



Edition: 1st Edition 2016  
pages: 144  
Images: 493  
Cover: Hardcover, 21 x 28 cm  
ISBN: 978-1-85097-291-4  
Stock No.: 19981  
Published: March 2016

Price  
Subject to changes!

12,00 €

#### Quintessenz Verlags-GmbH

 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/deu/de>

## Book information

**Editor:** Patel, Shanon / Harvey, Simon / Shemesh, Hagay / Durack, Conor

**Title:** Cone Beam Computed Tomography in Endodontics

#### Short text:

Conventional radiography has well-documented limitations when it comes to endodontic diagnosis and treatment planning, and CBCT overcomes many of these limitations. However, its use is often underemphasized and misunderstood by clinicians familiar with the concepts of conventional radiography. This book provides an essential overview of CBCT, from the physics of radiation to the mechanics of the machine to the interpretation of images, thereby offering clinicians and students a sound foundation for using this modality. It also provides a comprehensive discussion of the many applications of CBCT in clinical endodontics, including assessment of anatomy, diagnosis of apical periodontitis, retreatment, trauma, resorption, and vertical fracture. Throughout, the authors emphasize proper case selection and include many references to provide an evidence-based approach and framework for the use of CBCT in endodontics.

#### Contents

Chapter 01. The Limitations of Conventional Radiography and Adjunct Imaging Techniques  
Chapter 02. Radiation Physics  
Chapter 03. Cone Beam Computed Tomography  
Chapter 04. Using CBCT: Dose, Risks and Artefacts  
Chapter 05. Dentoalveolar Anatomy  
Chapter 06. Assessment of Root Canal Anatomy  
Chapter 07. Apical Periodontitis  
Chapter 08. Non-surgical and Surgical Re-treatment  
Chapter 09. Traumatic Dental Injuries  
Chapter 10. Root Resorption  
Chapter 11. Vertical Root Fractures

**Categories:** Endodontics, Student literature