



Edition: 1st Edition 2014
pages: 296
Images: 734
Cover: Hardcover
ISBN: 978-0-86715-639-3
Stock No.: B6393
Published: June 2014

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

 <https://www.quintessence-publishing.com/usa/en>

Book information

Editor: Ferencz, Jonathan L. / Silva, Nelson R. F. A. / Navarro, José M.

Title: High-Strength Ceramics

Subtitle: Interdisciplinary Perspectives

Short text:

Advances in materials science and digital technologies have revolutionized the field of ceramic-based restorative and implant dentistry. Forward-thinking clinicians and dental technicians must negotiate this rapidly changing landscape to determine which materials and technologies are validated by laboratory and clinical evidence, have the potential to improve patient outcomes, and are practical for clinical application. To provide insight into these issues, the editors of this book have assembled the talents of the various stakeholders in this field. International authorities from a variety of disciplines have come together to share expertise from the biomaterials, industry, clinical, and laboratory perspectives. The result is a comprehensive reference on all-ceramic technology that combines thoughtful analysis of the state of the science with practical clinical advice for dentists and laboratory technicians alike. This book will provide readers with the tools to judge the research presented in the literature and incorporate best practices and advances in materials and technology into their armamentarium in a way that will benefit their patients.

Contents

Chapter 01. Challenges in Engineering and Testing of Bioceramics
Chapter 02. The Role of Industry in Developing New Ceramics
Chapter 03. Practice-Based Research on the Effectiveness of Ceramics
Chapter 04. Posterior Partial-Coverage Restorations: Inlays and Onlays
Chapter 05. Individual Ceramic Crowns for Teeth
Chapter 06. Ceramic Veneers
Chapter 07. Fixed Dental Prostheses for Anterior and Posterior Teeth
Chapter 08. Ceramic Applications to Restore Implants
Chapter 09. Cementation Procedures for Ceramics
Chapter 10. Monolithic Zirconia Complete-Arch Reconstructions
Chapter 11. Successful Ceramic Application on Various Substructures
Chapter 12. Ceramic Dental Implants
Chapter 13. Digital Workflow in Reconstructive Dentistry

Contributors

W. Att • E. A. Bonfante • T. G. Bromage • M. A. Calamita • M. Calgaro • V. Clavijo • W. Clavijo • C. Coachman • P. G. Coelho • R. G. da Costa • E. Van Dooren • M. Girard • G. Gürel • P. C. Guess • R. Gottlander • S. Gracis • E. Grob • M. Kern • R. Kohal • K. A. Malament • S. Morimoto • I. Sailer • M. Sisera • J. R. Strub • M. V. Swain • V. P. Thompson • G. W. Tysowsky

Categories: Esthetic Dentistry, Prosthodontics, Dental Technology