



Edition: 1st Edition 2010
 pages: 320
 Images: 911
 Cover: Hardcover
 ISBN: 978-0-86715-418-4
 Published: March 2010

Quintessence Publishing Company, Inc.

411 North Raddant Road
 IL 60510 Batavia
 United States of America

+1 (0)630 / 736-3600

+1 (0)630 / 736-3633

contact@quintbook.com

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

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