Quality Improvement Conference

Reducing Average Length of Stay (ALOS) for Elective Total Hip Replacement (THR)

Patients

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Problem Statement

Elective THR cases in TTSH have a prolonged ALOS (4.8 days) as compared to international standards.

- Washington University of Medicine (2015) & Netherland (2013) showed ALOS of THR patients reduced to 2.0 to 2.9 days with rapid protocol.
- Retrospective TTSH data collection also revealed that 55% of elective THR patients were discharged to community hospital.
- COVID-19 pandemic reminded us the importance of reserving the inpatient beds more medically unwell patients.

Project Aim

To reduce ALOS of patients after elective THR in Ward 85 in TTSH from 4.8 days to 2.9 days over a sustained period.

- Cohort patients: primary elective total hip replacement (THR) patients
- Data Collection: TTSH Hip registry
- Outcome measure: ALOS
- Balance measures: 30 days readmission rate

Lessons Learnt

C	hallenges	Solutions
lir	ledical teams had mited time to provide omprehensive preperative education	Empowering coordinator to conduct personalized pre-operative education and discharge care plan
la be Pl	atient arrived at ward te, hence was unable to e review by hysiotherapist on post- perative day (POD) 0	Upsklling nurses to assist with mobilization of patient on POD 0

Learning point:

- Plan-Do-Study-Act (PDSA) is important to evaluate effectiveness of intervention.



