Hamartomas are disorganized but benign masses composed of cells indigenous to the involved site. They have been reported in almost all organs but are rare in the head and neck region, especially the pharynx. We describe the case of a six-month-old male infant who presented with acute respiratory symptoms due to a pedunculated polypoid mass arising from his left palate tonsil. He underwent a tonsillectomy and removal of the polyp after initial stabilization. Histopathological examination showed features consistent with hamartoma. The child had an uneventful recovery and follow-up after one year showed no evidence of recurrence. Our case highlights that rare benign lesions like hamartoma originating in the oral cavity, even in infants, can have such an acute presentation and should be considered in differential diagnosis.

CASE REPORT

A six-month-old male infant presented to the emergency room of North Bengal Medical College with acute onset respiratory distress. He had a history of recurrent respiratory tract infections and was unable to feed properly since birth.

On clinical examination, bilateral equal vesicular breath sounds were auscultated, and there was no adventitious sound. Cervical lymphadenopathy was absent and systemic examination was unremarkable. The attending pediatrician noticed a mass protruding over the tongue and the patient was referred to an ENT surgeon. Indirect laryngoscopy showed a pedunculated polypoid mass in the throat arising from the left palatine tonsil [Figure 1]. The right tonsil was normal on examination. It was freely mobile and was neither enlarged nor inflamed.

Complete hemogram and chest radiograph were normal. He underwent tonsillectomy along with removal of the polyp under general anesthesia after initial stabilization. Intraoperative and postoperative periods were uneventful.

The surgically removed specimen of the tonsillar polyp was sent for histopathological examination. On gross examination, a pedunculated whitish polypoid mass measuring 6 × 2 cm was seen [Figure 2]. Cut section was homogeneous and glistening with yellowish areas. Histopathological examination of hematoxylin and eosin stained slides showed a keratinized stratified squamous epithelium-lined polyp [Figure 3]. Stroma showed dilated lymphatic channels and clusters of mature adipocytes. One focus showed mature cartilage [Figure 4]. No evidence of any malignancy was seen. Based on the features described above, a diagnosis of hamartoma of palatine tonsil was made.

DISCUSSION

The Greek word ‘hamartion’ gave birth to the term hamartoma, which means bodily defect. Benign tonsillar lesions include squamous papillomas, inclusion cysts, lymphoid polyps, lymphangiomas, fibromas, and lipomas. Polypoid lesions of the tonsils are rare and have been reported using various nomenclature: amongst these hamartomas are even rarer.

Previous cases of hamartoma of palatine tonsils are reported mainly in elderly patients who usually
present with sore throat, dysphagia, and continuous foreign body sensation. During surgery, difficult intubation may lead to the incidental discovery of a few cases. Our patient was only six-month-old, presenting to the emergency room with acute onset respiratory distress. Newborn infants have a variable ability to breathe through their mouths. The ability to breathe through their mouth increases with age. If there is any nasal blockage due to respiratory infection, mouth breathing serves as an alternative. Since this child had a mass in the oral cavity, compromising the oral airway, he developed breathing difficulty during respiratory infections.

The lesions described in previously reported cases were slow growing – a feature of hamartoma. In our case, the infant was only six months old at presentation indicating rapid growth of the mass. However, considering the age of the child and absence of any documentation regarding the previous size of the lesion, the possibility of the mass being congenital cannot be excluded.

Hamartoma of oropharynx and hypopharynx are pedunculated as in our case. The histopathological
picture of our case was similar to the case reported by Kardon et al., and comprised of mature adipose tissue, dilated blood vessels, and mononuclear inflammatory cell infiltrate. Some may show gastric mucosa. Although hamartoma is a benign lesion, malignant transformation may develop rarely.

Treatment is complete surgical excision and follow-up. Vascular lesions or those in contact with cerebral fossa are conditions suitable for embolization before surgery. Incomplete excision is associated with a risk of recurrence. In our case, the lesion was limited to the tonsillar parenchyma and did not infiltrate to adjacent structures. The child was followed-up for about one year without any evidence of recurrence.

**CONCLUSION**

We described the case of a six-month-old infant presenting with acute onset respiratory distress due to a fast growing (or more likely congenital origin) hamartoma arising from the palatine tonsil. It is important to perform a thorough examination of the respiratory system, including a local examination of the oral cavity in any patient presenting with respiratory distress. Rare benign lesions like hamartoma originating in the oral cavity, even in infants, can cause such a presentation.

**Disclosure**
The authors declared no conflicts of interest.

**Acknowledgements**
The authors are grateful to Dr. Bidyut Krishna Goswami, professor and head of the Department of Pathology, North Bengal Medical College, West Bengal, for his expert opinion and overall guidance.

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