# The Protection of the Schneiderian Membrane

Medicipio® C Fleece



Regeneration

## The Protection of the Schneiderian Membrane

Various techniques are described in the literature, either by crestal or lateral approach. Sinus augmentation has a high percentage of success, but presents a number of intraoperative and postoperative complications. The most frequent complication is the Schneiderian membrane perforation with a percentage of perforations between 11% and 56% according to authors. The aim of this study is to describe another membrane approach technique for the sinus lateral wall that minimizes the risk of Schneiderian membrane perforation.

#### The objective

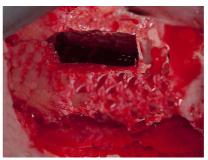
The aim of this case report is to describe another membrane approach technique for the sinus lateral wall that minimizes the risk of Schneiderian membrane perforation using the Medicipio<sup>®</sup> C Fleece 22x27mm.

### Treatment of the Sinus in order to protect the Schneiderian Membrane



A bone window is prepared.

Careful detachment of the Schneiderian membrane, basal, medial, cranial and dorsal, with a special set of instruments (e.g. sinus elevator).



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Placement of the Medicipio<sup>®</sup> C Fleece 22x27mm

References: - Hernández-Alfaro F, Torradeflot MM, Marti C. Prevalence and management of Schneiderian membrane perforations during sinuslift procedures.

Clin Oral Implants Res. 2008;19:91-8.

- Ardekian L, Oved-Peleg E, Mactei EE, Peled M. The clinical significance of sinus membrane perforation during augmentation of the
- maxillary sinus. J Oral Maxillofac Surg. 2006;64:277-82.

- Pikos MA. Maxillary sinus membrane repair: report of a technique for large perforations. Implant Dent. 1999;8:29-34.

- Wallace SS, Mazor Z, Froum SJ, Cho SC, Tarnow DP. Schneiderian membrane perforation rate during sinus elevation using piezosurgery: clinical results of 100 consecutive cases. Int J Periodontics Restorative Dent. 2007;27:413-9.

- Proussaefs P, Lozada J, Kim J, Rohrer MD. Repair of the perforated sinus membrane with a resorbable collagen membrane: a human study.

Int J Oral Maxillofac Implants. 2004;19:413-20. - Viña-Almunia J, Peñarrocha-Diago M, Peñarrocha-Diago M. Influence of perforation of the sinus membrane on the survival rate of implants placed after direct sinus lift. Literature update. Med Oral Patol Oral Cir Bucal. 2009;14:E133-6.

- Romanos GE. Window preparation for sinus lift procedures: a simplified technique. Implant Dent. 2008;17:377-81.

- Zijderveld SA, Van den Bergh JP, Schulten EA, Ten Bruggenkate CM. Anatomical and surgical findings and complications in 100 consecutive maxillary sinus floor elevation procedures. J Oral Maxillofac Surg. 2008;66:1426-38.

- Raghoebar GM, Batenburg RH, Timmenga NM, Vissink A, Reintsema H. Morbidity and complications of bone grafting of the floor of the maxillary sinus for the placement of endosseous implants. Mund Kiefer Gesichtschir. 1999;3Suppl 1:S65-9.