Quality Improvement Conference

Improving the "Time-to-diagnosis" for patients presenting with Gross Hematuria

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Problem Statement

Gross hematuria is the most important presenting symptom for bladder cancer

A delay in the diagnosis of bladder cancer increased the risk of death from disease independent or disease stage of tumor grade

A delay between the onset of symptoms and patient presentation to the GP was associated with a poorer prognosis and higher stage bladder cancer (5).

Project Aim

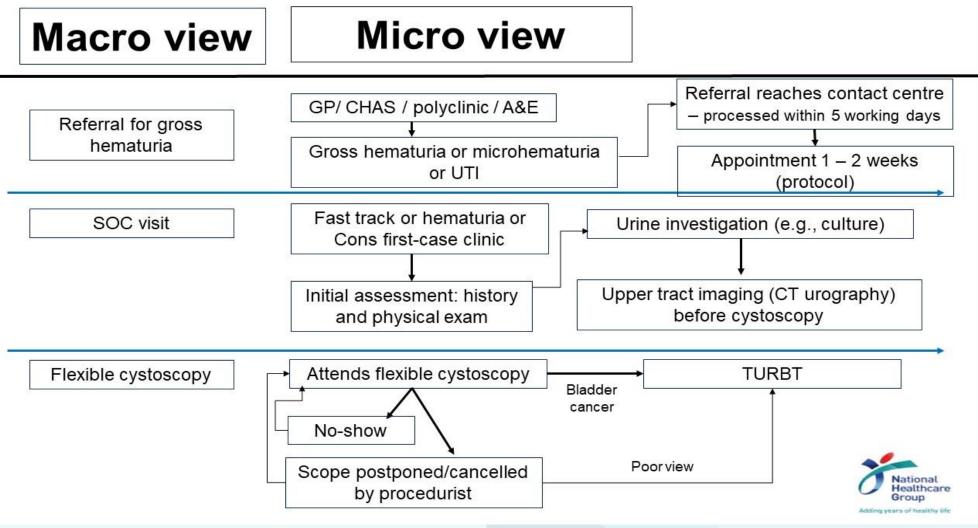
"Within a 6-month period, to increase the proportion of patients who gets flexible cystoscopy within 21-days of referral for gross hematuria to Urology clinic ("time-to-diagnosis*") from a baseline of 17.5% to 100%."

*"Time-to-diagnosis" = duration from referral to Urology clinic for gross hematuria to flexible cystoscopy

Lessons Learnt

Domain	Lessons learnt		
Problem recognit ion	 Compare existing department outcomes with published MOH/International data 		
Problem solving	 Involve all stakeholders Following the CPIP workflow: Process mapping (flowchart) / Ishikawa chart / Pareto 		
PDSA	 An apparent "patient-factor" problem, such as "no-show", may be due to an underlying physician / admin problem Management protocol can be difficult to reverse 		
Outcom e	 To analyze process measures, outcomes measures, and economic measures 		

Potential Solutions



Brainstorming, Fishbone and Pareto Chart were completed with a multidisciplinary team involved in the process flow above. The following interventions were developed:

	interventions were developed:				
	Problem		Intervention		
	No show to scope room		1: Stopped reboow-yield condition		
	utilizing scope appts		1.1: Enhanced cessing no show rea		
	Prioritizing CT urography over flexible cystoscopy		2: Perform flexi to upper tract im		

Outcomes & Impacts

Run Chart: Percentage scope within 21 days



Table: Sustain & Spread Strategies

		Intervention	Activity
	Sustaining	MO orientation programme	Incorporate gross hematuria topic into MO orientation and education programme, to be taught early in the posting
		Clinic re- organization	Fast-track clinic and hematuria clinic for protocolized management of hematuria as per guidelines and as per CPIP interventions
	Spreading	Problem recognition	Regular audit and review of outcomes, and compare with local and international standards
		Problem solving	Encourage problem solving using the established tools of CPIP