Abstract:
Eosinophilic otitis media is actually a recent introduction. These patients may manifest with sudden hearing loss. There may be associated bronchial asthma and allergic rhinitis. Diagnostic criteria of this condition are rather vague. A review of literature shows that demonstration of eosinophils in the middle ear secretion of these patients could be considered to be pathognomonic of this condition.

Introduction:
Eosinophils are considered to be effectors for allergic reactions. Eosinophilic otitis media is a newly recognised entity causing intractable middle ear pathology. This condition is characterised by excessive accumulation of eosinophils in the middle ear cavity and is associated with persistent middle ear effusion. These patients usually suffer from bronchial asthma. The first description of this condition should be credited to Koch who first reported some patients with middle ear effusion which contained lots of eosinophils. He also added that these secretions were highly viscous and the middle ear mucosa was pinkish in color. The term eosinophilic otitis media was coined by Tomioka et al in 1993.

Pathophysiology:
Pathophysiology of this condition is obviously allergy. These patients commonly had associated allergic rhinitis and bronchial asthma. Eosinophils could have been probably attracted to the middle ear cavity by the presence of IL inside the middle ear cavity.

Features of Eosinophilic otitis media:
1. Sudden deterioration of hearing
2. Bronchial asthma
3. Allergic rhinitis
4. Intractable otitis media
5. Persistent otorrhea

Incidence:
Incidence of eosinophilic otitis media is not clearly known. Literature search puts it to be rather common cause of otitis media with effusion.

Management:

Patients diagnosed with this condition should be warned of the possibility of sudden deterioration of hearing. Administration of systemic / topical steroids could be of benefit in these patients. Antihistamines and leukotreine receptor antagonists can also be used with benefit. Grommet insertion is indicated in patients with acute sudden hearing loss.

References: