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FIVE-FLUOURACIL FOR ODONTOGENIC KERATOCYST TREATMENT: A CASE REPORT

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Five-fluorouracil (5-FU) is an antimetabolite drug used in the treatment of various cancers, including basal cell carcinomas (BCC). Some authors believe that odontogenic keratocyst (OKC) would respond to 5-FU treatment because of their similarities to BCCs in molecular etiopathogenesis. The odontogenic keratocyst (OKC) is a developmental odontogenic cyst that arises from remnants of the dental lamina. A case of an OKC treated with 5-FU is presented in this study. A brown-skinned male, 61-year-old, sought an Oral and Maxillofacial Surgery service. During the clinical examination no mucosal changes, bone expansion or face asymmetry were observed. A panoramic radiography was performed and a unilocular radiolucent lesion was verified in the body and ascending mandibular ramus. The extraction of #17 and incisional biopsy were performed, and the diagnosis established was OKC, according to the histopathological patterns. Therefore, it was decided to perform a marsupialization and 5-FU intralesional. As a result, it could be observed exuberant bone neoformation, mainly in the basilar region of the mandible. Follow-up examination 4 months later showed no evidence of recurrence and the patient will be followed for at least another year so we can decide if another surgical procedure is necessary.

Biography

Giulianna Lima Pinheiro is a student at Dentistry College, Rio de Janeiro State University, Brazil. She is also an intern at Galeão's Air Force Hospital and a Teaching Assistant at Dentistry College (Oral Diagnosis).

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