Mandibular Ameloblastoma Giant

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Abstract

The ameloblastoma is a benign odontogenic tumor, locally aggressive and recidivism determines prognosis and monitoring. We report a unique case of a mandibular ameloblastoma giant on a patient of 12 years referred for mandibular swelling with important functional gene. The scanner objectified picture unilocular osteolytic extent of the right ramus to the tooth 36, with thinning of cortical bone (Figure 2). Mandibulectomy subtotal interrupter with reconstruction plate was made (Figure 3, 4). Pathological examination confirmed the diagnosis of ameloblastoma Benin mixed, the suites were simple.

Keywords: Mandibular; Ameloblastoma; Mandibulectomie

Introduction

The ameloblastoma is a benign odontogenic tumor, locally aggressive and recidivism determines prognosis and monitoring. We report a unique case of a mandibular ameloblastoma giant.

Observation

Patient of 12 years referred for mandibular swelling with important functional gene. The review found a hard swelling integral with the mandible with dental displacement in (Figure 1). The scanner objectified picture unilocular osteolytic extent of the right ramus to the tooth 36, with thinning of cortical bone (Figure 2). Mandibulectomy subtotal interrupter with reconstruction plate was made (Figure 3, 4). Pathological examination confirmed the diagnosis of ameloblastoma Benin mixed, the suites were simple.
Discussion

Relatively frequent among odontogenic tumors but rare considering tumors and cysts of maxillary ameloblastoma accounts for only 1% of bone tumors and 25.2 to 58.6% of benign odontogenic tumors according to the authors. The frequency is much higher in the black African population, it can reach up to 80.1% in some series, it mainly occurs between the 3rd and 4th decade with a slight predisposition for subjects 20 to 35 years. The ameloblastoma mainly interested mandible (80% of cases). The angular region represents the most common location, with extension to the horizontal branch (70%), then followed by the parasympyseal regions (20%) and symphysis (10%) [1,2]. The ameloblastoma is characterized by a long latency, patients most commonly see at the stage of mandibular swelling. Dental signs most often found in the literature are mostly tooth mobility and displacement.

In all cases, two negative signs are highlighted: the lack of satellite nodes and absence of impaired mucocutaneous sensitivity. Medical imaging is an essential consideration for the diagnosis of ameloblastoma. It uses conventional examinations or even CT or MRI that allow further study. The radiological picture is not unequivocal and none is specific, it only helps to guide the diagnosis. The latter is based on a set of arguments: clinical, epidemiological and histological above.

Two types of images can be observed: multilocular pictures (2/3 cases) separated or unilocular images (1/3 of cases) [2].

The radical treatment mandibulectomy subtotal is not discussed in the case of mandibular ameloblastoma giant. It is no longer possible to perform a simple curettage or enucleation. Recidivism is higher after conservative treatment as radical. The risk of recurrence is highest in the first three years but recurrence may occur much later, after 15 to 30 years [3].

Conclusion

Benignity of the giant ameloblastoma is uncertain, the treatment should be radical, long-term monitoring is essential.

References