



**Edition:** 2nd Edition 2022  
**pages:** 624  
**Images:** 2500  
**Cover:** Hardcover; 21,6 x 28 cm  
**ISBN:** 978-0-86715-952-3  
**Stock No.:** 23131  
**Published:** January 2022  
**Price** 75,00 €  
 Subject to changes!

#### Quintessenz Verlags-GmbH

📍 Ifenpfad 2-4  
 12107 Berlin  
 Germany

☎ +49 (0) 30 / 76180-5

📠 +49 (0) 30 / 76180-680

✉ info@quintessenz.de

🌐 <https://www.quintessence-publishing.com/deu/de>

## Book information

**Editor:** Beumer III, John / Faulkner, Robert F. / Shah, Kumar C. / Wu, Benjamin M.

**Title:** Fundamentals of Implant Dentistry

#### Short text:

This book has it all, and can truly be considered the definitive implant prosthodontic textbook. Like its predecessor, it functions as both a textbook for students and a dental reference for practitioners. The authors aim to provide a prosthodontic perspective to the various aspects of implant treatment, from the biologic mechanisms of osseointegration to implant design and configuration, to maintenance and management of complications. Organized into four sections, the book systematically takes the reader through the foundational principles of implant dentistry, to evaluation and restoration through a variety of clinical situations, and into more specialized topics and treatment scenarios. In addition, a downloadable illustrated glossary is available for easy reference. Emerging digital technologies and materials used to design and fabricate implant prostheses are an important focus, as are implant positioning, angulation, and spacing for each situation. Designs of implant-assisted overdentures are described in detail as well as the various bone and soft tissue enhancement procedures currently in use, particularly in patients with unfavorable periodontal biotypes. The book also focuses on the importance of interdisciplinary treatment in providing safe and effective results, making it a must-have to complete any dental library.

#### Contents

##### Section I: Foundational Principles

Chapter 01. History and Biologic Foundations  
 Chapter 02. Osseointegration, Its Maintenance, and Recent Advances in Implant Surface Bioreactivity  
 Chapter 03. Implant Biomechanics, Screw Mechanics, and Occlusal Concepts for Implant Patients  
 Chapter 04. Contemporary Implant Materials  
 Chapter 05. Digital Technologies and Implant Dentistry

##### Section II: Restoration of Edentulous Patients

Chapter 06. Edentulous Patients: Patterns of Bone Resorption and Clinical Outcomes with Implants  
 Chapter 07. Restoration of Edentulous Mandibles with Overdentures  
 Chapter 08. Restoration of Edentulous Mandibles with Fixed Prostheses  
 Chapter 09. Restoration of Edentulous Maxillae with Implant-Retained Overdentures  
 Chapter 10. Restoration of Edentulous Maxillae with Fixed Prostheses

##### Section III: Restoration of Partially Edentulous Patients

Chapter 11. Restoration of the Posterior Quadrants of Partially Edentulous Patients: Basic Principles and Patient Selection  
 Chapter 12. Restoration of the Posterior Quadrants: Examination, Workup, and Prosthodontic Procedures  
 Chapter 13. Restoration of Single-Tooth Defects in the Esthetic Zone  
 Chapter 14. Restoration of Multiple-Tooth Defects in the Esthetic Zone

##### Section IV: Special Topics

Chapter 15. Implants and Removable Partial Dentures  
 Chapter 16. Implants for the Growing Child  
 Chapter 17. Implants in Irradiated Tissues, Osteoporosis Patients, and Patients Treated with Bisphosphonates  
 Chapter 18. Implants and Orthodontics: A Symbiotic Partnership

Chapter 19. Basic Fundamentals of Implant Surgery

Chapter 20. Follow-up, Maintenance, Complications, and Troubleshooting

### **Contributors**

Jaafar Abduo • Nadim AbouJaoude • Basil Al-Amleh • Momen Atieh • Nabil J. Barakat •  
Abdullah Barazanchi • John Beumer III • Ting-Ling Chang • Aria Davodi • Moustafa El-  
Ghareeb • Mauro Farella • Robert F. Faulkner • Fiona Firth • Neal Garrett • Suzanne M.  
Hanlin • Jay Jayanetti • Nora Kahenasa • Haim Keren • Julia Keren • Mohamed Moataz  
Khamis • Perry R. Klokkevold • David Krill • Kai Chun Li • Robert M. Love • Karl M. Lyons  
• Sunyoung Ma • Ichiro Nishimura • Takahiro Ogawa • Daniela Orellana • Alessandro  
Pozzi • Roy Sabri • Donald R. Schwass • Pravej Serichetaphongse • Kumar C. Shah •  
Arun B. Sharma • Eric Sung • Andrew Tawse-Smith • Darryl C. Tong • Neil Waddell •  
Chandur Wadhvani • Benjamin M. Wu

### **Categories:**

[Implantology, Prosthodontics, Student literature](#)