

Consensus on maxillary sinus complications in implant dentistry

Prof. Yong Dae Kwon

Prof. Jeong Joon Han

The maxillary sinus is an important anatomical structure to consider during implant treatment, as complications related to the maxillary sinus are among the most frequently occurring issues in implant procedures. It is crucial to successfully manage these complications when they arise to ensure functional and aesthetic recovery. In addition, efforts must be made to prevent such complications.

As an initial step, during the preoperative diagnostic phase, it is essential to accurately identify any abnormal findings within the patient's maxillary sinus and conduct an evaluation and pre-treatment of these findings if necessary. We will explore the various diseases that can occur within the maxillary sinus and the considerations necessary during surgery. Maxillary sinus bone grafting can be divided into the crestal approach and the lateral approach. To prevent complications following sinus bone grafting, a thorough understanding of the indications, advantages, and disadvantages of each approach is necessary. Based on this, it is crucial to establish an optimal sinus bone grafting plan that considers the anatomical characteristics in a patient-specific and site-specific manner.

Furthermore, preparing in advance for potential complications during surgery and methods for managing them if they occur is also essential. Despite our efforts to prevent complications before and during surgery, we sometimes experience perforation of the sinus membrane, displacement of implants and graft materials into the sinus, and resultant infections and inflammation within the sinus. Today's presentation will also explore various case studies of maxillary sinus complications, along with strategies for management and the treatment process.

Profile

- * DMD, MSD, PhD, FIBCSOMS
- * ITI fellow, ITI Section of Korea
- * AP regional faculty, AOCMF
- * Present) Professor and Chair, Dept. of Oral and Maxillofacial Surgery, Center for Refractory Jawbone Diseases
- * Present) Vice Dean, Research Affairs, Kyung Hee University School of Dentistry

Profile

- * School of Dentistry, Seoul National University DDS, MSD, PhD.
- Intern, Resident, Dept. of Oral and Maxillofacial Surgery, Seoul National University Dental Hospital
- * Clinical Fellow, Dept. Oral and Maxillofacial Surgery, Seoul National University Dental Hospital
- * Clinical Fellow, Dept. Oral and Maxillofacial Surgery, Chonnam National University Hospital
- * Clinical Professor, Dept. Oral and Maxillofacial Surgery, Chonnam National University Hwasun Hospital
- * Assistant Professor, Dept. Oral and Maxillofacial Surgery, School of Dentistry, Chonnam National University
- * Clinical Professor, Dept. Oral and Maxillofacial Surgery, Seoul National University Dental Hospital
- * Present) Assistant Professor, Dept. Oral and Maxillofacial Surgery, School of Dentistry, Seoul National University