



CONDITION SPECIFIC PROM'S- A PATIENT CENTERED MODEL TO IMPROVE THE QUALITY OF HEALTH CARE SYSTEMS

INTRODUCTION

- The health-care systems have recognized patients' perspectives to deliver patient care with high quality and safety
- PROMs reflect a patient-centred model of healthcare as it captures patient's own opinions about the treatment impact on their condition, and on their life.
- The condition-specific PROMs are standardized questions about patient's mobility, function or pain levels in certain areas of the body.
- This allows to effectively track treatment impact, develop optimal management strategies and assist in establishing treatment objectives

AIM

To establish individualised treatment goals and track the treatment impact and health outcomes which would deliver a quality care.

OBJECTIVES

- To establish patient specific treatment objectives/ goals
- To effectively track treatment impact and health outcomes
- To deliver quality care

METHODOLOGY

- PROMs to be carried out by the physiotherapist
- It includes all THR (20 patients), TKR (7 patients) operated at Meenakshi hospital from August 2022 - 2023.
- Care pathways were formulated for THR, TKR to monitor if rehabilitation protocols were followed in post-surgical phase.
- The study used 2 condition specific PROM's:
- Harris Hip score- 1 hip pathology specific PROM following THR,
- Oxford knee score- 1 knee pathology specific following TKR

DATA COLLECTION METHOD

- Questionnaire was collected in paper, at discharge, 6 weeks, 3 months, 6 months, 1 year.

TKR- Oxford knee score: 12 questions- 2 components

• Pain (Q1,4,5,6,8,9,10); Functional (Q2,3,7,11,12)

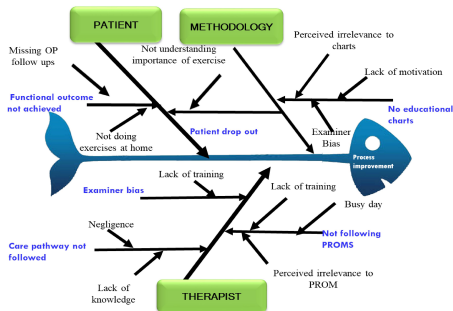
THR- Harris hip score: 13 questions, 4 components

• Pain (Q1); Function (Q2,3,4,5,6,7,8)

• Absence of deformity (Q9); ROM (Q10,11,12,13)

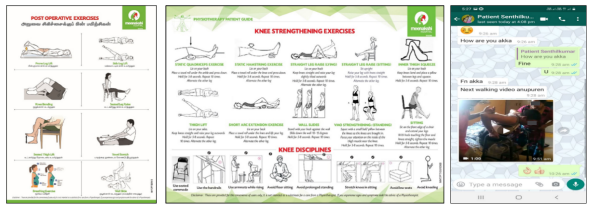
DATA ANALYSIS AND INTERPRETATION

- Total of all patient's pain score, functional score in 6 weeks, 3 months, 6 months, 1 year
- Percentage of every component= score obtained / total score*100
- Individual patient's decrease in progress, were monitored and root cause analysis were done using fish bone diagram and Why-Why analysis.
- Corrective action and preventive action were taken

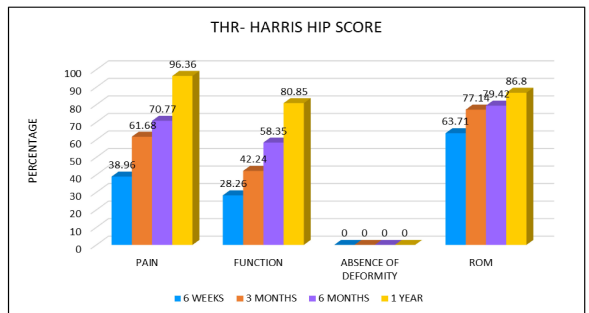
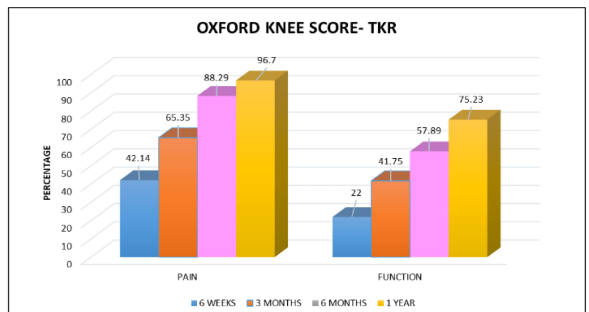


CORRECTIVE ACTION & PREVENTIVE ACTION

- Educational charts, handouts were given
- Demonstration of exercises with minimum of 2 attenders
- Exercise compliance at home were followed through phone, whats app.
- Training on follow up of PROM and scoring pattern
- Training to therapist on care pathway and rehab protocols.
- Reminder call about OP review dates.
- Discuss with surgeon about delay or slowed scores on a particular component.



DATA TABLE



RESULTS

- In HHS, 20 patients- 1 patient showed good status improvement in functional component, and rest of samples had excellent hip status in pain, function, absence of deformity and ROM component.
- In OKS, 7 patients- 1 patient showed mild improvement in functional component, 1 patient in moderate improvement and rest of samples had very good pain and functional component improvement.
- This enabled the team to analyze the root cause of reduced functional outcome/ pain in 2 patients and it helped in action taken and further patient follow up.

CONCLUSION

PROMs provide health care teams with the following advantages:

- Improvement of patient-centred care and quality of care
- Establishment of treatment objectives
- Monitoring of treatment results and action taken based on PROM score
- Improvement in clinical reasoning process and decision making

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