Remission of congenital epulide - case report

Abstract
The lesion of congenital granular cells, also known as Neumann Tumor or Congenital Epulide Tumor, is a benign and rare congenital lesion, with incidence in newborns with predilection by the female gender and occurs predominantly in the anterior alveolar ridge of the maxilla. This lesion exhibits benign behavior and there are no reports of relapse in the literature. This report aims to describe the observed case of a newborn seven days old, melanodermia, presenting lesion of congenital granular cells in the gingival mucosa of the maxilla with difficulties in breastfeeding. The treatment consisted of observation and control, since there was a natural rupture of the lesion, without other complications and without recurrence, culminating with the natural return of the newborn to breastfeeding.

Keywords: congenital abnormalities, neoplasms, pediatric dentistry, newborn, prenatal diagnosis

Introduction
Dentistry for newborns is willing to provide a lower rate of dental problems to children’s development, presenting more condition of proper oral health and parents more aware of the relevance of prevention. Attention is now focused on early care, beginning before the first year of life, when children of a few days or months are taken to the dental office to have the first educational recommendations and diagnosis of anomaly or alteration in the oral cavity, solving limitations such as difficulty in breast-feeding. Therefore, the need to be able to distinguish and diagnose correctly and safely, anomalies in early stages, initiating treatment. Tumors of the oral cavity are not common among newborns. Congenital epulide of the newborn, evaluated as a tumor of congenital granular cells, is a rare gingival neoplasia that compromises the alveolar ridge of the newborn. Its clinical exposure is usually a single tumor located in the anterior alveolar ridge of the maxilla. The lesion may be sessile or pedunculate, with normal or gingival red coloration, of firm consistency, smooth and lobed surface. The caliber of the lesion may change, its existence may restrict the complete closure of the baby’s mouth and most of the tumor presents benign without further development after birth, indicating absence of metastasis and recommending treatment as early as possible. Congenital granular cell lesion, although rare, is simple to diagnose due to the typical manifestation in the alveolar ridge of the newborn, presenting as a generally single-variant submucosal mass, predominantly female. Its occurrence is sporadic, with no associated genetic load there are reports of relapse in the literature. The recommended treatment is surgical excision, especially when there is compromise during breastfeeding, swallowing and breathing of the newborn. It is ideal that it be diagnosed and treated early because of the patient’s premature age. Delayed diagnosis can compromise adjacent structures, inhibiting their rehabilitation. Through a multidisciplinary project and follow-up during the trans and postoperative period, the patient has good postoperative conditions and immediate esthetics, besides allowing oral speech and food intake. The objective of this study was to report a case of Congenital Epulide with remission of symptomatology and natural resolution of the cause without surgical intervention.

Case report
This report describes the case of a newborn seven days old, female, melanodermia, born in Vitória da Conquista, Bahia - Brazil. In the clinical examination, a lesion was observed in the mucosa of the upper border with a nodular aspect and pedunculated base, presenting small lesion, of pink color in the gingival mucosa of the maxilla (Figure 1). The lesion presented a smooth surface with an erythematos base, measuring approximately 1cm in diameter (Figure 2). The infant showed difficulties in breastfeeding, interrupted sleep and frequent crying associated with a painful process, according to the mother’s report. The initial diagnosis was Congenital Epulide after clinical examination, and the responsible child was informed that an incisional biopsy would be performed for the purposes of diagnostic confirmation and treatment (Figure 3). However, there was no need for surgical intervention, since on the same day of the visit there was a natural rupture of the lesion and remission of symptoms. The return of breastfeeding was gradually achieved with total wound healing, with no relapses or other complications, demonstrating that remission of symptomatology and natural resolution of the cause is possible, the newborn was then followed up with observation and control. The term of Free and Informed Consent was signed by the mother before the consultation.
The objective of the present report is based on exposing a case of natural remission of Congenital Epulide, with favorable prognosis. Lucas RP et al. 2014 reported that the Congenital Epulide was first described by Neumann in 1871 as a lesion affecting newborns, typically located in the alveolar ridge, specifically in the area of the incisors and canines. Thus, infants with this lesion may develop difficulties during the breathing process and/or feeding.

Discussion

The treatment of Epulide has two routes, surgical and non-surgical with spontaneous regression of the lesion, as in the case in question. Surgical excision is indicated and there are no reports of recurrence. The spontaneous regression of the lesion is rare, given the importance of reporting the case described. Many authors seek to understand the pathology, although the etiology of the Congenital Epulide remains uncertain and remains unknown. The present work reports a rare case of Congenital Epulide where it presents remission of the symptomatology, without the necessity of the surgical intervention, without relapse of the same.

Conclusion

The present report showed a case of Congenital Epulide in a newborn with natural rupture without the need of surgical intervention, contributing to the complete remission of the symptoms.
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None.

The authors declares that there is no conflict of interest.

References