



Edition: 2nd Edition 2022  
pages: 576  
Images: 717  
Cover: Hardcover; 21 x 28 cm  
ISBN: 978-1-78698-112-7  
Stock No.: 7737  
Published: June 2022

Price **£172.00**  
Subject to changes!

#### Quintessence Publishing Company, Ltd.

 Grafton Road  
KT3 3AB New Malden, Surrey  
United Kingdom

 +44 (0)20 8949 6087

 +44 (0)20 8336 1484

 [info@quintpub.co.uk](mailto:info@quintpub.co.uk)

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

## 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