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Review Article

A Rare Cause for Cervical Pain: Eagle's 5

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Abstract

Patients with pharyngodynia and neck pain symptoms can lea syndrome must be taken in account. Eagle defined "stylalgia" a of the styloid process or to mineralization of the stylohyoid ligam Reichert's cartilage of the second branchial arch. The styloyd process temporal bone that lies anteriorly to the mastoid process. The population. Usually asymptomatic, it occurs in adult patients. It tonsillar fossa and sometimes accompanied by disphagia, odynoph changes. In some cases, the stylohyoid apparatus compresses the their perivascular sympathetic fibers, resulting in a persisten pathogenesis of the syndrome is still under discussion.

1. Introduction

It was Eagle in 1937 that first defined "stylalgia" as an autonom process or to mineralization of the stylohyoid ligament complex [1

The stylohyoid complex is made of styloid process, stylohyoid ligathese structures are derivate from Reichert's cartilage of the

elongated conical projection of the temporal bone that lies anterior external carotid arteries, and laterally the tonsillar fossa. In this species, the facial, glossopharyngeal, vagus, and hypoglossal ner stylohyoid, the styloglossal, and the stylopharyngeal muscles, and originate [4, 5].

The normal length of the styloid process is individually variable, [6]. The incidence of Eagle's syndrome varies among population population [2, 7]. Usually asymptomatic, it occurs in adult patie affected more often than males [4]. Rarely, the anatomical conditions of the styloid process is individually variable, [4].

Eagle primarily described two syndromes [1]:

- (1) Classic styloid syndrome: it frequently follows tonsil localized in the tonsillar fossa and sometimes accompanied by body sensation, and more rarely by temporary voice changes;
- (2) The stylo-carotid syndrome: it is not correlated with apparatus compresses the internal and/or the external ca sympathetic fibers, resulting in a persistent pain irradiating in t

Pathogenesis is still being debated. Surgical trauma or local chror the stylohyoid complex with consequent reactive ossifying hype elements is able to produce osseous tissue in adults [8]. Residi trauma or mechanical stress during the development of the stylo The anatomic anomaly of the styloid process could be genetically t Abnormal development of the styloid process is also associated w 12]. Ossification of the stylohyoid ligament should be also related [13].

Eagle's syndrome is treated surgically and nonsurgically [14]. infiltration of steroids or anesthetics in the tonsillar fossa has bee choice. Styloidectomy can be performed by an intra- or an extracresult in a restricted operative field, in the possibility of an inco nervous structures and in the risk of deep cervical infections. On the cutaneous scars, longer hospitalization, and risks of facial nerve in the experience of the surgeon.

2. Report of a Case

A 42-year-old female came to our Institution to evaluate pharyngor of the throat for over 1 year. The patient was very compliant, and styloid process could be palpated intraorally posterior to the right. The Orthopantomography showed the elongation of the right styloscans were taken for better defining length, angulation, and anatoc revealed a 3, 1 cm in length right styloid process (Figure 1). A made and an intraoral surgical treatment under general anesthesia of the styloid process was identified by palpation. Due to the tonsillectomy was not planned. The muscles of the pharyngeal was an incision was made on the periosteum at the tip of the styloid and the styloid process was exposed (Figure 2). 1 cm of his caud wall was sutured. Tonsillectomy was not required and haemorrhac preoperatively and once postoperatively. The patient was discharge patient was symptom-free.



Figure 1: preoperative CT scan showing elong



Figure 2: intraoperative view of the surgica completely exposed.



Figure 3: 1 cm resected from the distal part

3. Discussion

Patients with vague head and neck pain symptoms can lead to an ϵ is the main guide for the diagnosis of Eagle's syndrome. The important. Then, it is necessary to make a local examination palpa formation and should exacerbate pain aggravating symptoms with relief of symptoms from the local infiltration of lidocaine. Rad orthopantomography and CT scans are required [4, 5, 7, 15].

Many factors can determine changes in the structure of the stylo size [1, 3, 8, 13]. A wide variety of symptoms have been attributed

Using CT scans is indicated for diagnosis, although also an orthopantomography are required [4, 5, 7, 15]. The surgical treative When it is possible, the transoral approach is preferable. An intraoconsuming procedure than an extraoral approach and there is an approach in cases of Eagle's syndrome with palpable styloid process.

When dealing with cases of cervical pain, the possibility of an Eagle

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