



Edition: 1st Edition 2010
pages: 320
Images: 911
Cover: Hardcover
ISBN: 978-0-86715-418-4
Stock No.: 18311
Published: March 2010

Quintessenz Verlags-GmbH

 Ifenpfad 2-4
 12107 Berlin
 Germany

 +49 (0) 30 / 76180-5

 +49 (0) 30 / 76180-680

 info@quintessenz.de

 <http://nginx/deu/de>

Book information

Editor: Jensen, Ole T.

Title: The Osteoperiosteal Flap

Subtitle: A Simplified Approach to Alveolar Bone Reconstruction

Short text:

This elaborately illustrated and concisely written book takes a fresh look at alveolar bone reconstruction, positing that the vitality of the gingiva-alveolus-implant complex is more important than simple implant longevity. With the use of osteoperiosteal flaps, the surgeon manipulates available bone to recover what is missing in a very specific way: endosteally. This relatively closed wound approach seems to spontaneously activate the epigenetic signal within the gingivoalveolar complex, and the augmentation develops in a manner analogous to primordial growth. Soft tissue generally follows suit, and implant therapy can commence, creating a functional gingiva-alveolus-implant matrix. Once mastered, bone flaps can almost entirely eliminate the need for block grafting or guided bone regeneration. The culmination of many years of clinical research independently conducted by experts around the world, this volume presents procedures for various osteoperiosteal flaps that are not only easy to learn but result in significantly fewer complications and a more vital alveolar reconstruction. It is intended for the "wet finger" clinician—the private practitioner, who must use techniques that work consistently, minimize morbidity, and are simple and relatively quick to perform. The osteoperiosteal flap, in its various permutations, fulfills these criteria beautifully.

Contents

Section I. Biologic Rationale

Chapter 01. Biologic Basis of the Osteoperiosteal Flap

Chapter 02. A New Biologic Classification of Bone Augmentation

Section II. Distraction Osteogenesis Techniques

Chapter 03. Alveolar Distraction Osteogenesis

Chapter 04. Supraperiosteal Transport Distraction Osteogenesis

Chapter 05. Rapid Alveolar Expansion of Osteoperiosteal Flaps

Section III. Pedicled Segmental Osteotomy Techniques

Chapter 06. Book Bone Flap

Chapter 07. Island Osteoperiosteal Flap

Chapter 08. Internal Alveolar Split Bone Graft

Chapter 09. Sandwich Osteotomy Bone Graft in the Anterior Maxilla

Chapter 10. Sandwich Osteotomy Combined with Extraction Socket Bone Graft

Chapter 11. Sandwich Osteotomy Bone Graft in the Anterior Mandible

Chapter 12. Smile Osteotomy

Chapter 13. Sinus Graft Combined with Osteoperiosteal Flaps

Chapter 14. Maxillary Alveolar Split Horseshoe Osteotomy

Chapter 15. Sinus Floor Intrusion as a Vascularized Osteoperiosteal Flap

Section IV. Restorative Techniques

Chapter 16. Alveolar Design by Stereolithography

Chapter 17. Esthetically Driven Prosthetic Management of Osteoperiosteal Flaps

Chapter 18. Esthetically Driven Surgical and Prosthetic Management of Alveolar Distraction Osteogenesis

Chapter 19. Recombinant Protein Application for Bony and Periodontal Augmentation

Chapter 20. Dental Implant Repositioning by Osteotomy in the Esthetic Zone

Section V. Developing Technologies

Chapter 21. Osteoperiosteal Tissue-Engineered Injectable Bone

Chapter 22. De Novo Tooth Engineering to Replace Lost Teeth

Categories: Implantology, Periodontics