

# **FP 11: Case Report on Nasopharyngeal Inflammatory Pseudotumor: A Diagnostic and Therapeutic Quandary**

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## Abstract

**Objective:** To present an approach to diagnosis and management of a rare case of Nasopharyngeal Inflammatory Pseudotumor in a 75-year old male presenting with a right aural discharge.

**Study Design:** Case Report

**Setting:** Tertiary Private Hospital

**Patient and Method:** A 75 year old male presented with right aural discharge, accompanied by fullness and decreased in hearing. Diagnostic imaging and endoscopy showed presence of nasopharyngeal mass with extension to surrounding structures. Imaging and clinical presentation are consistent with nasopharyngeal carcinoma, however repeated biopsies were not indicative of malignancy but rather an inflammation. Nasopharyngeal inflammatory pseudotumor was considered. Oral corticosteroid was used as diagnostic trial as well as for primary treatment. The patient's nasopharyngeal mass has responded well to the corticosteroid therapy. Repeat imaging and endoscopy were done which showed a significant decreased in the size of the nasopharyngeal mass.

**Case Discussion:** Nasopharyngeal pseudotumor is a rare disease entity that mimics a nasopharyngeal carcinoma. Diagnosis of nasopharyngeal pseudotumor is often difficult since imaging and biopsies are non-specific and usually diagnosis is made clinically. Their response to corticosteroids is considered to be both diagnostic and therapeutic. Approximately 80% of inflammatory pseudotumors respond to corticosteroid treatment but there is a 50 to 60% chance of disease recurrence. Maintenance-dose corticosteroids are recommended for at least six months to prevent recurrence of disease.