



Edition:	1st Edition 2025
pages:	500
Images:	1070
Cover:	Hardcover; 21 x 28 cm
ISBN:	978-1-78698-150-9
Stock No.:	22561
Expected Publication:	June 2025

Quintessenz Verlags-GmbH

 Ifenpfad 2-4
12107 Berlin
Germany

 +49 (0) 30 / 76180-5

 +49 (0) 30 / 76180-680

 info@quintessenz.de

 <https://www.quintessence-publishing.com/deu/de>

Book information

Authors: Oliver Johannes Pontius

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](#)