

عنوان مقاله:

Alveolar Antral Artery: Review of Surgical Techniques Involving this Anatomic Structure

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خلاصه مقاله:

Introduction: The horizontal bony canal in the lateral maxillary wall is the site of anastomosis between the arterial branches from the posterior superior alveolar artery (PSAa) and the infraorbital artery. This anatomic structure is known as the 'alveolar antral artery'. **Materials and Methods:** We performed a literature review. The anatomic location of the alveolar antral artery in the lateral maxillary sinus wall was researched and its importance in surgical procedures routinely performed on this bony wall discussed. **Results:** This artery can be accidentally involved during surgical procedures on the lateral maxillary sinus wall, such as open sinus lift surgery, horizontal osteotomy of the maxilla, Le Fort I fracture treatment, and Caldwell-Luc surgeries. **Conclusion:** The alveolar antral artery is an important anatomic structure in the lateral maxillary sinus wall. A preoperative cone beam computed tomography (CBCT) scan can be used as a good diagnostic procedure to reduce surgical complications in suspected cases as well as conditions that may involve this artery.

کلمات کلیدی:

Artery, Open sinus lift, Caldwell-Luc, dental implant

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