Cell-to-Cell Communication: Periodontal Regeneration (DVD-ROM)
Bernd Stadlinger and Hendrik Terheyden
Unlike bone, which is constantly undergoing resorption followed by bone apposition, teeth are not subject to remodeling. They are remarkably resistant to physiologic remodeling processes. The reason for this is found in the periodontium and cementum. The mechanisms that take effect in this area and the effectiveness of the periodontal system—consisting of gingiva, alveolar bone, periodontium, and cementum—after injury can be visualized in this scientific 3D film. The visualization of these complex processes is of great interest for academic teaching as well as for the clinician, as the cellular interactions are presented in the context of four phases. For the first time, scanning electron microscopic images of real cells can be visualized alongside computer-animated simulations, allowing the comparison of their characteristics.

Contents
Cementum Formation • Orthodontic Tooth Movement • Trauma and Periodontitis • Periodontal Regeneration

Cell-to-Cell Communication: Osseointegration (DVD-ROM)
Bernd Stadlinger and Hendrik Terheyden
This award-winning animation dramatizes the complex biodynamic process known as osseointegration. This film chronicles the four phases triggered in succession when a titanium implant is placed where a tooth has been lost. The accompanying booklet includes an article outlining the scientific documentation for the processes depicted in the film as well as the original film script and a quiz on the topics discussed in the film.
12 min; ©2011; ISBN 978-1-85097-209-9 (C3006); US $98

At the Forefront: Illustrated Topics in Dental Research and Clinical Practice
Edited by Hiromasa Yoshie
This volume brings together articles on the topics of bioscience and clinical science, punctuated with striking illustrations. The first half addresses scientific topics such as diagnosis of periodontal disease, tooth regeneration, tissue-engineered bone, correlation of periodontal disease with other conditions, and genetic diagnosis of drug-induced gingival overgrowth. In the second half, the focus is on clinical issues, including dental remineralization, whitening procedures, caries detectors, nerve injury, morphologic changes following tooth loss, and identification of vessels and nerves prior to implant placement.
108 pp (softcover); 188 illus; ©2012; ISBN 978-0-86715-515-0 (B5150); US $98

Dental Explorer 3D (DVD-ROM)
Wolfgang Kohlbach
This innovative DVD-ROM is the ideal tool for professional chairside communication and treatment planning with patients. The interactive real-time 3D models allow clinicians to illustrate the complete range of restorative options, make useful comparisons, and provide step-by-step demonstration of recommended dental treatment to their patients. Dental Explorer 3D also contains over 20,000 photographs and 3D models and features a wide range of implant treatments at the bone and tissue levels, including 26 outstanding 3D-animated video clips.
©2011; ISBN 978-3-938947-84-5 (C0704); US $1,395

Upgrade from version 2 (C0704): US $795 (Purchase will be charged at full price until the older version is returned)

System requirements:
Microsoft Windows 7, Vista SP1, or XP SP3 • Mac OS Lion or Snow Leopard, Intel-processor with at least 2 GHz speed; 2 GB of RAM; graphics card with 512 MB of RAM or more, NVIDIA recommended; minimum screen resolution 1280 × 1024 pixels, 24-bit color depth (True Color); sound adapter and speakers; DVD drive; Internet connection for registration.
Clinical Photography in Dentistry: Theory and Techniques in Modern Documentation
Pasquale Loiacono and Luca Pascoletti
This book presents guidelines for photographic documentation that will enable practitioners to produce images that faithfully convey clinical data. Precise instructions, including the positions of the patient, assistant, and practitioner; camera settings and flash positions; aiming and focal points; and the required accessories are detailed in the text and images, and an example of the desired final image is provided.

336 pp; 847 illus; ©2012; ISBN 978-88-7492-169-0 (B9516); US $160

Dale A. Miles
This best-selling book introduces readers to the different ways of viewing CBCT data sets and guides clinicians in identifying familiar and unfamiliar anatomical landmarks in the three planes of section (axial, sagittal, and coronal). New to this edition are chapters presenting endodontic applications of CBCT, selected cases from radiology practice, and issues of risk and liability associated with capturing CBCT data. In addition, the anatomy chapter has been updated with many new illustrations and a new section on small-volume anatomy. Comprehensive case presentations demonstrate the diagnostic and treatment-planning capabilities of CBCT in its full range of applications while at the same time highlighting situations in which traditional radiographic imaging will suffice.

408 pp; 624 illus; ©2012; ISBN 978-0-86715-565-5 (B5655); US $142

FORTHCOMING
Clinical Photography in Dentistry: A New Perspective
Peter Sheridan
This book will help dentists appreciate the value and scope of digital photography in general dentistry and allow them to seamlessly incorporate the equipment and techniques into their general dental practice and workflow. Unlike many books on this subject, this one does not dwell on esthetics, cosmetics, or fashion images but regards photography as a tool to improve clinical records and communication. It will be of interest to dental students, general practitioners, and specialists alike.

Available Fall 2015

FORTHCOMING
3D Imaging and Dentistry: From Multiplane Cephalometry to Guided Navigation in Implantology
Giovanna Perrotti, Tiziano Testori, and Massimiliano Politi
For those who are finding the transition from 2D radiography to 3D CBCT confusing, this text explains the use of volumetric imaging in clinical practice and details the indications for its use in every field of dentistry. Ample direction is given on proper image processing and how to read CBCT scans, including a comprehensive anatomical atlas. In addition, the authors explain how to compile volumetric 3D reconstructions and use them in computer simulation to plan surgical phases. The authors focus on topics of greatest clinical interest, including cephalometric diagnostics and a novel approach to esthetic analysis, analysis of the anatomical airway for sleep apnea, a comprehensive review of the maxillary sinus and the clinical surgeries related to it, and treatment planning for guided implant surgery.

560 pp; 1,277 illus; ISBN 978-88-7492-018-1 (B9527); Available Summer 2015

Cone Beam Computed Tomography in Dental, Oral and Maxillofacial Medicine: Principles, Diagnosis and Treatment Planning, Second Edition (Book/DVD-ROM set)
Jörg Neugebauer and Joachim E. Zöller
Now available in an atlas format with enlarged illustrations, the original best-selling book on CBCT has been completely revised to cover the plethora of new developments since its publication. In the first part of the book, the authors introduce the basic principles of CBCT, how to optimize CBCT image quality, the system parameters for clinical applications, and relevant aspects of the anatomy of the facial skeleton. The second part provides case examples of relevant indications and findings to demonstrate the possible applications of CBCT in dental diagnosis and treatment planning. The third part discusses the use of CBCT in implant dentistry, particularly in conjunction with other CAD/CAM technology for implant treatment planning, bone augmentation, and surgical template fabrication as well as for postoperative evaluation and management of complications. Further instruction is included on the accompanying DVD-ROM with 30 CBCT data sets ready for analysis and discovery. A tutorial gives an introduction to the use of the software and the routine interpretation of CBCT images.

288 pp; 523 illus; ©2014; ISBN 978-1-85097-269-3 (B9079); US $228

Critical Thinking: Understanding and Evaluating Dental Research, Second Edition
Donald Maxwell Brunette
This classic textbook prepares readers to identify the information they need, read it from a critical vantage point, and assess the soundness of the conclusions. It introduces issues of logic, statistics, measurement, research design, and argument.

324 pp (softcover); 90 illus; ©2007; ISBN 978-0-86715-426-9 (B4269); US $48

Clinical Oral Physiology
Timothy S. Myles, Birgitte Nauntofte, and Peter Svensson
This textbook provides a comprehensive overview of the part of dentistry that links basic physiologic and pathophysiologic mechanisms with frequently encountered problems in dental practice. The systematic approach of the book makes it appropriate for undergraduate and postgraduate dental students as well as for practicing clinicians.

298 pp; 76 illus; ©2004; ISBN 978-1-85097-091-0 (B8826); US $85

Defense From Within: A Guide to Success As a Dental Malpractice Defense Expert
Jeffrey A. Krompier
This book provides clinicians essential advice and inside information regarding what it takes to be a successful defense expert witness. The text details the work involved in serving as an expert witness, such as case assessments and literature reviews, expert opinions, deposition testimony, and handling examination in the courtroom.

144 pp (softcover); ©2012; ISBN 978-0-86715-583-9 (B5839); US $42
Evidence-Based Dentistry for the Dental Hygienist
Edited by Julie Frantsve-Hawley
Like any other dental professional, dental hygienists must practice evidence-based dentistry (EBD) to provide the best care to their patients, whether it be through scaling and root planing, caries prevention, or patient education. This book is intended as a textbook for dental hygienists to learn the importance of EBD in the practice of dental hygiene as well as how to implement EBD practices and share EBD findings among office staff. As the dental knowledge base evolves and scientific discoveries are made, dental hygienists must understand how to seek out and evaluate findings and, if appropriate, apply them in their clinical practice, and this book provides all the necessary tools to do just that.

Contents
Study Design, Levels of Evidence, and Systematic Reviews • Literature Searching • Online Resources • Critical Appraisal and Evidence Summaries • Clinical Recommendations and Guidelines • Introduction to Statistics • EBD in the Practice of Dental Hygiene • EBD in Dental Public Health • Caries Preventive Strategies • Community Water Fluoridation • Application of EBD to Periodontal Diseases • Screening for Cancers of the Oral Cavity and Pharynx • Antiresorptive Agent–Induced Osteonecrosis of the Jaw

376 pp (softcover); 48 illus; ©2014; ISBN 978-0-86715-646-1 (B6461); US $56

The Long Climb: From Barber Surgeons to Doctors of Dental Surgery
Philias Roy Garant
This text outlines the personal struggles endured and victories achieved by the leading personalities of dentistry during its development from antiquity to the present. It showcases the courage and determination of dentistry’s pioneers while exposing the episodes of weakness and dishonesty that tarnished the image of the dentist. By highlighting the controversies surrounding major advances in dentistry—gold versus amalgam filling materials, operative versus mechanical dentistry, the relationship between medicine and dentistry, and the restriction of practice imposed by patents—this book gives life to the same old story, making this history book the most robust and entertaining of its kind.

496 pp (softcover); 223 illus; ©2013; ISBN 978-0-86715-649-2 (B6492); US $38

Dancing Hands
Herluf Skovsgaard
This book presents a new paradigm in manual training for dentists and assistants. Manual abilities are a fundamental part of clinical competence and are essential to chairside teamwork. This book establishes a standard for manual competence, which can be learned and trained.

296 pp; 672 illus; ©2013; ISBN 978-1-85097-263-1 (B9076); US $75

Medical Microbiology and Immunology for Dentistry
Nejat Düzgünes
This clinically oriented textbook explores medical microbiology and immunology as it relates to the practice of dentistry, including sections on the microbiologic basis of caries, periodontal disease, and endodontic infections. Clinical cases with study questions are featured throughout to engage understanding and critical thinking. Sections on recombinant DNA technology, molecular diagnostics, genomics, and proteomics familiarize the reader with new technologies and emerging fields that will impact future practice.

Available Fall 2015

Suturing Techniques in Oral Surgery
Sandro Siervo
This book outlines suturing techniques for the most common surgical procedures, providing indications as well as techniques for implementation. The detailed illustrations and tables clarify difficult technical concepts, and a quick reference guide consolidates the essential information for each suture type.

240 pp; 397 illus; ©2008; ISBN 978-88-7492-120-1 (B9509); US $178
iPad for Dentists: Digital Communication in Dentistry for the Patient and for the Team
Mario Imburgia

iPad dentistry is an innovative approach to digital dentistry that simplifies the use of smile design protocols for chairside digital communication. The author demonstrates, step by step, how to apply the smile design technique in everyday cases as well as how to use this technique of visual communication to educate patients. Learn to encourage awareness and confidence in patients and how to increase their acceptance of treatment plans. Discover how this method can improve communication among the entire dental team.

184 pp; 383 illus; ©2014; ISBN 978-0-86715-512-6 (B5126); US $172

FORTHCOMING

Digital Dental Revolution: The Learning Curve
Alessandro Agnini and Andrea Agnini with Christian Coachman

In recent years, innovative technology has allowed the dental team to use new materials and equipment in the production of prosthetic dental restorations that offer greater precision than conventional protocols. However, many clinicians find themselves struggling to make the transition to a digital workflow. With this book, the authors present the digital workflow they have developed and tested over time as new materials and software have continued to evolve. Readers will discover how to integrate new technology into their daily routine to improve communication with patients and their dental team and increase the quality of their restorations, ultimately enhancing the satisfaction of their patients and the success of their practice.

Available Spring 2015

Successful Local Anesthesia for Restorative Dentistry and Endodontics
Al Reader, John Nusstein, and Melissa Drum

Administration of local anesthesia is invariably the first step in any dental procedure, and it affects everything thereafter. If the patient is not adequately anesthetized, difficulties inevitably arise. This book will help you successfully anesthetize your patients using the newest technology and drugs available. It presents the rationale, advantages, and limitations of the various anesthetic agents and routes of administration. A special emphasis is placed on supplemental anesthetic techniques that are essential to the practice of dentistry.

174 pp (softcover); 207 illus; ©2011; ISBN 978-0-86715-513-6 (B5136); US $76

Oral and Intravenous Bisphosphonate–Induced Osteonecrosis of the Jaws: History, Etiology, Prevention, and Treatment, Second Edition
Robert E. Marx

While many clinicians currently recognize that bisphosphonate usage is associated with ONJ, this book establishes the causal relationship between the two. It presents definitive treatment protocols for patients who present at each stage in the progression of ONJ as well as a simplified staging system and information about the serum CTX test for oral bisphosphonate cases. The book offers a simple method for predicting risk as well as crucial recommendations for preventing the disease from developing when bisphosphonate therapy is indicated. Comprehensive case histories provide direct guidance in managing patients spanning the full presentation spectrum.

160 pp (softcover); 211 illus; ©2011; ISBN 978-0-86715-510-5 (B5105); US $138

Atlas of Laser Applications in Dentistry
Donald J. Coluzzi and Robert A. Convissar

This clinical atlas presents an overview of intraoral laser use followed by the indications and contraindications, special considerations, and relevant risks associated with procedures in each discipline.

The Face: Pictorial Atlas of Clinical Anatomy
Ralf J. Radianski and Karl H. Wesker
This book features elaborate composite illustrations created in layers, starting from the skeleton and working out to the surface of the skin. CT scans are used for the skeletal template, MRI series depict the inner layers of the facial region, angiographs report the anatomy of the blood vessels, and photographs of anatomical specimens as well as a living model fill out the rest. The final products are anatomical images of hyper 3D clarity and arresting beauty. Significant landmarks, anatomical details, and clinically relevant groupings of nerves and blood vessels are the primary focus of each image series to preserve clinical relevance.


Illustrated Guide to Aesthetic Botulinum-toxin Injections: Basics, Localization, Uses
Michael Kane and Gerhard Sattler
This book provides a practical step-by-step guide to aesthetic botulinum toxin A injections in the face, including treatment of the forehead, glabella, brow, lower eyelid, bunny lines, marionette lines, nasolabial folds, cheeks, gummy smile, upper and lower lip, chin, neckline, and décolletage. Each aesthetic procedure is described in full from the patient examination through the suggested treatment protocol. Detailed anatomical illustrations and photos highlight the pertinent muscles in each region as well as the target structures for injection, and case reports reveal the tips, pitfalls, and combination possibilities for each treatment.

170 pp; 260 illus; ©2014; ISBN 978-1-85097-250-1 (D2501); US $195

Also available in this series:

Illustrated Guide to Chemical Peels: Basics, Indications, Uses
Mark G. Rubin, Nanna Y. Schürer, Luitgard G. Wiest, and Uliana Gout
This book outlines the steps for accomplishing successful chemical peels—whether superficial, medium, or deep.

204 pp; 306 illus; ©2014; ISBN 978-1-85097-252-5 (D2524); US $195

Illustrated Atlas of Esthetic Mesotherapy: Active Substances, Dosage, Administration
Britta Knoll
This atlas introduces the practice of esthetic mesotherapy and arms clinicians with what they need to know to get started. Treatment sequencing is detailed for the most common therapeutic applications.


Wolfgang Jost
This comprehensive atlas presents all of the information necessary for botulin toxin use, including dosage, muscle action, localization, and injection technique of 126 different muscles.

294 pp; 566 illus; ©2012; ISBN 978-1-85097-175-7 (D2204); US $198