Scholars Journal of Applied Medical Sciences (SJAMS)

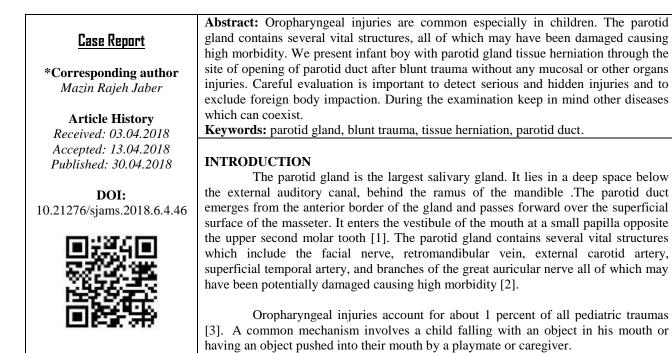
Abbreviated Key Title: Sch. J. App. Med. Sci. ©Scholars Academic and Scientific Publisher A Unit of Scholars Academic and Scientific Society, India www.saspublisher.com ISSN 2320-6691 (Online) ISSN 2347-954X (Print)

Medicine

Parotid Gland Tissue Herniation through the Opening of Parotid Duct after Blunt Trauma on the Cheek

Mazin Rajeh Jaber^{*}

University of Al-Qadisiyah, College of Medicine, Department of Surgery, Diwaniyah 58001, Iraq



Commonly reported objects include writing instruments (eg, pen, pencil), toothbrushes, lollipops, eating dishes, and drinking straws [4, 5].

CASE REPORT

We present the case of a 7-months-old boy who was referred to our hospital following mechanical blow by his brother's hand on his right cheek one day ago, followed by inability to feed, salivation, and crying .The parents noted that there is a fleshy mass in the mouth so they consult our hospital. Examination in the outpatient department of Al-Diwania teaching hospital, Al-Diwania city, Iraq, demonstrated a flaplike fleshy mass in the right side of the oral cavity with attachment to the upper part of lateral wall of the oral cavity. There were no other associated injuries and no blood in the oral cavity. Examination under general an aesthesia revealed a 2×3 cm soft tissue mass arising from the wall of right buccal mucosa. It was vascular on touching. It arisesd from the site of opening of parotid duct at the upper 2nd molar tooth region, so clinically diagnosed as parotid tissue herniation. We put in mind other possibilities as infection, granulomatous diseases, tumors such as lymphoma, so biopsy was taken which confirm the diagnosis of normal parotid tissue. 1cm incision in the buccal mucosa was done to release the stalk of herniation, The gland tissues reduced to its position and the incision repaired by vicryl suture. Postoperatively he was discharged in the same day, with oral antibiotics cover, and we advised his parents about good oral hygiene, he was examined in the outpatients department every week until the wound healed without any complication.

Mazin Rajeh Jaber., Sch. J. App. Med. Sci., Apr 2018; 6(4): 1603-1605



Fig-1: Picture showing the oral mass, limited mouth opening and salivation during the examination in outpatient clinic



Fig: Picture showing the oral mass (herniation of the parotid tissue) during the examination in operative room

DISCUSSION

Injuries of the oropharynx and palate are common in those under the age of six years old [6]. Most of these injuries will tend to resolve spontaneously with conservative management without complications [3, 7-9]. A small percentage can progress to develop an infection of a deep neck space and/or develop a carotid artery damage that cause high morbidity and mortality [10-15]. The average age of injury is 4 years old, it is two times more common in males. The most common site of injury is the left side of the palate, as the majority of patients are right handed and would hold the offending object in that hand. The presentation of the patient can vary from a obvious history of oropharyngeal injury to dysphagia and bleeding from the mouth [16]. Francis in 2014 described a case of a 20-month-old girl who developed a parotid gland and the associated buccal fat pad having herniated through a discrete 1 cm laceration in the wall of the mucosa caused by a tin whistle trauma

in her mouth [5]. In our case we present infant boy with parotid gland herniation through the site of opening of Stenson's (parotid) duct opposite to upper 2nd molar tooth region after blunt trauma without any mucosal or other organs injuries, which is not reported previously. After surgical reduction it healed without complications.

CONCLUSION

Oropharyngeal injuries are common specially in children, because they put the toys in their mouths .careful and meticulous evaluation is very important to detect serious and hidden injuries and to exclude foreign body impaction. During the examination keep in mind other diseases which can coexist if you notice abnormal finding.

Mazin Rajeh Jaber., Sch. J. App. Med. Sci., Apr 2018; 6(4): 1603-1605

REFERENCES

- Richard S. The head and neck, In Snell clinical anatomy by regions.8th edition, Wolters Kluwer, p787; 2011.
- 2. Francis EC, Browne KM, Eadie PA. The tin whistle: a rare and serious cause of penetrating oropharyngeal trauma in children. Case reports in emergency medicine. 2014;2014.
- Chauhan N, Guillemaud J, El-Hakim H. Two patterns of impalement injury to the oral cavity: report of four cases and review of literature. International journal of pediatric otorhinolaryngology. 2006 Aug 1;70(8):1479-83.
- Brietzke SE, Jones DT. Pediatric oropharyngeal trauma: what is the role of CT scan?. International journal of pediatric otorhinolaryngology. 2005 May 1;69(5):669-79.
- Soose RJ, Simons JP, Mandell DL. Evaluation and management of pediatric oropharyngeal trauma. Archives of Otolaryngology–Head & Neck Surgery. 2006 Apr 1;132(4):446-51.
- 6. Younessi OJ, Alcaino EA. Impalement injuries of the oral cavity in children: a case report and survey of the literature. International journal of paediatric dentistry. 2007 Jan 1;17(1):66-71.
- Ratcliff DJ, Okada PJ, Murray AD. Evaluation of pediatric lateral oropharyngeal trauma. Otolaryngology—Head and Neck Surgery. 2003 Jun;128(6):783-7.
- Suskind DL, Tavill MA, Keller JL, Austin MB. Management of the carotid artery following penetrating injuries of the soft palate. International journal of pediatric otorhinolaryngology. 1997 Feb 14;39(1):41-9.
- Radkowski D, Mcgill TJ, Healy GB, Jones DT. Penetrating trauma of the oropharynx in children. The Laryngoscope. 1993 Sep 1;103(9):991-4.
- Schoem SR, Choi SS, Zalzal GH, Grundfast KM. Management of oropharyngeal trauma in children. Archives of Otolaryngology–Head & Neck Surgery. 1997 Dec 1;123(12):1267-70.
- 11. Windfuhr JP. Aneurysm of the internal carotid artery following soft tissue penetration injury. International journal of pediatric otorhinolaryngology. 2001 Nov 1;61(2):155-9.
- 12. Joseph MM, Lewis S. Stroke after penetrating trauma of the oropharynx. Pediatric emergency care. 2002 Jun 1;18(3):179-81.
- Palmer AL, Strain JD, Henry DB, Karrer FM, Simoes EA. Postanginal sepsis after oropharyngeal trauma. The Pediatric infectious disease journal. 1995 Mar 1;14(3):249-50.

- 14. Kaplan DM, Fliss DM, Peiser Y, Greenberg D, Leiberman A. Internal jugular vein thrombosis in a child due to a 'pencil point injury'of the palate. International journal of pediatric otorhinolaryngology. 1998 Jul 10;44(2):183-7.
- Pierrot S, Bernardeschi D, Morrisseau-Durand MP, Manach Y, Couloigner V. Dissection of the internal carotid artery following trauma of the soft palate in children. Annals of Otology, Rhinology & Laryngology. 2006 May;115(5):323-9.
- Kris R. Open Journal of Pediatric Penetrating Oropharyngeal Trauma: 2015; A Soap Bar 1(2).