# ABSTRACT

Corticosteroids are commonly used to control inflammation in chronic otitis media and middle ear effusion. One primary concern with the use of corticosteroids via the oral route is the potential for ototoxicity. In this study, we examined the efficacy of a topical corticosteroid, mometasone furoate, when delivered via a post-tympanostomy tube. We also examined the efficacy of ethmoidectomy for minimizing the risk of ototoxicity.

## RESULTS

We found that the topical administration of mometasone furoate via a post-tympanostomy tube was safe and effective in controlling inflammation. The ethmoidectomy was not found to significantly reduce the risk of ototoxicity.

## CONCLUSIONS

The topical administration of mometasone furoate via a post-tympanostomy tube is a safe and effective method for controlling inflammation in chronic otitis media and middle ear effusion. However, further research is needed to determine the long-term safety and efficacy of this treatment.

---

**CONTACT**

Joshua A. Gottschall, MD FAAP
Chief of Pediatric Otolaryngology, Head and Neck Surgery
Kaiser Permanente Medical Center, Department of Head and Neck Surgery
3779 Piedmont Avenue
Oakland, CA 94611
Phone# 510-752-6801 Fax# 510-752-7032
Email: Joshua.A.Gottschall@kp.org