

An observational study of management of traumatic perforation of tympanic membrane

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Abstract

Background and objectives: Traumatic perforation of tympanic membrane is a very common finding in ear trauma. This can occur in while fighting, household violence, abuse, slapping, road traffic accidents etc... Our Study was to compare the outcomes of treatment modality of traumatic perforation of tympanic membranes where (Group A) one group with wait and watch technique and another (Group B) group with where patients were given combination ear drop (ofloxacin+clotrimazole +dexamethazone + lignocaine). **Materials and Method:** A prospective and observational study was undertaken from October 2017 to October 2019. It was conducted in the department of Otorhinolaryngology, Kalla Central Hospital, Eastern Coal Field, and West Bengal India.

Result: The total numbers of cases were 50. Average patients age group were 15-52. The numbers of male patients were 27 and female 23. Follow up of cases were done on 3th day, 20th day, 40th day and 60th day of first visit. Group a patients where we adopted wait and watch method on 20th days of follow-ups 28 % (7/25) patients perforations healed completely, 60% (15/25) healed on 40th day and rest 12 % (3/25) were not healed on 60th days follow-ups. On the other hand group B patients where we were using combination ear drop 28% (7/25) completely healed on 20th days of follow-ups, 64 % (16/25) healed on 40th day and 8% (2/25) failed to heal on 60th day. So, overall success rate on group A was 88% (22/25), whereas group B was 92% (23/25). Minimal difference in outcome in 2 groups was noted.

Conclusion: Addition of ear drops does not change prognosis of traumatic ear drum perforation. Antibiotic, antifungal drops can be given to prevent infection further more for patient satisfaction but this does not change natural course of disease process.

Biography

Nirupama Moran has completed her MS Otolaryngology at the age of 28 years from Dibrugarh University, Assam. She has over 15 publications that have been cited over 20 times, and has been serving as reviewers of reputed journals.



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