National Quality Improvement Conference

Elective Tonsillectomy as a Day Surgery Case is Cheaper

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Problem Statement

Locally, most restructured hospitals perform tonsillectomies as day cases. Problem 1: With COVID-19, there was a significant reduction in the number of beds for elective surgeries. Some of these patients do not require overnight stay. Problem 2: In KTPH, tonsillectomy, our patients

Potential Solutions

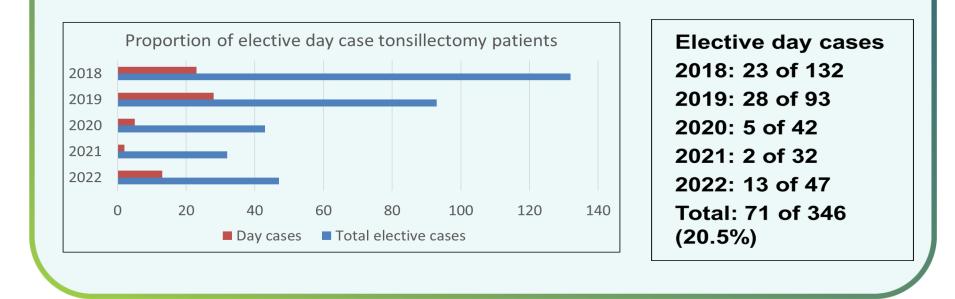
Team brainstormed and came up with the workflow for Tonsillectomy for better clarity; uses the cause & effect diagram to investigate the causes of not able to perform Tonsillectomy as day cases. Diagrams as shown

EXTRONMENT Cause & Effect Diagram

Pareto Chart

day's date: te of surgery: <u>be filled in by listing Or:</u> <u>translitectory the sole procedure?</u> Please Fill in/Circle Below Yes / No that is the indication for tonullectory? that is the indication for tonullectory? that is the patient's ASA? the for more ASA?

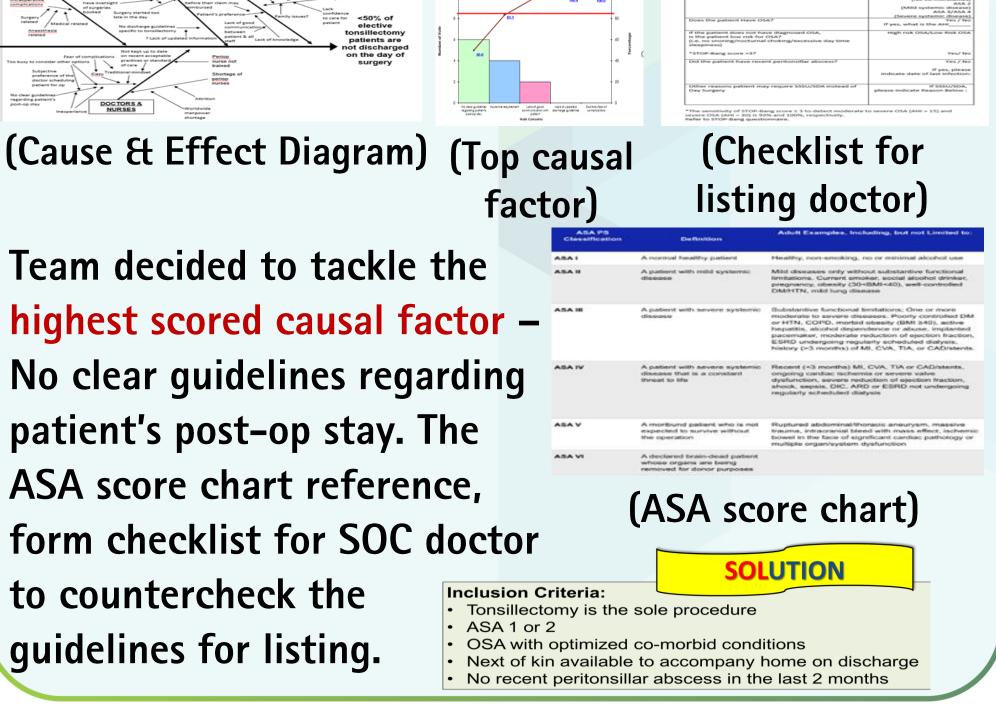
are still admitted for overnight observation.



Project Aim

In KTPH, tonsillectomy is one of the most common surgeries performed. Between 2018 to 2022, we have done a total of 71 (20.5%) elective tonsillectomies as day cases, without adverse events. To reduce cost and improve efficiency, team aimed to increase proportion of ambulatory tonsillectomies from 20% to 80%

Lessons Learnt



Outcomes & Impacts

The annual cost savings for per patient stay based (65 cases) on the above average workload (2018-2022), **subsidized patient group expects a cost-savings of S\$65,000;**

	Patient Group	Cost
ב	Subsidized patient (day surgery)	S\$3000
	Subsidized patient (1-night stay)	S\$4000
	Cost Savings	S\$1000
	Private patient (day surgery)	S\$6000
	Private patient (1-night stay)	S\$8000
	Cost Savings	S\$2000

After 6 months, expects a cost-savings of S\$65,000; we increased the day cases from private patient group expects a cost-20% to 46%. savings of S\$130,000. • we are able to provide cheaper care without compromising **Cheaper Care** patient's safety. The performed cases demonstrated a successful post-**Practical and** operative pain management protocol and post-surgery guidelines as there were no failed discharge rate and no possible care readmissions for post-operative pain or inadequate oral intake **Free Up more beds** This project also allows overnight beds in the hospital to be used for other patients which are not suitable for ambulatory for other needy surgery or for emergency department patients, therefore patients having a positive effect to the hospital. With the ability to provide uncompromised care for

Important considerations & lessons learnt: Careful patient selection is crucial, thorough Preoperative assessment is essential, Patients & families fully understand expectations and potential complications, Minimize post-op discomfort and vigilant post-op observation and Patient education contributes to successful implementation and that it is safe, feasible and efficient in a selected group of patients Continuous refinement of the solutions is necessary to ensure challenges are continuously addressed to sustain the project.

more major cases, nurses professional skills and knowledge will also be upskilled. This increases overall nurses professional development in the long run.