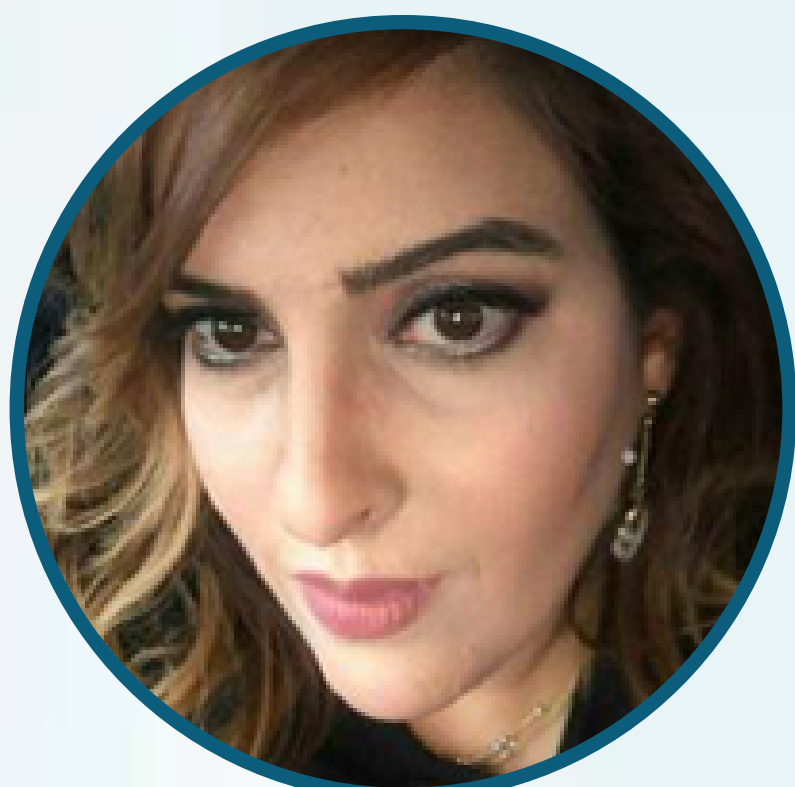


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Management of the Schneiderian membrane perforation in sinus lift procedure :a systematic review

Objective:

Our systematic review aimed to answer the question "How to manage a Schneiderian membrane perforation (SMP) following a lateral sinus lift?" Materials and Methods: This study was performed according to PRISMA guidelines. An electronic search of articles published between 2002 and August 30, 2022 in three databases: The National Library of Medicine (MEDLINE/PubMed), Google Scholar and Cochrane Central Register of Controlled Trials (CENTRAL) was performed. Results: 31 articles respecting the inclusion criteria were analyzed. A total of 7548 sinus lift surgeries were performed in 6605 patients. A total of 9384 implants were placed under previously punched and repaired membranes, or under sinus membranes that were not damaged during surgery, resulting in an implant survival rate of 93.12%. The SMP rate found in our systematic review was 24.12%. In the articles reviewed, the most widely used technique for repairing perforated membranes was the use of collagen membranes if it does not exceed 10mm, but if the PMS was over 10mm many procedures can be used as the amnion-chorion membrane

Conclusion:

The PSM during lateral sinus-lift procedures is not a risk factor for the survival of the dental implant if it does not exceed 10mm. Knowing the exact size of the membrane perforation is essential in deciding the appropriate treatment plan

Keywords: Schneiderian membrane perforation, bone augmentation, sinus lift, dental implants

Biography:

Dr. Faten Khanfir, is an Associate Professor of anatomy at dental faculty of monastir /monastir university she practices implantology in outpatient and implantology department of university hospital clinic of odontology of monastir Tunisia She obtained the international professional diploma in advanced oral implantology from university of frederico II Napoli since 2018 She is responsible of the complementary study certificate of advanced implantology at the dental faculty of monastir and she is also member of the Oral Health and Oro-Facial Rehabilitation Research Laboratory LR12ES11) She holds the position of treasurer of Tunisian odontological association of research and studios in Oro-Facial surgery