



Edition: 1st Edition 2025
pages: 500
Images: 1070
Cover: Hardcover; 21 x 28 cm
ISBN: 978-1-78698-150-9
Expected Publication: June 2025

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: Pontius, Oliver Johannes

Title: Treatment Concepts for Successful Endodontic Therapy

Short text:

This comprehensive guide, edited by Dr Oliver Pontius and co-authored by leading experts in the field, has been designed for dental practitioners and postgraduate students. It provides a comprehensive and up-to-date overview of endodontic knowledge and techniques, offering a valuable resource for professionals in the field. From understanding biologic processes and diagnosing pulpal pathologies to mastering advanced procedures such as rotary instrumentation, cone beam computed tomography, and microsurgical endodontics, every chapter is enhanced with clear visuals, clinical protocols, and cutting-edge research. This textbook provides the tools you need for predictable and successful outcomes in modern endodontics. It offers guidance on a wide range of procedures, including the treatment of vital pulps, management of complex retreatments, and restoration of endodontically treated teeth

Contents

Part A. The Science of Endodontics

Chapter 01. Keeping the Pulp Alive with Pulp Capping And Pulp Chamber Pulpotomy
Chapter 02. Microbiology of Endodontic Infections
Chapter 03. Understanding and Managing Apical Periodontitis
Chapter 04. Cell-based and Cell-free Regenerative Endodontics

Part B. Diagnosis

Chapter 05. Endodontic Diagnosis
Chapter 06. Radiology of Apical Periodontitis, Differential Diagnosis of Nonodontogenic Cystic Lesions
Chapter 07. Differential Diagnosis of Orofacial Pain

Part C. Advances in Materials and Technology

Chapter 08. NiTi Instruments in Endodontics
Chapter 09. Calcium Silicate-based Hydraulic Cements in Endodontics

Part D. The Practice of Endodontics

Chapter 10. The Aseptic Working Field
Chapter 11. Endodontic Emergencies
Chapter 12. Cleaning and Shaping Root Canal Systems
Chapter 13. Irrigation and Disinfection of the Root Canal System
Chapter 14. Lasers for Root Canal Cleaning and Disinfection
Chapter 15. Philosophy of Filling Roots
Chapter 16. Carrier-based Obturation
Chapter 17. Endodontic Retreatment
(a) Decision making in Endodontic Retreatment
(b) Endodontic Retreatment Procedures
(c) Predictable and Minimally Invasive Instrument Removal
Chapter 18. Microsurgical Endodontics
Chapter 19. Intentional Replantation
Chapter 20. Predictable Autotransplantation
Chapter 21. Traumatic Dental Injuries of Permanent Teeth
Chapter 22. Resorption of Permanent Teeth

Part E. Prognosis

Chapter 23. Factors Impacting the Outcomes of Nonsurgical Root Canal Treatments
Part F. Interdisciplinary Endodontics
Chapter 24. Maxillary Sinus Implications in Endodontics

Chapter 25. Endodontic–Periodontal Interaction

Chapter 26. The Endo–Restorative Interface

Chapter 27. Endodontics or Implants – Decisive Criteria and Guidelines for Single
Tooth Restorations and Full-arch Reconstructions

Chapter 28. Endodontic Medicine

Categories: [Endodontics](#)