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

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

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