



▼ POST GRADUATES ABSTRACTS

PG -34 : COMPARISON OF PERIBULBAR ANESTHESIA WITH SUB-TENON'S IN MANUAL SMALL INCISION CATARACT SURGERY

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Aim: Comparison of peribulbar anaesthesia with sub-Tenon's anaesthesia in manual small incision cataract surgery in relation to time of onset of akinesia, extraocular movements, and pain at the time of administration.

Methodology: A randomized comparative study of 113 patients of which 57 patients received peribulbar anaesthesia and 56 patients received Sub-Tenon's anaesthesia. **Results:** The average time of onset of akinesia

with sub-Tenon's anaesthesia was 2.78 ± 0.958 minutes and peribulbar anaesthesia was 9.96 ± 2.141 minutes. The difference was statistically significant ($p=0.00$). Peribulbar anaesthesia ranked higher on pain score (5.12 ± 1.255) at the time of administration compared to Sub-Tenon's anaesthesia (3.77 ± 1.716), the difference being statistically significant ($p=0.00$). **Conclusion:** Sub-Tenon's anaesthesia is a safe and effective substitute for peribulbar anaesthesia.