DESCRIPTION

Maxillary sinus elevation, followed by placement of a wide variety of grafting materials, has been the generally accepted surgical protocol for the development of bone in the sinus cavity. Over the years, various techniques have been proposed for maxillary sinus elevation, which differ in surgical approach, bone graft materials, and advanced technology application for hard tissue and soft tissue management.

Dr. Kao and a team of experts begin by discussing anatomy, radiographic image applications and limitations, and then provide step-by-step clinical procedures for the lateral window technique, including piezosurgery, and the trans-alveolar methods, including balloon and controlled hydostatic sinus elevation. Also included are chapters on post-operative care and complication management.

ABOUT THE AUTHOR

Dr. Daniel W.K. Kao is the CEO of Washington Dental Group and also a clinical assistant professor of periodontics at University of Pennsylvania School of Dental Medicine. Dr. Kao is also a Diplomate of the American Board of Periodontology. His research interests include the clinical applications of growth factors (BMP, PDGFs), the relationship of systemic disease and periodontal disease, and dental implant studies. Dr. Kao lectures at dentistry conferences both nationally and internationally.
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