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Sinus-lift ways and types of sinus augmentation and use of piezo-surgery device for fenestration of sinus maxillaries

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Background: A special form of reconstruction of bone, especially changing the vertical structure of the maxillary sinus floor in the upper jaw and the establishment of the mucous membranes of sinusitis purpose of dental implant is called sinus-lift. Distance-maxillary sinus is often so low that an implant cannot be included stable long enough. With the incorporation of bone material or bone grafting, maxillary sinus floor, 'grow' and that this level can be implanted safe. Sinus-lift distinguishes extern and intern.

Purpose: The purpose of this paper is to show how we can perform fenestration of sinus without damaging the membrane of the maxillary sinus mucosa respectively. So it is very important that the membrane without damaging the remains to preserve the anatomical structure of sinusitis and its airspace.

Material & Methods: Cutting the bone from the piezo-surgery without damaging the soft tissue in surgery is a challenge, especially to compensate for the loss of bone extensive alveolar process. Implantologs use various techniques to increase augmentation bone-grafting. Piezotom enables the implementation of sophisticated procedures as osteotomic, osteoplastic for the opening of the jaw in sagital direction or elevation of the membranes of the maxillary sinus. With the 28-36 kHz, the frequency is chosen so that ultrasound piezotom acts exclusively in the solid tissues.

Conclusions: Once that is done, elevation of the sinus membrane follows its partial filling of the bone material in order to rebuild the bone. Good access of additional instruments and limiting the amplitude of vibration work together for more accurate cutting of bone.

Biography

Bardul Recani, DDS, MS, PhD, has completed his PhD in 2014 from University of Zagreb School of Dental Medicine in Croatian and Post-doctoral studies from University School of Dental Medicine in Munich, also Master of Dental Implantology at the Danube University of Krems in Austria. He is the Leader of AAZ-Private Dental Clinic in Aarau in Switzerland. He has published more than 15 papers in reputed journals and has been serving as an Editorial Board Member of repute.

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