

***Canalis sinuosus* injury by dental implant: Case report**

Abstract

The canalis sinuosus is a rare anatomical variation that medially inclined between the nasal cavity and the maxillary sinus, reaching the premaxilla in the canine and incisor region. It is traversed by the anterior superior alveolar neurovascular bundle, being the nervous component a branch of the infraorbital nerve. While the infraorbital nerve is responsible for the sensitivity of the skin and mucosa of the middle third of the face, the anterior superior alveolar nerve is responsible for the sensitivity of the maxillary anterior teeth. When this canal is reached in surgical procedures, anterior superior alveolar nerve injury may occur, and the patient may suffer pain and / or paresthesia. The objective of this paper was to demonstrate the clinical significance of pointing out the existence and the location of this canal in imaging examinations in pre-surgical planning by presenting a case report of a 59-year-old female patient with gum pain and numbness in the upper lip after undergoing extraction and installation of immediate implants in the canine and upper lateral incisor regions.

Descriptors: Maxillary Nerve. Superior Alveolar Nerve. Anatomic Variation. Maxilla.

Lima ABB, Taleeb DOM, Rodrigues CD. Lesão do canal sinuoso por implante dentário: Relato de caso. R Odontol Planal Cent. 2020 Jan-Jun;10(1): 4-9.