



Edition: 1st Edition 2025  
pages: 250  
Images: 340  
Cover: Hardcover; 21.6 x 27.9 cm  
ISBN: 978-1-64724-200-8  
Expected Publication: June 2025

#### Quintessence Publishing Company, Ltd.

 Grafton Road  
KT3 3AB New Malden, Surrey  
United Kingdom

 +44 (0)20 8949 6087

 +44 (0)20 8336 1484

 [info@quintpub.co.uk](mailto:info@quintpub.co.uk)

 <http://nginx/gbr/en>

## Book information

**Authors:** Corrado Piconi / Mutlu Özcan  
**Title:** Zirconia  
**Subtitle:** Material Properties and Surgical Principles for Dental Implants and Restorations

#### Short text:

Ceramic implants mark a turning point in the field of dental implantology. Zirconia can offer not only remarkable biocompatibility and esthetics but also exceptional strength and durability. Titanium has long been considered the gold standard, but under the right indications, zirconia can truly be the superior choice. Patients have higher esthetic expectations than ever before, and some want to avoid introducing metals into their bodies. This text covers the biomechanical and biologic properties of ceramic dental materials, the challenges that remain in the field, and practical considerations such as material selection and surgical implementation, so you can confidently meet the diverse needs and wants of every patient who walks through your door.

#### Contents

Chapter 01. Ceramics as Dental Biomaterials  
Chapter 02. Zirconia in Dentistry  
Chapter 03. Reliability, Long-Term Behavior, and Mechanical Properties of Zirconia Ceramics  
Chapter 04. Processing Zirconia Dental Implants  
Chapter 05. Biologic Aspects of Zirconia  
Chapter 06. Biomechanics of Dental Implants  
Chapter 07. Hard and Soft Tissue Responses to Zirconia Implants  
Chapter 08. One- and Two-Piece Zirconia Implant Designs  
Chapter 09. Rationale for Using Zirconia Dental Implants  
Chapter 10. Guided Surgical Techniques  
Chapter 11. Ceramic Restorative Materials for Zirconia Dental Implants  
Chapter 12. Case Reports from European Society for Ceramic Implantology Members

**Categories:** Implantology, Periodontics