



**Edition:** 2nd Edition 2022  
**pages:** 576  
**Images:** 717  
**Cover:** Hardcover; 21 x 28 cm  
**ISBN:** 978-1-78698-112-7  
**Published:** June 2022

#### KVM - Der Medizinverlag

📍 Ifenpfad 2-4  
12107 Berlin  
Germany

📞 +49 (0) 30 / 76180-5

📠 +49 (0) 30 / 76180-680

✉ [info@quintessenz.de](mailto:info@quintessenz.de)

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

## Book information

**Editor:** Siqueira, Jr, José F. / Rôças, Isabela N.

**Title:** Treatment of Endodontic Infections

#### Short text:

Apical periodontitis is one of the most common inflammatory diseases that affect humans and is caused by microbial infection of the dental root canal system. A thorough understanding of the etiology and pathogenesis of apical periodontitis is essential for high-quality endodontic practice based on a solid scientific foundation. The first section of this book deals with microbiologic and pathophysiologic aspects of the different manifestations of apical periodontitis, while the second section describes the best evidence for predictable treatment and prevention of the disease. Clinical techniques and protocols to treat endodontic infections are described in detail. This new edition boasts a team of renowned authorities in the field who contribute state-of-the-art evidence about the biology and practice of the endodontic treatment of teeth with infected root canals. The content is supplemented with numerous full-color illustrations and radiographs. This book is a definitive guide for those involved with the prevention and treatment of endodontic infections.

#### Contents

##### Section 1. – The infection

Chapter 01. Endodontic infections and the etiology of apical periodontitis – an overview  
Chapter 02. The invaders: bacterial biofilm communities and pathogenicity  
Chapter 03. The defense: host-pathogen interactions and immune response  
Chapter 04. The disease: clinical manifestations and pathophysiology of apical periodontitis  
Chapter 05. Primary endodontic infections  
Chapter 06. Persistent/secondary endodontic infections  
Chapter 07. Causes of endodontic treatment failure  
Chapter 08. Causes of post-treatment pain in Endodontics  
Chapter 09. Systemic implications of endodontic infections

##### Section 2. – The treatment

Chapter 10. Preventing endodontic infections  
Chapter 11. Controlling endodontic infections – an overview  
Chapter 12. Chemomechanical preparation  
Chapter 13. Mechanical aspects of irrigation determined by fluid dynamics in relation to disinfection of the root canal system  
Chapter 14. Supplementary disinfection of the root canal system  
Chapter 15. Root canal obturation  
Chapter 16. Nonconventional and emerging antimicrobials for root canal disinfection  
Chapter 17. Management of post-treatment apical periodontitis: non-surgical retreatment and periradicular surgery  
Chapter 18. Endodontic emergencies of infectious origin  
Chapter 19. Systemic antibiotics in endodontics  
Chapter 20. Outcomes of endodontic therapy

#### Contributors

Hacer Aksel • Adham A. Azim • Sebastian Bürklein • Gilberto Debelian • Ashraf F. Fouad • Kishor Gulabivala • Michael Hülsmann • Anil Kishen • Hélio P. Lopes • Jenifer Martín-González • Yuan-Ling Ng • Xenos Petridis • Domenico Ricucci • Isabela N. Rôças • Edgar Schäfer • Juan José Segura-Egea • José F. Siqueira, Jr • Luc van der Sluis

**Categories:** Endodontics