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## **Cone Beam Computed Tomography** in Endodontics



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# **Buch-Information**

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### **Kurztext:**

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.

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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 Fachgebiet(e): Endodontie, Literatur fürs Studium