An Unusual Presentation of Nasal Polyp: A Case Report on Ethmoid Polyposis

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INTRODUCTION:
Nasal polypsis is an unpleasant inflammatory disease severely affects breathing. The estimated ethmoid polypsis prevalence in India is 4%. There are two different types of nasal polypsis; ethmoid polypsis and antro choanal polyps. Ethmoidal polyps which are developed from ethmoidal sinuses located between the nose and eyes. Usually it is allergic in nature and can be multiple, grape like masses. The estimated ethmoid polypsis prevalence in India is 4%. In this case study, a 61 year old female patient was admitted with complaints of severe nasal block since approximately 6 months.

CASE REPORT:
A 61 year old female patient was admitted with complaints of severe nasal block since approximately 6 months. She had past medical history of on and off nasal block (more at night) since 5 year, type 2 diabetes mellitus for 7 year, dyslipidemia and hypertension approximately for 10 years.

She didn’t take any medication for polyposis. Patient had history of multiple drug allergy includes; diclofenac, atracurium, lignocaine, glycopyrrolate and doubtful to drugs such as paracetamol, pyroxicam, bupivacain. General examination revealed bilateral pale pink polyps arising from middle meatus more on right, blocking choana on right side. Her laboratory investigation showed a variation in middle ear pressure and right choana.

Her laboratory investigation showed a variation in blood urea (12mg/dl), blood sugar level (173mg/dl), HbA1C (11.9) and total cholesterol (223 mg/dl).

CT of paranasal sinuses findings revealed content sclerotic walls- chronic sinusitis-Fungal, Right antro-choanal polyp and bilateral nasal polyp, complete opacification of bilateral frontal sinuses, near total opacification of bilateral ethmoid and left maxillary sinuses, and mucosal thickening in right sphenoid sinus- sinusitis, deviation of nasal septum to right side. Its impression stated that complete opacification of left sphenoid with hyper dense (Figure: 1&2). Other investigations like cardiac evaluation, echo summary and ECG was found to be normal.

Keywords: Ethmoid polyposis, Nasal polyp, Antro-choanal polyp, Choana, Polypectomy
Multivitamin tablet, nasal drop, nasal clear wash and own medication (Glimepiride + Metformin, Teneligliptin + Diltiazem). On second day she was posted for polypectomy, after local anesthesia procedure was done. During surgery the bilateral polyps debulking down with debrides, uncenectomy done then polypoid mucosa was removed. After the surgery she was treated with antihistamine, nasal drops and naso clear wash.

Post-operative period was tedious and the patient was discharged. There was no reoccurrence of the polyp after the surgery.

DISCUSSION

The patient presented with symptoms of severe nasal block since approximately 6 months and further investigations showed complete opacification of left sphenoid with hyper dense. Initially the patient was started with antibiotic, PPI and own medication. On second day she was posted for polypectomy. After the surgery she was treated with antihistamine, nasal drops and naso clear wash.

CONCLUSION

Edematous pedunculated mucosa of the paranasal sinuses in the nasal cavity. Here the patient presented with symptoms of severe nasal block since approximately 6 months. The CT of paranasal sinuses findings revealed complete opacification of left sphenoid with hyper dense. Initially the patient was started with antibiotic, PPI and own medication. On second day she was posted for polypectomy. After the surgery she was treated with antihistamine, nasal drops and naso clear wash.

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