



**Edition:** 1st Edition 2024  
**pages:** 408  
**Images:** 1360  
**Cover:** Hardcover; 21.4 x 29 cm; incl 14 Videos

**ISBN:** 978-88-7492-096-9

**Stock No.:** BI043

**Published:** May 2024

**Price**

\$182.40

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

http://nginx/usa/en

# Book information

**Editor:** Rossi, Roberto

**Title:** Building Better Bone

**Subtitle:** A Comprehensive Guide to GBR techniques

**Short text:**

The idea for this book was conceived at a critical time for humanity, during the lockdown following the Covid 19 pandemic. An international group of fellow clinicians set out to create a book to analyze all aspects of a common problem in implant dentistry: the loss of one or more teeth, and the subsequent physiologic resorption of both hard and soft tissue. Defects resulting from tooth loss can be treated in several different ways, with similar but different surgical techniques, materials, and methods. GBR is an approach that has been around for over 30 years, during which time we have learnt its pros and cons. Understanding how to select the optimal GBR technique ensures reduced risks for patients and clinicians alike. This book is intended to be a "recipe manual" for how to help build better bone, and includes varied protocols representing the state of the art in modern dentistry, without commercial bias. The book is also enriched by 14 videos that provide detailed explanations of the techniques adopted, and each chapter illustrates expert recommendations for optimizing the techniques presented.

**Contents**

- Chapter 01. Guidelines and Scientific Background of GBR
- Chapter 02. Wound healing: from basic mechanisms to soft tissue healing in oral surgery
- Chapter 03. Classification and Guidelines for Treatment of Bony and Soft Tissue Defects
- Chapter 04. Fresh extraction socket management: thinking in and out of the box
- Chapter 05. Osseodensification for ridge expansion: clinical protocols and case reports
- Chapter 06. Resorbable and nonresorbable membranes
- Chapter 07. Rationale for the use of autogenous grafts, alloplasts, and xenografts
- Chapter 08. Autogenous Bone Grafting in the Posterior Edentulous Mandible with the Khoury Technique: Indications, Contraindications, and Limitations
- Chapter 09. Innovative Autogenous Bone Grafting Techniques
- Chapter 10. Use of heterologous lamina in the esthetic zone: site specific treatment options depending on site morphology
- Chapter 11. Occlusive titanium barriers for GBR
- Chapter 12. Cortical lamina xenogeneic bone membrane: indications, contraindications, and limitations
- Chapter 13. Cortical lamina in horizontal and anterior defects: the multilayer technique
- Chapter 14. Fibrinogen-Induced Regeneration Sealing Technique (F.I.R.S.T.)
- Chapter 15. Use of cortical laminas for bone layering and bone-into-bone techniques
- Chapter 16. Osteodistraction for ridge augmentation: principles, indications, and contraindications
- Chapter 17. GBR for maxillofacial and congenital defects
- Chapter 18. Digital vertical and horizontal bone block grafting
- Chapter 19. Immune modulation with calcium phosphate alloplast. up-regulated, membrane free host bone regeneration
- Chapter 20. Using digital dentistry to build soft and hard tissues for function and esthetics
- Chapter 21. Evolution of xenogeneic bone membranes: flex cortical sheet
- Chapter 22. Digitally assisted soft tissue and bone sculpting for PK1 (pink-free) full arch prosthesis
- Chapter 23. Magnesium: the next generation of biomaterials in regenerative dentistry
- Chapter 24. Oxidative stress and osteoimmunology: the two missing pieces of the oral

osseointegration puzzle

**Authors include:**

Antonio Barone • Joseph Choukroun • Salvatore D'Amato • Peter J.M. Fairbairn •  
Edoardo Foce • Filippo Fontana • Vincenzo Foti • Howard Gluckman • Andrea Grassi •  
Arndt Happe • Salah Huwais • Giovanna Iezzi • Eugenio Longo • Michele Antonio Lopez  
• Hassan Maghaireh • Fabio Perret • Adriano Piattelli • Andrea Piloni • Alessandro Pozzi  
• Lorena Rispoli • Roberto Rossi • Paul Leonhard Schuh • Giorgio Tabanella • Hannes  
Wachtel

**Categories:** [Implantology, Oral Surgery](#)