



Edition: 2nd completely revised and expanded Edition 2014
 pages: 288
 Images: 523
 Cover: Hardcover incl. DVD-ROM
 ISBN: 978-1-85097-269-3
 Stock No.: BG110
 Published: August 2014

Quintessence Publishing Company, Inc.

411 North Raddant Road
 IL 60510 Batavia
 United States of America

+1 (0)630 / 736-3600

+1 (0)630 / 736-3633

contact@quintbook.com

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

Book information

Authors: Jörg Neugebauer / Joachim E. Zöller
Title: Cone Beam Volumetric Imaging in Dental, Oral and Maxillofacial Medicine
Subtitle: Fundamentals, Diagnostics and Treatment Planning
Short text:

Cone beam volumetric imaging (CBVI) has become an indispensable part of dentistry. Quintessence's standard reference book on CBVI has been completely revised in order to keep up with the plethora of new developments. The Second Edition is now available in atlas format with large-sized illustrations.

The first part of the book introduces the readers to the basic principles of cone beam volumetric imaging and helps them optimize the attainable CBVI image quality and relevant system parameters for clinical applications. Important aspects of CBVI imaging of the anatomy of the facial skeleton are also discussed. Part II provides multiple case examples for a number of relevant indications and findings for practical demonstration and easy comprehension of the wealth of possible applications of CBVI in dental diagnosis and treatment planning. Part III provides information on the use of cone beam volumetric imaging in implant dentistry. Numerous case examples are used to explain and illustrate the use of cone beam volumetric imaging in conjunction with other CAD/CAM techniques for implant treatment planning, bone augmentation and template manufacture as well as for postoperative evaluation and treatment of complications.

This comprehensive work serves as a daily reference for the interpretation of CBVI images and is intended as a reference guide for test preparation for the CBVI certification exam.

To deepen their knowledge of the information presented in the book, readers can analyze 30 of the illustrated data sets, which are recorded on the enclosed DVD, using the accompanying software. A tutorial gives an introduction to the use of the software and the routine interpretation of CBVI images.

Contents

- Chapter 01. Fundamentals of CBVI Technology
- Chapter 02. Image Quality
- Chapter 03. Radiological Visualization of the Anatomy of the Facial Skeleton
- Chapter 04. Prosthetic Prognosis
- Chapter 05. Impacted Teeth
- Chapter 06. Temporomandibular Joint
- Chapter 07. Fractures
- Chapter 08. Bone Structure Changes
- Chapter 09. Iatrogenic Changes
- Chapter 10. Maxillary Sinus
- Chapter 11. Diseases of the Salivary Glands
- Chapter 12. Peri-implantitis
- Chapter 13. Diagnosis and Establishing the Indication
- Chapter 14. Technical Implementation of Implant Planning
- Chapter 15. Surgical Guide Fabrication
- Chapter 16. Indication-Specific Implant Planning
- Chapter 17. Implantation Using Augmentation Methods

Contributors

Bert Braumann • Umut Baysal • Timo Dreiseidler • Rainer Haak • Mauricio Herrera • Erwin Keeve • Frank Kistler • Steffen Kistler • Robert A. Mischkowski • Franziska Möller • Lutz Ritter • Daniel Rothamel • Martin Scheer • Philipp Scherer • Pia-Merete Jervøe-Storm • Daniel Tandon • T. P. U. Wustrow • Gerhard Zündorf

Categories: Interdisciplinary, Radiology and Photography, General Dentistry