


Edition: 3rd Edition 2019  
 pages: 288  
 Images: 948  
 Cover: Hardcover, 21,6 x 27,9 cm  
 ISBN: 978-0-86715-791-8  
 Stock No.: B7918  
 Published: February 2019

Price \$68.00  
 Subject to changes!

**Quintessence Publishing Company, Inc.**

 411 North Raddant Road  
 Batavia  
 Illinois IL 60510  
 United States of America

 +1 (0)630 / 736-3600

 +1 (0)630 / 736-3633

 [contact@quintbook.com](mailto:contact@quintbook.com)

 <https://www.quintessence-publishing.com/usa/en>

## Book information

**Editor:** Jensen, Ole T.  
**Title:** The Sinus Bone Graft  
**Short text:**

As research proceeds on treatment of the resorbed posterior maxilla, new techniques and innovations continue to be adopted to solve this clinical problem. While the previous edition of this book provided detailed information on the types of grafting materials and procedures available at the time, this completely revised version looks to the future with new strategies for treatment, some of which avoid grafting altogether. This book not only reviews the time-tested lateral window approach for sinus elevation and grafting but also describes a variety of techniques to approach the sinus transcrestally, with or without grafting material. One section of the book is devoted entirely to the different types of implants and implant placement techniques available, many of which are designed specifically to avoid sinus elevation. In addition to clinical case studies and descriptions of how to perform specific surgical procedures, this book includes discussions on the science of bone formation and how continued research brings us closer every day to the ultimate goal of using tissue engineering to completely regenerate new teeth.

### Contents

#### Section I: Surgical Options for Bone Grafting

Chapter 01. Bone Grafting Strategies for the Sinus Floor  
 Chapter 02. Diagnosis and Treatment of Sinus Infections  
 Chapter 03. Osteoperiosteal Flaps for Sinus Grafting  
 Chapter 04. The Alveolar Split Approach for Sinus Grafting  
 Chapter 05. Complex Techniques for Posterior Maxillary Reconstruction

#### Section II: Lateral and Transcrestal Sinus Elevation

Chapter 06. Lateral Window Surgical Techniques for Sinus Elevation  
 Chapter 07. Sinus Floor Augmentation Without Bone Graft  
 Chapter 08. Intraoperative Complications with the Lateral Window Technique  
 Chapter 09. Transcrestal Window Surgical Technique for Sinus Elevation  
 Chapter 10. Transcrestal Sinus Augmentation with Osseodensification  
 Chapter 11. Transcrestal Hydrodynamic Piezoelectric Sinus Elevation

#### Section III: Implant Placement in the Resorbed Posterior Maxilla

Chapter 12. Lateral and Transcrestal Bone Grafting with Short Implants  
 Chapter 13. Transsinus Implants  
 Chapter 14. Guided Extrasinus Zygomatic and Pterygoid Implants  
 Chapter 15. Navigation for Transsinus Placement of Zygomatic Implants  
 Chapter 16. Arch-Length Threshold for Using Zygomatic Implants  
 Chapter 17. Pterygoid Implants  
 Chapter 18. The Nazalus Implant  
 Chapter 19. Ultrawide Implants in Molar Sites  
 Chapter 20. Restoration and Abutment Options

#### Section IV: Evolution and Innovations in Maxillary Bone Regeneration

Chapter 21. The Sinus Consensus Conference: Results and Innovations  
 Chapter 22. Sharpey Fiber Biologic Model for Bone Formation  
 Chapter 23. Using BMP-2 to Increase Bone-to-Implant Contact  
 Chapter 24. Tissue-Engineered Bone and Cell-Conditioned Media  
 Chapter 25. Tissue Engineering of the Dental Organ for the Posterior Maxilla

**Categories:** Implantology, Oral/Maxillofacial Surgery, Oral Surgery