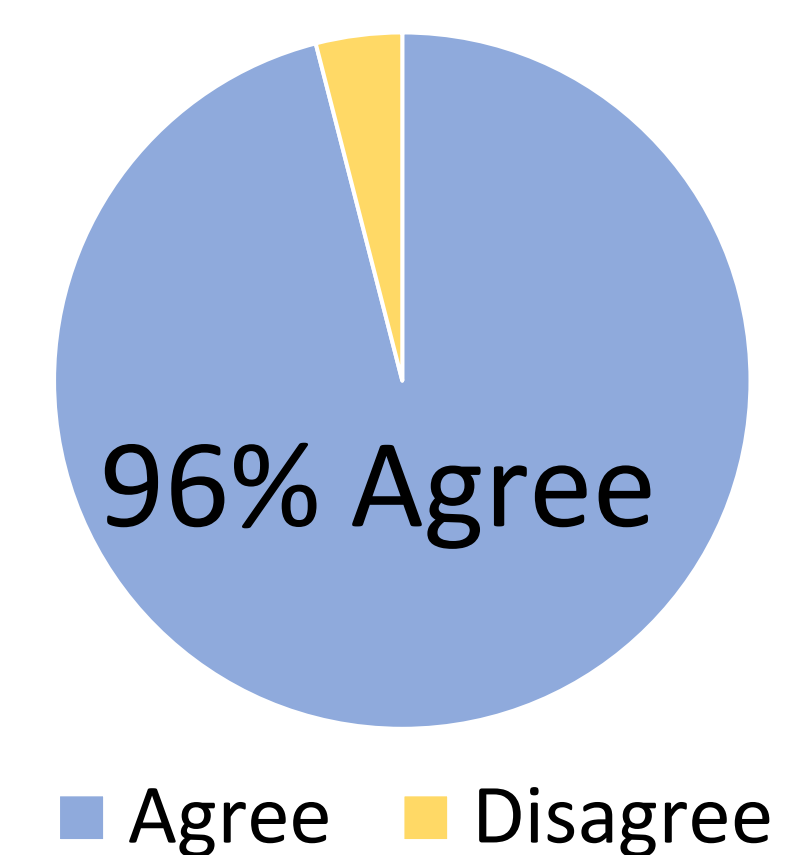
Sterile Trolley Preparation Time



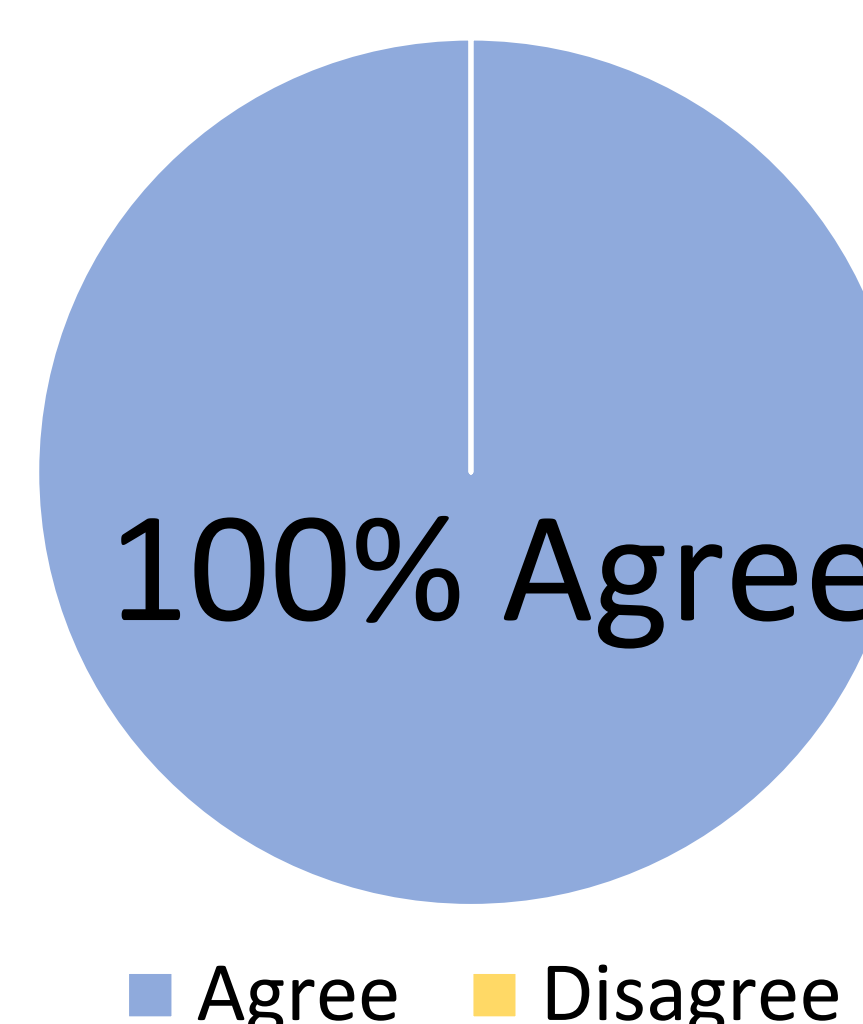
Does customized pack supported by staffs?



Does customized pack increase efficiency?



Does customized pack improve in workflow?



Conclusion

Customized ophthalmic packs have been proven to be **beneficial and effective in reducing the staff workload**. By streamlining consumable preparation, staff can focus on nursing care, enhancing patient safety and staff satisfaction in our fast-paced environment.

Future Plan

This concept of prepacking standard consumables into specific types of surgery will be translated to extraocular ophthalmic surgeries to further reduce the need to pre-prepare for extraocular surgeries. In addition, the current pre-pack set will be enhanced with an added cleansing consumables, which reduces the need to open and sterilise an additional cleansing set. Ultimately, this concept of prepacking commonly used consumables will not only reduce workload with its convenience but will allow nurses to focus on providing quality care to patient without the need to multitask.