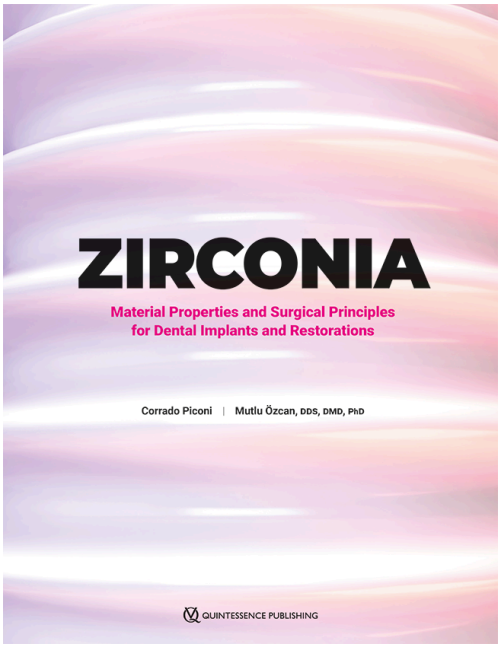
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Book information

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

1. Ceramics as Dental Biomaterials
2. Zirconia in Dentistry
3. Reliability, Long-Term Behavior, and Mechanical Properties of Zirconia Ceramics
4. Processing Zirconia Dental Implants
5. Biologic Aspects of Zirconia
6. Biomechanics of Dental Implants
7. Hard and Soft Tissue Responses to Zirconia Implants
8. One- and Two-Piece Zirconia Implant Designs
9. Rationale for Using Zirconia Dental Implants
10. Guided Surgical Techniques
11. Ceramic Restorative Materials for Zirconia Dental Implants
12. Designing Zirconia Frameworks
13. Case Reports from the European Society for Ceramic Implantology

Categories: Implantology, Periodontics