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Platelet-Rich fibrin in treatment of central giant cell granuloma

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Background: Platelet-rich fibrin is a natural alternative used to reduce inflammation and improve the healing process. It has recently been used in dentistry for that purpose which shows low risks and favorable results.

Material and method: A patient aged 26 years old, had central giant cell granuloma in the left mandibular angle, the biopsy was collected before surgery to confirm the diagnosis. A flap was retracted and Lesion site was filled with patient's platelet that was previously taken from the patient's blood. The surgical site sutured and the patient instructed. The patient was followed up after a week, and 3 months.

Result: The result showed good bone and soft tissue healing with no operative or post-operative complications. After three months, the bone regeneration was great with no recurrence. The follow-up plane is still in progress.

Conclusion: The Platelet-rich fibrin can be used as an effective and satisfactory mean in the treatment of some oral pathologies among them central giant cell granuloma.

Biography

Tarek Ahmad Kasem acquired his BDS in 1995 and MDS in 2000 on Oral Maxillofacial Science. He is been working in Saudi Arabia since 2001 in Damascus University. He is a Chief of Dental Department in Al-Rass General Hospital, Ministry of Health, Saudi Arabia (2001-2006) and Oral maxillofacial specialist in Al-Rass General Hospital (2001-2018), also the Member in International Association of Oral Pathology and Dental Trauma. He has been covering On-Call Of Emergency Room and Clinic, all The Months Since 9 Years. Attended 10 asian conferences of oral maxillofacial surgery in 2010 and a course of implant in Malaysia noble biocare. Shared orthognathic surgery course and Course auto-tooth graft in south korea 2012 and a course in Bern University. Two case report articles are published in international journals of scientific and engineering research.

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