Histopathological analysis plays a key role in its diagnosis.[3]

Histologically, it has a nonspecific appearance and inflammatory cells. [3] Due to its diverse histological presentations, it has several definitions, such as inflammatory myofibroblastic tumor and myofibroblastoma.[3]

If it is surgically accessible, the treatment of choice is complete surgical resection.[5,6] Radiotherapy is

ABSTRACT

Inflammatory pseudotumors are a group of lesions of unknown etiology that mimic clinically and radiographically neoplasms. In the maxilla, inflammatory pseudotumors are presented with bone alterations of erosion, remodeling, and sclerosis. The diagnosis is of exclusion, where multiple biopsies are required. The present study aims to report the case of a male patient who presented with increased volume in the left maxillary region, with diagnosis after total left maxillectomy being inflammatory pseudotumor. The patient did not present recurrences with 3 years of preservation and underwent multidisciplinary treatment with esthetic and functional rehabilitation with the preparation of a bucomaxillo prosthesis. Despite presenting some suggestive clinical features, the inflammatory pseudotumor has a difficult and of exclusion diagnosis, where multiple biopsies are required. They are lesions that simulate clinically and radiographically neoplasms. If it is surgically accessible, the treatment of choice is complete surgical resection.

Key words: Inflammatory pseudotumor, maxillectomy, oral surgery

INTRODUCTION

Inflammatory pseudotumors are a group of lesions that mimic neoplasms clinically and radiographically. [1] They are expansive and uncommon lesions of unknown etiology that mainly affect the lungs and orbits. [2] In the maxilla, inflammatory pseudotumors have been reported with bone alterations of erosion, remodeling, and sclerosis. [3]

Diagnosis is difficult and of exclusion, where multiple biopsies are often necessary. [3,4] Several complementary examinations may be required, such as computed tomography (CT) and bone scintigraphy.
reserved for selected cases and chemotherapy is not found to be effective.[6]

In this study, it was reported the case of an inflammatory pseudotumor in the left maxilla, which treatment was total surgical resection associated with postoperative rehabilitation with bucomaxillary prosthesis.

CASE REPORT

A 34-year-old male patient was admitted to the Oral and Maxillofacial Surgery Service of the Adriano Jorge Hospital with a history of increased volume in the left infraorbital region [Figure 1] and painful complaint. At the physical examination, a firm, palpable, sessile, adherent nodule with a slow evolution of about 2 years was observed.

Puncture had a negative result. An incisional biopsy of the lesion was performed under local anesthesia [Figure 2], where it was obtained a suggestive diagnosis of malignant schwannoma.

After requesting complementary examinations of bone scintigraphy and CT [Figures 3 and 4], extensive bone remodeling was observed in the left maxilla. Due to the clinical characteristics and histopathological examination suggestive of a malignant tumor and in combination with the findings of the complementary examinations, total left maxillectomy was performed by Weber Ferguson access under general anesthesia and orotracheal intubation [Figures 5-7]. The surgical specimen was sent for histopathological analysis.

Histopathological examination showed densely collagenous connective tissue infiltrated by a great number of large pleomorphic, sometimes multinucleated, histiocytoid cells with nuclei of varying sizes. Fragments of bone tissue were also observed with innumerable areas of active resorption [Figure 8].

The patient is about 3 years of preservation and underwent multidisciplinary treatment with the manufacture of bucomaxillary prosthesis and awaits new surgery for rehabilitation [Figures 9-14].

DISCUSSION

Inflammatory pseudotumors do not present an identifiable common cause, but some authors believe that any inflammatory stimulus can trigger it.[1,7,8] It has been postulated that they may be the result of a postinflammatory repair process, a metabolic disorder, or an antigen-antibody interaction with an agent that was no longer identified in aspiration or biopsy material.[8] In the present study, it was not possible to observe a triggering process for its development, confirming an uncertain etiology.
They have this denomination because they are lesions that simulate neoplasms clinically and radiographically.\cite{1-3} Regarding the radiographic aspects, they have a more aggressive appearance in the maxilla than orbital tumors with bone alterations such as erosion, remodeling, and sclerosis.\cite{9-11} After image examination, a pattern of bone alteration was obtained according to the literature.
It is reported as occurring in almost every site of the body, most commonly involving the lungs. When it occurs in the head and neck, it has been reported affecting mainly the orbits and, rarely, the maxillary sinus.[2] However, in this study, after the total left maxillary procedure, it was possible to observe maxillary sinus integrity, suggesting a different location from the most prevalent.

Due to their wide spectrum of histological presentations, they present several synonyms such as histiocytoma and xanthogranuloma.[3,12,13] The histological aspect is nonspecific, with two characteristic cell types: myofibroblasts and inflammatory cells. Temporal progression from acute to chronic inflammation to a fibrous process has been observed.[14,15] It was possible to observe a large cellular pleomorphism associated with areas of bone resorption.

Viegneswaran et al.[1] in a literature review of 28 cases of inflammatory pseudotumor of the oral cavity and maxillary sinus, reported a 1.5:1 of male: female ratio and mean age of presentation of 33 years. In this report, it was possible to observe a 34-year-old male patient, with an age of presentation corresponding to their study.

Some laboratory abnormalities may be observed, such as hypochromic microcytic anemia, thrombocytosis, and elevated erythrocyte sedimentation rate, which disappear after surgical resection.[14] Systemic symptoms are generally not found.[3,13] The patient did not present alterations in blood count or systemic symptoms.

Corticosteroids and surgical resection are the mainstays of therapy for inflammatory pseudotumors of the head and neck. High-dose corticosteroids cause rapid decrease of inflammatory pseudotumor, but tumors recurred in 20% of patients with parapharyngeal space or skull base treated with corticosteroids.[5,6] Radiotherapy is reserved for selected cases, since their success is limited and has the potential to induce malignancy in a benign lesion.[13] Chemotherapy was not found to be effective.[6] In our case, due to inconclusive results obtained with previous examinations, we opted for complete surgical resection through total left maxillary colectomy to establish the diagnosis. Corticosteroids were not used since there was complete excision of the lesion.
The inflammatory pseudotumor is a lesion that simulates neoplasms clinically and radiographically, of unknown etiology, that mainly affects lungs and orbits. It has a difficult diagnosis, with the frequent need of multiple biopsies to establish it, making a diagnosis of exclusion. It is necessary for the surgeon a certain knowledge of the characteristics of this unusual lesion, due to its very controversial and comprehensive characteristics. When surgically accessible, the treatment of choice is complete surgical resection.

Declaration of patient consent
The authors certify that they have obtained all appropriate patient consent forms. In the form the patient(s) has/have given his/her/their consent for his/her/their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

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Conflicts of interest
There are no conflicts of interest.

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