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## Buch-Information

**Autor(en):** Kelly, J. Robert  
**Titel:** Ceramics in Dentistry  
**Untertitel:** Principles and Practice

### Kurztext:

The use of ceramics in dentistry holds enormous potential for restoring dentitions, but ceramics can be difficult to master because of the common problems of chipping and fracture. This book unlocks the mystery behind successful use of dental ceramics and lays bare the science behind this high technology. The author shows how and why fracture occurs and explains why choosing the right material, design and processing method are vital to the success of any ceramic restoration and why certain ceramic systems are most suitable for certain clinical situations. The author also details how to achieve esthetic excellence without compromising strength. The book concludes with a chapter on the use of ceramics in implant dentistry and how CAD/CAM technology can be used to revolutionize this field. Thumbnails featured throughout point to extra online content.

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Chapter 1. Introduction to Ceramics in Dentistry—Where Did This Stuff Come From?  
Chapter 2. Ceramics 101: What Is This Stuff Anyway?  
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Chapter 6. Getting It Right: Basic Requirements for an Esthetically Successful Outcome  
Chapter 7. Structural Ceramics in Implant Dentistry

### Author

J. Robert Kelly, DDS, MS, DMedSc, teaches graduate prosthodontics and biomaterials at the University of Connecticut Health Center in Farmington, Connecticut. This follows a 21-year career with the US Navy, culminating in a tour as Commanding Officer, Naval Dental Research Institute. Dr Kelly earned his DDS from The Ohio State University, an MS in dental materials science from Marquette University, and a DMedSc in oral biology and a certificate in prosthodontics from Harvard/MIT. He is the incoming chairman of the ADA Standards Committee on Dental Products, president of the Academy of Dental Materials, and past president of the American Academy of Fixed Prosthodontics, and he has received awards for biomedical research (Harvard), for research and postgraduate education (Association of Military Surgeons of the US), and as a clinician/scholar (American College of Prosthodontists). Dr Kelly has contributed to the dental,

engineering, and medical literature, holds eight patents, frequently lectures before national and international dental and engineering organizations, still does some of his own porcelain, and keeps his fingers wet practicing prosthodontics.

**Fachgebiet(e):** Ästhetische Zahnheilkunde, Prothetik,  
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