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## **Comparison of Femoral nerve block with Dexmedetomidine and Adductor canal block with Dexmedetomidine for postoperative analgesia for Total Knee Arthroplasty .**

NEHA GEORGE

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## TITLE PAGE

① **Title** : Comparison of Femoral nerve block with Dexmedetomidine and Adductor canal block with Dexmedetomidine for postoperative analgesia for Total Knee Arthroplasty .

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## *MANUSCRIPT*

**Title :** Comparison of Femoral nerve block with Dexmedetomidine in comparison and Adductor canal block with Dexmedetomidine for postoperative analgesia for knee arthroplasties.

### ② *Abstract*

**Background :** Analgesia post knee arthroplasties are crucial in early postoperative recovery and discharge . The rationale of this study was to compare the analgesic efficacy of Adductor canal block with that of Femoral nerve block in patients undergoing knee arthroplasties.

**Methods :** 140 participants aged 18 years & above with ASA 1 and 2 physical status undergoing knee arthroplasty under spinal anaesthesia were included and were divided into 2 groups – Adductor canal block and femoral nerve block which were administered under ultrasound guidance. The preoperative VAS score , haemodynamic variables and postoperative VAS scores were recorded . **Results :** The VAS scores between the 2 groups were not statistically significant , however there was significant difference in the time taken by the ACB participants to request for analgesia and to ambulate . **Conclusion :** ACB with Dexmedetomidine is equally efficacious when compared to FNB with Dexmedetomidine in patients undergoing TKA .

**Key words :** Adductor canal block , Femoral nerve block , Postop Analgesia