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## Introduction:

- Pain is a common complaint among oncology patients.
- Satisfying patients' expectation of timely pain relief remains a challenge in government run hospitals, considering the huge number of patients.
- Empowered nurses to undertake pain specific assessment, decision making and performing pain relief procedures will overall improve pain management in the Hospital.

## Methodology:

- Quantitative study.
- Setting: Tata Memorial Hospital
- Sampling criteria: Nurses with minimum 3 years experience in oncology set up working in Tata Hosp.
- Sample Size: 80 nurses
- Sampling technique: purposive sampling from all clinical area.
- Intervention: 13 days training program included theory, practical session, and **competency checklist**.
- Record sheet, Structured questionnaire used as tool for data collection.
- Data for number of procedures performed were collected from 1.8.2023 to 31.10.2023.

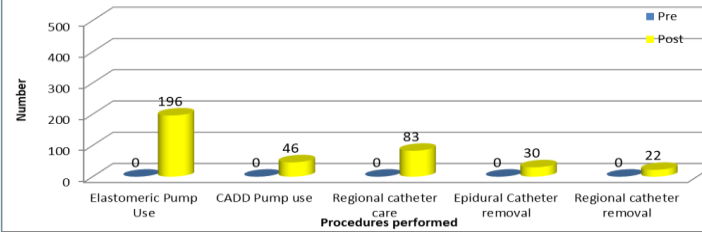
Performance Rating	Level of Performance
1	Cannot perform (Poor)
2	Needs improvement / cannot perform skills independently (Average)
3	Can perform independently (Good)
4	Can perform skillfully (Very Good)
5	Can train others (Excellent)

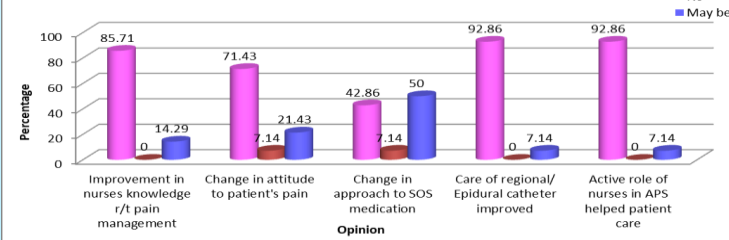
Sr. No.	Skill - ACUTE PAIN SERVICES	Rating	Date of Completion	Sign of Mentor
1.	Assessment of Pain in patient			
2.	Filling of Patient control analgesia pump			
3.	Maintenance of PCA pump			
4.	Administration of bolus dose through PCA			
5.	Epidural band check (Ice test)			
6.	Administration of epidural Bolus dose for pain Management /Band Check			
7.	Administration of Medication through Regional Catheter			
8.	Epidural site care			
9.	Filling up Elastomeric pump			
10.	Care of Regional Catheter			
11.	Removal of catheters (Regional / epidural )			
12.	Health education to patient using patient information leaflet explaining rare but serious complication			
13.	Management of PDPH (Post-dural puncture headache) and follow up			
14.	Follow up catheter site and information			

**Results:** The training program consists of one day lecture on pain management topics, demonstration of procedures performed in Acute Pain Services (APS), followed by 12 days posting in APS to perform required number of procedures mentioned in competency checklist.

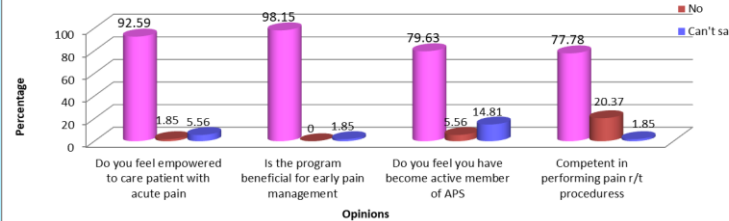
Graph 1: Number of pain management services performed by Pain Team nurse before and after program.



Graph 2: Opinion of APS Team Doctors on effectiveness of training program on pain management services (n=14)



Graph 3: Opinion of APS Team Nurses on effectiveness of training program on pain management services (n=54)



**Discussion:** Training of nursing staff in acute pain management has made nurses competent in initiating, and managing various regional and systemic analgesic techniques in Surgical Oncology patients.

**Conclusion:** Training of Nurses in pain management has empowered nurses and has improved overall pain management in Hospital.



## References

- Valenti V, Rossi R, Scarpi E, Ricci M, Pallotti MC, Dall'Agata M, Montali S, Maltoni M. Nurse-led telephone follow-up for early palliative care patients with advanced cancer. *J Clin Nurs.* 2023 Jun;32(11-12):2846-2853.
- Epstein AS, Desai AV, Bernal C, Romano D, Wan PJ, Okpako M, Anderson K, Chow K, Kramer D, Calderon C, Klimek VV, Rawlins-Duell R, Reidy DL, Goldberg JI, Cruz E, Nelson JE. Giving Voice to Patient Values Throughout Cancer: A Novel Nurse-Led Intervention. *J Pain Symptom Manage.* 2019 Jul;58(1):72-79.e2.