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Comparison between sedation and general anesthesia for endoscopic ear surgery

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Introduction: Endoscopic trans-canal stapes surgery is new approach for treatment of conductive hearing loss due to otosclerosis that requires bloodless field in completely sedated patients. There are few published articles discussing anesthesia in patients undergoing this kind of new surgery. In addition, general anesthesia carries a greater cost to the hospital and the patient's recovery in the immediate postoperative period is more symptomatic

Methods: It is a prospective randomized study comparing two groups of 20 adult patients scheduled for Endoscopic Trans-canal Stapes Surgery, the surgery in the first group (group I) was done under sedation and in the second group (group II) under general anesthesia both groups received local anesthesia to decrease post operative pain and to minimize the bleeding.

Results: There were no operative time deference between both groups but time in the recovery room was significantly shorter in group I (19.7 ± 5.4)min in comparison to group II (30.8 ± 7.6)min There were no significant difference as regard the post-operative complain between both groups except for post operative intubation sour throat which was not found in the patients with sedation and postoperative nausea and vomiting which was statistically significant higher in the patients using general anesthesia 25%.

Conclusion: We conclude that endoscopic ear surgery may be done with local anesthesia and sedation in adult patients with some advantages over general anesthesia, being an option at the time of surgical decision.

Biography

Yasser Osman has completed his PhD and Post-doctoral studies from Faculty of Medicine, Alexandria University. He is Lecturer of Anesthesia at University of Alexandria. He has published many papers in reputed journals.

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