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Digital Workflow in Reconstructive Dentistry is the result of efforts made by the academic team at the Department of Prosthodontics, University Hospital of Freiburg. It aims to build a fundamental understanding of the general principles, science, and clinics of digital dental medicine. The information provided within these pages summarizes the various components of the digital workflow in reconstructive dentistry and discusses their advantages and disadvantages. Moreover, insights are provided about upcoming, game-changing technologies. By reading this book, students, clinicians, and researchers will gain and enhance their knowledge about digital dental medicine and identify the areas they need to focus on next in order to integrate the available technologies in their daily work. Clearly, the path of digital dental medicine will not stop here.
This book is geared toward practitioners who want to master dental photography and build their social media presence. Written for visual learners, this book breaks down the fundamentals of dental photography by outlining the key concepts, equipment, and lighting as well as introducing "The Simple Protocol"—the basic day-to-day intraoral protocol that shows how easily clinical photography can be incorporated into the clinical workflow. That is where most photography books end, but this author also explores advanced techniques and demonstrates how to achieve some of the most characteristic looks in artistic dental photography, including the glossy effect, chiaroscuro, chromaticity, and texture manipulation, as well as a simple setup for taking photographs in the dental laboratory. Finally, the author provides insight into the ever-changing world of digital marketing and explains what you need to know to reach your market on social media.

The aim of this seminal book is to make the case that digital photography is an essential instrument for evidence and interaction in dental practice. Unlike many books on this subject, this book redefines the scope of and rationale for clinical photography beyond the obvious focal point of anterior teeth and esthetics to include all oral tissues and the entire spectrum of dental care. In addition, the author outlines the most suitable camera equipment and accessories, the correct technique and positioning, and the protocol for digital image management to ensure high-quality images. 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 clinical practice and workflow. An essential book that expands the place of clinical photography and underscores its role in improving clinical records and communication.

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 explain 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.

Whether they are used for patient communication, consultation with a laboratory or colleague, diagnosis, clinical or legal records, or scientific presentation or publication, images are a much more powerful means of communication in the field of dentistry than the spoken or written word. However, dental photography is lacking set standards that would allow the continuity and reproducibility essential to clinical and scientific documentation. To address this need, this book presents guidelines for photographic documentation that will enable practitioners to produce images that faithfully convey clinical data. Precise instructions, equipment setup, camera settings, necessary accessories, tips for the photographer, and instructions for the patient. The book is designed to function as a stand-up display, providing ease of use to the photographer when used chairside. Whether used as a refresher by an experienced dental photographer or as a guide for instructing staff members on dental photography protocols, this atlas is sure to become a mainstay in clinical practice.
Andreas Filippi | Sebastian Kühl (Eds.)

**Tooth-Preserving Surgery**


Tooth-preserving surgery has been performed for hundreds of years, but the last 10 to 15 years have shown a resurgence and a great increase in knowledge regarding these techniques. The aim of this book is to present modern methods of tooth-preserving surgery so clinicians can expand the range of treatments offered in daily practice or to bring them up to date. This volume is not intended as a textbook, but rather as an illustrated atlas and reference work. Each surgical technique is systematically described with indications and contraindications, step-by-step surgical procedure featuring case examples, as well as prognosis and potential complications. Armed with knowledge of methods old and new, clinicians can evaluate whether their patients’ teeth—even potentially hopeless teeth—might still be preserved.

NEW

**The Tongue**

Andreas Filippi | Irène Hitz Lindenmüller

216 pp; 591 illus.; ©2018; ISBN 978-0-86715-776-5; £120 | €148

The tongue not only plays a primary role in masticatory and speech function—it is also a significant indicator of health, demonstrating signs of both oral pathologies and diseases that can affect the entire body. In addition to an overview of tongue anatomy and general diagnosis and treatment recommendations, this book contains an atlas of more than 50 specific diseases and health concerns that may present signs and symptoms in the tongue.

**Treatment Planning for Traumatized Teeth**

Mitsuhiro Tsukiboshi

2nd edition; 240 pp (softcover); 743 illus.; ©2012; ISBN 978-0-86715-511-2; £58 | €82

This book promotes treatment that assists healing of the dental hard tissues, pulp, PDL, and alveolar bone. Where possible, invasive restoration, pulp-extraction, and extraction are avoided. Diagnosis, treatment planning, and treatment protocols are described for specific types of dental trauma.

**Medical Microbiology and Immunology for Dentistry**

Nejat Düzgünes


This clinically oriented textbook explores medical microbiology and immunology as they relate to the practice of dentistry. It begins with a thorough discussion of immunology and then systematically covers the bacteria, fungi, viruses, and parasites that affect the human body as well as their oral manifestations. Extremely detailed illustrations throughout aid the reader in comprehending these complex interactions.

**At the Forefront**

Hiromasa Yoshie (Ed.)

Illustrated Topics in Dental Research and Clinical Practice


Topics of bioscience and clinical science are discussed, including diagnosis of periodontal disease and systemic correlations, tissue engineering, dentin remineralization, tooth whitening, caries detection, nerve injury, and identification of vessels and nerves prior to implant placement.

**Oral Structure & Biology**

Ralf J. Radlanski

472 pp (softcover); 245 illus.; ©2018; ISBN 978-0-86715-746-8; £130 | €168

This unique volume describes the morphology and biology of the orofacial region. All parts of the mouth are described in terms of their form, tissue structure, cellular properties, and development. Expertly illustrated and organized, this book provides a foundation of anatomical and biologic knowledge that will augment the reader’s clinical practice. It functions both as a textbook for dental students and as a reference manual for experienced clinicians.

**Autologous Blood Concentrates**

Arun K. Garg

224 pp; 398 illus.; ©2018; ISBN 978-0-99918-832-3; £166 | €199

Written by one of the original co-discoverers of PRP, this book illuminates the science behind autologous blood concentrates as adjuncts to surgical treatment and helps to establish a foundation of practical knowledge for clinical use. Comprehensive research and expertly written, this book is a must for clinicians who wish to incorporate autologous blood concentrate treatment into their practice.
Clinical Dental Medicine 2020 provides authoritative commentaries on the origins, present capabilities and anticipated challenges and opportunities in the main elements of the clinical practice of dentistry. For all those with interests and responsibilities in dentistry and oral health sciences, this book provides an insightful roadmap through to 2020 and beyond.

Evidence-Based Dentistry for the Dental Hygienist
Julie Frantsve-Hawley (Ed.)
3rd edition; 406 pp (softcover); 133 illus.; ©2020
ISBN 978-0-86715-800-7;
£98 | €118

The Internet has given us access to an unprecedented amount of information, but this development also facilitates the spread of misinformation if we do not think critically and evaluate what we read. The third edition of this classic textbook has been revised based on developments in biomedical research practices over the past decade to provide readers with the most up-to-date resource for navigating the ever-expanding world of dental literature. This book emphasizes how readers can practically apply critical thinking skills to evaluate scientific literature and thereby make the most informed decisions for their patients and themselves.

Manual For Oral Care
Nagato Natsume
348 pp (softcover); 247 illus.; ©2011;
ISBN 978-4-7812-0198-6;
£36 | €56

With a focus on practical clinical information and the advancement of patient quality of life, the authors provide a guide for preventing oral disease, promoting oral health, and maintaining or restoring oral function. This book addresses the basic information needed to ensure the best oral care, including tooth brushing and gargling, caring for dentures, causes of halitosis, considerations for patients with special needs, understanding dental caries and periodontal disease, management of gingival bleeding, affects of xerostomia, eating and deglutition disorders, and home oral care.

Community Oral Health
Cynthia Pine | Rebecca Harris (Eds.)
2nd edition; 306 pp (softcover); 25 illus.; ©2007;
ISBN 978-1-85097-162-7;
£50 | €78

This edition of this popular textbook offers a comprehensive, up-to-date understanding of community oral health issues, providing many more examples, illustrations, and perspectives from around the world. Ideal for undergraduates, postgraduates, and general practitioners interested in how the health systems in which they operate affect the care they can provide.

Text Book for Oral Care
Nagato Natsume
2nd edition; 384 pp (softcover); 85 illus.; ©2019;
ISBN 978-1-85097-162-7;
£104 | €128

Good oral health is vital, not only to help us eat well but also to prevent oral inflammation, xerostomia, and aspiration pneumonia. Text Book for Oral Care is aimed at students aspiring to become dental nurses or oral hygienists. Part I explores the oral care certification system and the definitions of oral care. Part II provides a breakdown of the oral care criteria and the patterns of examination. Part III is a multiple-choice question and answer section covering the key aspects of oral care and specific keywords to help students to revise. Topics covered include tooth brushing, gargling, dentures, halitosis, dental caries and periodontal disease, bleeding, dry mouth and dysphagia.

Clinical Dental Medicine 2020
Nairn H.F. Wilson (Ed.)
232 pp; 235 illus.; ©2009;
£92 | €98

Clinical Dental Medicine 2020 provides authoritative commentaries on the origins, present capabilities and anticipated challenges and opportunities in the main elements of the clinical practice of dentistry. For all those with interests and responsibilities in dentistry and oral health sciences, this book provides an insightful roadmap through to 2020 and beyond as well as emphasising the challenges and, possibly more importantly, the opportunities available to forward-looking members of the dental team.

The Oral-Systemic Health Connection
Michael Glick (Ed.)
A Guide to Patient Care
2nd edition; 384 pp (softcover); 85 illus.; ©2019;
£40 | €48

As the oral-systemic health connection continues to be the focus of an overwhelming amount of scientific literature, it is important for dentists to stay informed in order to be a reliable source of information for their patients. This second edition explores the connections between oral infections and systemic diseases/conditions, incorporating feedback from scientists, practitioners, and policymakers. In addition to updated chapters about cardiovascular disease, diabetes, inflammation, and adverse pregnancy outcomes, authors have contributed new chapters about antibiotic prophylaxis, the genomics connection, common risk factors, and the economic impact of this connection.
Preventive dentistry is a constantly changing and developing field. As new research emerges, some practices that had once been revolutionary are abandoned, while others continue to withstand the test of time. This book relies on evidence-based methods that are relevant today. Based on the proposition that specific treatments and techniques come and go but comprehensive treatment planning is universal and timeless, this book unites clinicians of all levels and from all disciplines, challenging them to master the principles of total care management through interdisciplinary treatment-planning exercises. In keeping with that, the reader can expect to learn from the process. The case presentations follow the format established in the first volume: Diagnostic findings and pretreatment images are presented first and then the master clinician's proposed treatment plan and account of actual treatment provided are detailed, accompanied by treatment and posttreatment images. This book provides the opportunity to learn through the experience of what the reader can expect to learn from the process. The case presentations follow the format established in the first volume: Diagnostic findings and pretreatment images are presented first and then the master clinician's proposed treatment plan and account of actual treatment provided are detailed, accompanied by treatment and posttreatment images. This second volume takes readers to the next important step: learning by repetition through the presentation of additional cases treated by master clinicians from every specialty. Each is introduced by the clinician, who provides the rationale for choosing the particular case, a suggested focus in treatment plan design, key elements to consider when planning the case, and how this can be translated into clinical dental practice—what changes should be made to how we practice and why they should be made. Topics include caries and periodontal disease, orthodontic problems, diagnostic approaches, diet and oral health, oral hygiene, oral disease patterns, caries treatment, fluoride guidelines, risk management, sealants, and probiotics. This book will help clinicians to provide their patients with the best care possible based on evidence-based and clinically proven methods that are relevant today.
Suturing is one of the most important phases of surgery, requiring utmost attention to detail and the adaptation of the technique to each patient case. This comprehensive new book considers dental suturing as an art, the ultimate aim of which is to increase the success of the surgical procedure. The book, beautifully illustrated with full-colour digital images and photographs, covers all the aspects of suturing, from wound healing through surgical suturing materials and instruments to the variety of suturing techniques. Each aspect of the art of suturing is carefully explained and detailed by the authors, making this new publication a must-have for all professionals in the field of dental surgery.

Proper management of soft tissues in periodontal, implant, and reconstructive surgery has become increasingly important for aesthetic treatment outcomes. In order to achieve correct postoperative positioning of the soft tissues, clinicians must have a comprehensive understanding of wound healing and suturing. Drawing on a series of clinical cases, 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.

Quality and performance in dental practice depend on well-trained hands, and 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 in the dental treatment room. However, acquiring this complex competence is too often left to individual experience and bad habits set over time. This book establishes a standard for manual competence, which can be learned and trained.

Today there is much talk of being disruptive in life and business, of interrupting the status quo or of reinventing the rules. This 2-volume book describes a different way of approaching dentistry, using the author’s signature SLOW method to effectively GROW your practice and your enjoyment of the profession. The focus is on maintaining an effective personal relationship with patients in a world of marketing and digital communication where it may be necessary to compete for the patient’s attention. Slow Dentistry offers us a vision of doing more with less, prioritizing quality, and enjoying the emotional bond with the patient as well as the team. This book discusses methods to compete successfully in a worldwide market using personal human connections to find greater fulfillment in dentistry in general.

For the first time, the highly complex topographic-anatomical relationships of facial anatomy are depicted layer by layer using extremely detailed anatomical illustrations with a three-dimensional aspect. Important landmarks, anatomical details, and clinically relevant constellations of hard and soft tissues, as well as of nerves and vessels, have been detailed. While the accompanying text and figure captions highlight specific issues, the images remain in the foreground. The elaborate illustrations are based mainly on live anatomy and corresponding images obtained from magnetic resonance imaging, with some support from anatomical preparations.

The active use of preventive measures is invaluable in clinical practice, but the best way to ensure effective management of a medical emergency is to be prepared in advance. Practitioners and their entire dental staff must be ready to confront medical emergencies that may arise during treatment with sufficient medical knowledge to initiate appropriate primary treatment. This accessible manual addresses the most common medical emergencies encountered during dental treatment.
By highlighting the controversies surrounding major advances in dentistry, this book gives life to the same old story. This engaging history book outlines the personal struggles endured and victories achieved by the leading personalities of dentistry during its development from antiquity to the present. Despite significant progress in the field of pain management, many people today still avoid seeing a dentist because of fear and anxiety. This book presents a philosophy for reducing patients' anxiety and putting them at ease, beginning the moment they call for an appointment. Combining clinical hypnosis techniques with specialized communication strategies (both verbal and nonverbal), the authors guide the entire dental team in every facet of patient interaction. This comprehensive text details the role of osseointegration in prosthodontic restoration via careful treatment planning and the use of a multidisciplinary therapeutic approach. From detailed clinical and radiographic examination to soft tissue considerations to selection of implant systems and surgical techniques, this book outlines well-documented modalities that are safe, simple, and predictable.
This atlas focuses on advanced surgical techniques for restoring soft tissue defects around natural teeth caused by varying degrees of gingival recession. Following a discussion of the biologic basis and rationale for increasing soft tissue volume, the authors review the development and mechanisms of root coverage. Providing step-by-step instructions for the prevailing techniques of root coverage therapy for a successful pink esthetic treatment outcome. Clinical cases demonstrate the techniques, outlining evidence-based principles and clinical considerations in an easy-to-follow manner. For those who want to learn to predictably treat gingival recession, this book is an excellent aid.

The facial skeleton is comprised of vertical and horizontal buttresses and the intersections they create, maxillofacial fractures occur when these buttressing lines are disrupted, requiring the surgeon to reverse the damage that these buttresses sustained and restore appropriate facial dimensions. Not all fractures propagate in the same pattern, so surgeons must compartmentalize the face and define the character of the individual bones. This book approaches the face one bone at a time, outlining how to evaluate each type of fracture, the indications for surgery, and the surgical considerations in an easy-to-follow manner. For those who want to learn to predictably treat gingival recession, this book is an excellent aid.

This book presents a novel strategy to improve the outcome of maxillofacial reconstruction by combining evolving principles of neurophysiology and tissue engineering with an integrated surgical and laboratory technique. The objective of this book is to bridge the gap between the routine practice of maxillofacial surgery and theoretical laboratory science.
The first half of the book introduces basic piezoelectric principles, including the clinical characteristics of piezoelectric cutting, the technology of the ultrasonic device, and the ultra-osseointegration process, and a surgical skills chapter includes practical exercises to prepare readers to use the piezoelectric device. The clinical chapters in the second half of the book guide readers through step-by-step piezoelectric surgical protocols for dental extractions, implantology, sinus augmentation, bone grafting, and ridge expansion, followed by case studies illustrating each technique.

There are frequent situations in which oral and maxillofacial surgeons find themselves in need of an immediate answer to a clinical problem. This new edition provides expanded information in an improved format, magnifying its usefulness as a quick reference source on a diverse range of clinical topics, including dentoalveolar surgery, maxillofacial trauma, craniofacial anomalies, and oral pathology, and illustrated with summary charts, tables, clinical photographs, and radiographs.
When patients present to the dental clinic for retreatment, there is little room for error. Cases requiring retreatment may have already resulted in complications, failures, and even iatrogenic damage. It is therefore in the best interest of patients and for the discipline that clinicians share protocols, techniques, and innovations used in retreatment to improve the quality of care and avoid further error. The clinical cases depicted in this DVD compendium all lay bare two things: first the medical mistake and then the innovative fix that allowed for a successful outcome at retreatment.

Contents

Volume 1. Endo failure—Tooth loss and perforation of the buccal plate
Volume 2. Diagnostic failure—Mistreated trauma associated with periapical chronic lesions and anatomic bone deformities
Volume 3. Perio failure—Recurrent and excessive scaling and root planing
Volume 4. Iatrogenic bone grafting and implant placement—Ailing dental implants associated with oroantral communication

This book does not pretend to be an exhaustive resource on oral pathology; instead, it seeks to provide the practicing clinician with enough information to help identify or at least narrow down the differential for every common lesion or oral manifestation of disease seen in daily practice as well as what to do about them.

Like the first edition, it presents definitive treatment protocols for patients who present at each stage in the progression of osteonecrosis, but this new edition also includes a simplified staging system and information about the serum CTX test for oral bisphosphonate cases. In addition, several management principles and surgical techniques are provided, along with new data on osteopenia and osteoporosis, the conditions for which bisphosphonates are primarily prescribed. 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.

This two-volume award-winning text covers the conditions that oral and maxillofacial surgeons need to be prepared to identify and treat. In addition to its clinical presentation, each disease entity includes its pathogenesis, differential diagnosis, diagnostic work-up, histopathology, treatment, and prognosis.

This atlas presents the applied surgical techniques for harvesting bone from intraoral and extraoral sites. The authors guide readers to a thorough understanding of each donor site by addressing anatomy, patient positioning, surgical approach, dressings and drains, postoperative care, complications, and pediatric modifications.
achieving a high degree of predictability and success. The authors emphasize the importance of collaboration among specialists and systematically moving through all the stages of the process, from the presurgical diagnosis to the posttreatment management. The authors relate the stories of how these complications have occurred in real-life clinical situations while glorifying the successes and dismissing the failures. The first part of each chapter describes specific complications in terms of their etiology, clinical signs and symptoms, diagnosis, and resolution and treatment. Then, using clinical case examples, the authors relate the stories of how these complications have occurred in real-life clinical situations and show how variables such as individual patient concerns, desires, and priorities affect the way in which they are handled.

This book is different. The authors have many decades of both academic and clinical experience and have set out to produce a clear, impartial, and rational text to address controversial techniques and clinical issues not previously described in the literature. The chapter layout is presented logically and in sequence to address the different specialties in an organized and contextualized way. A comprehensive background is provided to allow readers to determine for themselves—rather than be told—how to best develop a sound clinical work.
14-month follow-ups.

Bone grafting procedures • Healing abutments • Recommended healing period • 6-month and
• Initial stability • Procedures followed • Recommended restoration • Implant manufacturer •
tracks the most important information: • Patient name/chart no. • Implant location and size
place. Each book contains space for over 500 patient entries (2,000 implants or more) and
This convenient logbook allows you to keep track of the details of every implant that you

Bone Augmentation in Implant Dentistry
A Step-by-Step Guide to Predictable Alveolar Ridge and Sinus Grafting
272 pp; 1,800 illus.; ©2019; ISBN 978-0-86715-825-0; £245 | €296
Implant dentistry has evolved tremendously over the past three decades and is rapidly progressing as new materials and protocols become available each year. With the number of advancements made in digitally based media and marketing, it is imperative that the clinician be able to separate new trends from evidence-based protocols to make sound and predictable choices for the ultimate benefit of patients. This textbook presents cases from the author's 35-year practice to show the successes and failures of various treatment approaches and protocols. Early chapters discuss the relevant biomaterials and instruments utilized for bone augmentation protocols, including barrier membranes, bone grafting materials, and growth factors. Surgical chapters dedicated to extraction socket management, alveolar ridge augmentation, and sinus grafting follow, each chapter detailing specific indications and patient selection criteria as well as step-by-step surgical procedures, aspects of postoperative treatment, and complications. The final chapter focuses on full-arch reconstruction using fully guided immediate reconstruction protocols. The author’s teaching institute is credited with preparing some of the world’s best clinicians, and this book will pave the way for countless more.

Bone Augmentation in Implant Dentistry

Anatomical textbooks and atlases often fail to meet the clinical demands of defining intraoperative structures for oral implantologists. This book, however, shows the structures of the maxilla, mandible, and nasal cavity as they actually exist in the dissected or live body, through the presentation of cadaver specimens and clinical cases. Understanding these structures simplifies the learning and execution of implant-related surgical procedures.

Bestseller

Oral Implantology Review
A Study Guide
232 pp (softcover); 74 illus.; ©2016; ISBN 978-0-86715-721-5; £146 | €218
This comprehensive examination workbook provides more than 1,000 practice questions on oral implantology. Topics include medical problems, biomedical sciences, radiology and computer-assisted technology, anatomy, biomechanics, patient data, treatment planning, principles of implantology, bone and soft tissue grafting, implant prosthodontics and occlusion, esthetics, maintenance, pharmacology, and complications.

Oral Implantology Review

Just as checklists used in the aviation industry reduce the incidence of human error and provide safety and success margins, implant surgery should start with a presurgery check by the surgeon. Surgeons have relied solely on memory for these checks, but the complexity of the information regarding the procedures today makes it difficult to properly deliver it to patients in a consistent, correct, and safe manner. This checklist booklet outlines the proper sequence for surgical procedures, details the setups for necessary instruments, provides postoperative instructions, and even includes a clear roadmap to follow in emergency scenarios that might be encountered during or after surgery.

Oral Implantology Surgical Procedures
Checklist
92 pp (spiral bound); 50 illus.; ©2016; ISBN 978-0-86715-570-9; £46 | €68
This book is designed as a self-instruction guide to the diagnosis, management, and prevention of surgery-related complications in implant dentistry. Besides addressing pre-, intra-, and postoperative implant surgery complications, the book also includes a comprehensive treatment-planning protocol that allows for the early detection of potential surgical complications and how to avoid them.

Oral Implantology Surgical Procedures

This book honors the late Professor Per-Ingvar Brånemark, whose research has for decades played a major role in numerous scientific, dental, and medical disciplines through his discovery of osseointegration. His work has benefited millions of patients and continues to influence new advances in reconstructive surgery.

Proceedings of the P-I Brånemark Memorial Symposium, Stockholm 2015
144 pp; 221 illus.; ©2016; ISBN 978-1-85097-298-3; £45 | €58

Proceedings of the P-I Brånemark Memorial Symposium, Stockholm 2015

This convenient logbook allows you to keep track of the details of every implant that you place. Each book contains space for over 500 patient entries (2,000 implants or more) and tracks the most important information: • Patient name/chart no. • Implant location and size • Initial stability • Procedures followed • Recommended restoration • Implant manufacturer • Bone grafting procedures • Healing abutments • Recommended healing period • 6-month and 12-month follow-ups.

Implant Logbook

Quintessence Dental Implant Logbook

Quintessence Dental Implant Logbook

Oral Implantology
Anatomy, Etiology, Prevention, and Management
Surgical and Radiologic Anatomy
for Oral Implantology
Anatomical textbooks and atlases often fail to meet the clinical demands of defining intraoperative structures for oral implantologists. This book, however, shows the structures of the maxilla, mandible, and nasal cavity as they actually exist in the dissected or live body, through the presentation of cadaver specimens and clinical cases. Understanding these structures simplifies the learning and execution of implant-related surgical procedures.

Surgical and Radiologic Anatomy
for Oral Implantology

Surgical Complications in Oral Implantology
Etiology, Prevention, and Management
This book is designed as a self-instruction guide to the diagnosis, management, and prevention of surgery-related complications in implant dentistry. Besides addressing pre-, intra-, and postoperative implant surgery complications, the book also includes a comprehensive treatment-planning protocol that allows for the early detection of potential surgical complications and how to avoid them.

Surgical Complications in Oral Implantology

Symposium, Stockholm 2015
P-I Brånemark Memorial
Proceedings of the
144 pp; 221 illus.; ©2016; ISBN 978-1-85097-298-3; £45 | €58

Proceedings of the P-I Brånemark Memorial Symposium, Stockholm 2015

Daniel van Steenberghe (Ed.)

Etiology, Prevention, and Management
Surgical Complications in Oral Implantology

Implant Complications: Management and Prevention
This book covers the complete range of complications that may arise during the treatment of implant-supported prostheses, from the initial surgery to the delivery of the final restoration, and how to avoid and manage them. The text is structured to provide clear, concise, current information in a reader-friendly manner. The text is divided into five sections: 1) General Considerations; 2) Preoperative Considerations; 3) Surgical Complications; 4) Postoperative Complications; 5) Complications of Treatment Planning.

Implant Complications: Management and Prevention

Daniel van Steenberghe (Ed.)
This book expertly describes the key features of vertical and horizontal ridge augmentation, such as the surgical anatomy of the floor of the mouth, papilla reconstruction, the modified lingual flap and the preservation of the mental nerve during flap advancement, growth factor applications used in conjunction with perforated membranes, managing complications of membrane exposure and graft infections, and a step-by-step description of complete reconstruction of the severely resorbed maxillary ridge using GBR with simultaneous sinus augmentation. Almost all cases described include a retrospective section with suggestions on what could have been done differently to achieve even better results, making this book a frank, ambitious, and immensely informative text on the clinical practice of ridge augmentation with GBR.

The full-arch implant rehabilitation (FAIR) protocol is one of the newest implant therapy innovations to treat the edentulous or nearly edentulous patient. The FAIR prosthesis is immediate, fixed, esthetically pleasing, highly functional, insensitive, and maintainable, and it can frequently be installed without bone grafting. This book describes how the FAIR protocol works, who it should be used for, and methods to implement it successfully for different patients. The system can be used in both arches and in patients with total or near-total edentulism. Several chapters are devoted to describing step-by-step treatment with detailed clinical photographs documenting every step from initial assessment to prosthesis delivery. Even those new to fixed denture systems will find the procedures easy to follow and can begin implementing the FAIR approach for their patients.

The integrated treatment plan places the individual patient at the centre of the diagnostic and therapeutic process. Therefore, the concept of an integrated treatment plan seeks to satisfy the patient’s wishes and expectations, from both comprehensive and interdisciplinary perspectives, involving the application of state-of-the-art technology as well as the expertise and support of the medical and dental specialists. This text delves into the process of constructing a diagnosis and assessing the potential risk factors and then describes step-by-step some of the more recent surgical procedures for patients who are candidates for implant therapy. Each phase covered is accompanied by clear references to its scientific support of the medical and dental specialities. This text delves into the process of constructing a diagnosis and assessing the potential risk factors and then describes step-by-step some of the more recent surgical procedures for patients who are candidates for implant therapy. Each phase covered is accompanied by clear references to its scientific background in order to provide the reader with bibliographic support for further study. Most procedures are illustrated with photographs and anatomical drawings.

The authors of this book assert that for optimal esthetics and patient satisfaction, a fourth dimension—timing—must be given equal weight in implant treatment planning. The aim of this book is to introduce this new 4-D concept for esthetic implant therapy and to reexamine the traditional treatment sequence of implant therapy so that practitioners and patients can achieve predictable and esthetically pleasing treatment outcomes. The importance of including patients and their individual needs and goals in treatment planning is emphasized, as is the preservation of alveolar bone, dentition, function, and esthetics over the long term through the proper execution of periodontal treatment. Topics include immediate implant placement in extraction sockets, extraction socket preservation, root submergence techniques, ridge augmentation, and soft tissue management in the esthetic region.
The Single-Tooth Implant
A Minimally Invasive Approach for Anterior and Posterior Extraction Sockets

Dennis P. Tarnow | Stephen J. Chu

£198 | €228

The replacement of the single tooth with a dental implant is one of the most common clinical situations practitioners face on a daily basis. While in the past sockets were left untouched for months after tooth extraction before attending to the residual ridge, today it is possible to perform “one surgery, one time,” which is a huge benefit to both the patient and clinician alike. Written by two world-class masters, this book begins with a discussion of the history and rationale for anterior and posterior single-tooth implants, and then it walks the reader through the three types of sockets-type 1, type 2, and type 3-and their various indications and limitations. An entire chapter is devoted to clinical management of posterior teeth, followed by a chapter on cementation and impression-making techniques and complications. The final chapter is a clinical case appendix detailing 11 cases of single-tooth replacement in all types of sockets previously described. The protocols showcased in this book will make patient care faster, easier, simpler, more predictable, and, in many cases, less costly.

Short and Ultra-Short Implants

Douglas Deporter (Ed.)

168 pp (softcover); 334 illus.; ©2018;
ISBN 978-0-86715-785-7;
£68 | €85

As research continues to underscore the safety and efficacy of short implants, more dentists are considering their use with real interest, and this book provides the information clinicians need to incorporate short implants into their own practice. The book reviews the clinical effectiveness of short implants and then describes treatment protocols for the various types of short implants and their placement in different areas of the mouth. Case presentations demonstrate the recommended techniques and showcase the results.

Advanced Immediate Loading

Georgios E. Romanos

£104 | €148

This expert guide presents the state-of-the-art protocols for advanced immediate loading of dental implants. Immediate implant placement in grafted bone, management of immunocompromised patients, and simultaneous sinus elevation and implant placement with immediate functional loading are demonstrated through compelling case examples.

Flapless Implantology

Byung-Ho Cho | Seung-Mi Jeong | Jhiun Kim

Wilfried Engelse

£170 | €218

This book shows readers how to overcome the perceived challenges of the flapless technique in order to take advantage of its extraordinary benefits, including the preservation of vascularization, soft tissue architecture, and hard tissue volume at the site. Decreased surgical time, improved patient comfort, and accelerated healing. The evidence-based protocols outline the techniques to maximize the outcome, even in the management of challenging cases.

The Bicon Short Implants

Vincent J. Morgan (Ed.)

356 pp, 1,800 illus., ©2018;
ISBN 978-0-86715-781-9;
£160 | €192

This book is a succinct and accessible compilation of over 30 years of knowledge concerning the Bicon system. It offers not only a history of dental implants and the science of osseointegration but also a collection of clinical examples that demonstrate Bicon’s capabilities. These implants provide versatile, reliable treatment for a wide variety of clinical situations.

Immediate Loading of Dental Implants

Mithridade Davarpanah | Serge Szmukler-Moncler

£184 | €210

This clinical manual details the surgical and prosthetic protocols for clinicians who wish to utilize immediate implant loading in qualified patients. It details the fundamental principles, from patient selection to surgical procedures to the final adjustment of the definitive restoration. In addition, the chapters describe solutions to various challenges, such as when to use screw-retained or cement-retained provisional prostheses, how to prepare the prosthesis chairside, and when to have the prosthesis prepared in the laboratory. This comprehensive volume offers readers concrete guidelines for a proven technique that simplifies implant procedures and provides clear benefits to patients.

Zygomatic Implants

Carlos Aparicio (Ed.)

£108 | €128

This book reviews the state of the art of zygomatic implant placement and outlines several new surgical techniques and adjunctive procedures, including the zygoma anatomy-guided approach (ZAGA). The authors cover the fundamentals of using zygomatic implants, including the rationale behind the approach, anatomical and biomechanical considerations, imaging of the zygoma, correct implant trajectory, possible sinus reactions, contraindications, prosthodontic considerations, and management of complications.
As research proceeds on treatment of the resorbed posterior maxilla, new techniques and innovations continue to be adopted to solve this clinical problem. While the previous edition of this book provided detailed information on the types of grafting materials and procedures available at the time, this completely revised version looks to the future with new strategies for treatment, some of which avoid grafting altogether. This book not only reviews the time-tested lateral window approach for sinus elevation and grafting but also describes a variety of techniques to approach the sinus transcrestally, with or without grafting material. One section of the book is devoted entirely to the different types of implants and implant placement techniques available, many of which are designed specifically to avoid sinus elevation. In addition to clinical case studies and descriptions of how to perform specific surgical procedures, this book includes discussions on the science of bone formation and how continued research brings us closer every day to the ultimate goal of using tissue engineering to completely regenerate new teeth.
Each chapter of this highly practical guide begins with a question-and-answer section that addresses clinicians' most frequently asked questions: Why are "pink esthetics" the most important factor in determining a good treatment outcome? When is immediate postextraction implant placement preferable, and when is it safer to carry out preservation or augmentation of the ridge? When and how can a keratinized tissue band be properly reconstructed, or peri-implant soft tissues be augmented? How are peri-implant esthetic complications treated? Citing from the literature, the authors review the prevailing best evidence to provide guidelines for treatment. With more than 90 clinical cases demonstrating a wide range of therapeutic needs, the authors explore compelling case examples to provide step-by-step analysis of techniques and explain the best treatment options in different clinical scenarios. This book offers answers to dilemmas that every clinician faces in daily practice and outlines clear strategies for achieving optimal treatment results.
covered exhaustively with live commentary. State-of-the-art advanced training. Clinical management, treatment techniques, materials, and preoperative preparations are recognized specialists in the various fields in original live video recordings. Basic principles, the DVD Compendium is an impressive demonstration on 15 DVDs of the broad spectrum occlusion related muscle problems (masseters, temporalis, etc.), including neck muscles. Headaches and facial pain may be diagnosed as being atypical and may be due to referred pain, which can mimic joint symptoms caused by neck and masticatory muscle clenching, and the jaw being out of occlusion and its proper position. The book also covers problems that can lead to “malocclusion” depend on patient emotional stress, grinding, and Natural Dentition: 3D Occlusion. This book offers a clear synopsis of research and clinical protocols for this topic. Presented by a distinguished group of authors and based on 30 years of research, this book informs clinicians about bioactivating concepts from both scientific as well as clinical perspectives. The research findings detail bioactivation of bone morphogenesis and regeneration by bone morphogenetic proteins, biomaterials and bone repair, bone and soft tissue engineering, as well as cellular and subcellular physiology. Clinical chapters focus on intraroral surgical techniques, including step-by-step procedures for hard and soft tissue management for ideal site development and perio-implant prosthetics.

The answers to your questions about dental implants
80 pp (softcover); 73 illus.; ©2014; ISBN 978-1-85097-279-2; £31 + VAT | €41

Available Spring 2020
Learn from the best—learn implant treatment from start to finish! This DVD compendium provides more than 120 e-learning lectures, peer-reviewed by a global board of renowned experts and sanctioned by exam and CE credits. The contents of the curriculum program are made available by an international network of teaching centers and are structured in modular elements covering the complete field of implant dentistry. Over 40 hours of content will allow the viewer to gain a more thorough understanding of each topic and move forward with confidence when applying this knowledge to their patients.

Contents

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Contents

The book covers the dentition, tooth and implant bone, gingiva, tooth and implant-borne prostheses, masticatory muscles, ligaments, TMJ, articular capsules, disks, etc. The problems that can lead to “malocclusion” depend on patient emotional stress, grinding, clenching, and the jaw being out of occlusion and its proper position. The book also covers referred pain, which can mimic joint symptoms caused by neck and masticatory muscle problems. Headaches and facial pain may be diagnosed as being atypical and may be due to occlusion related muscle problems (masseters, temporalis, etc.), including neck muscles.

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The DVD Compendium is an impressive demonstration on 15 DVDs of the broad spectrum of minimally invasive therapeutic concepts in periodontics and implantology, presented by recognized specialists in the various fields in original live video recordings. Basic principles, clinical management, treatment techniques, materials, and preoperative preparations are covered exhaustively with live commentary. State-of-the-art advanced training.

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This book explores the issues that may be encountered by clinicians during sinus floor elevation and how to avoid complications. The author demonstrates the necessity of preoperative CBCT imaging for every case and discusses the efficacy and pitfalls of both the lateral window and the osteotome techniques. The many case presentations show diverse pathologic findings, such as the treatment of maxillary sinusitis, mucous retention cysts, and apical lesions, as well as solutions for situations with difficulties due to the presence of the alveolar artery and septa.

This book has been created by the EAO to provide answers to the most commonly asked questions about dental implants. They were selected by looking at online search engine results to find out which questions the public ask about dental implants most often. Once the list of questions had been finalised, answers were prepared by members of the EAO’s Board of Directors. They were then reviewed to make sure they were accurate and easy to understand.
This series is a compendium of evidence-based implant-therapy techniques and procedures for daily practice. Written by renowned clinicians and supported by contributions from expert practitioners, the ITI Treatment Guides provide comprehensive overviews of various clinical options. The management of different clinical situations is discussed with an emphasis on sound diagnostics, evidence-based treatment concepts, and predictable treatment outcomes with minimal risk to the patient.

ITI Treatment Guide Series

Daniels Buser | Urs Belser | Daniel Wismeijer (Eds.)

Implant Therapy in the Esthetic Zone
Single-Tooth Replacements
ITI Treatment Guide Volume 1
268 pp; 763 illus.; ©2006; ISBN 978-3-938947-10-4; £68 | €86

This first volume focuses on implant therapy for single-tooth replacement in the esthetic zone. It guides readers through the entire treatment process, beginning with assessment of the patient’s individual esthetic risk profile and proceeding through ideal three-dimensional implant placement and proven prosthetic management options. Various procedures are illustrated through patient case studies.

Loading Protocols in Implant Dentistry
Partially Dentate Patients
ITI Treatment Guide Volume 2
184 pp; 420 illus.; ©2007; ISBN 978-3-938947-12-8; £68 | €86

This second volume is devoted to the restoration of partially dentate patients. Central to this volume are loading protocols and how they relate to various treatment indications, including both single and multiple missing teeth in the posterior and anterior regions of the mouth.

Implant Placement in Post-Extraction Sites
Treatment Options
ITI Treatment Guide Volume 3
216 pp; 553 illus.; ©2009; ISBN 978-3-938947-14-2; £68 | €86

This third volume provides clinicians with practical clinical information that will allow them to make evidence-based decisions regarding appropriate implant placement protocol in post-extraction sockets.

Loading Protocols in Implant Dentistry
Edentulous Patients
ITI Treatment Guide Volume 4
248 pp; 746 illus.; ©2010; ISBN 978-3-938947-16-6; £68 | €86

This fourth volume presents implant therapy approaches and procedures in edentulous patients with a special focus on loading protocols. After discussing the current evidence base in the literature and a summary of the most recent relevant ITI Consensus Statements it proceeds to guide readers through the entire treatment process.

Sinus Floor Elevation Procedures

The fifth volume presents the materials and techniques associated with sinus augmentation procedures. The volume opens with a review of the current literature and the relevant ITI Consensus Statements derived from the ITI Consensus Conference held in Stuttgart, Germany, in 2008.

This DVD-Video presents five live surgical procedures demonstrating the use of lateral window protocols, simultaneous graft placement, bone harvesting, and piezoelectric surgery. The DVD-Video can be set to any of the following languages: English, Spanish, French, Chinese, German, Italian, Portuguese, Turkish, and Japanese.
The goal of the sixth volume is to provide clinical recommendations for implant-supported prosthetic treatments in patients with multiple missing adjacent teeth in the esthetic zone.

Volume 8 provides clinicians with the latest evidence-based information on the origins and treatment of biological as well as hardware complications. This analysis of the current evidence is based in part on the proceedings of the 4th ITI Consensus Conference held in Stuttgart in 2008 and of the 5th Consensus Conference held in Bern in 2013.

This volume provides a comprehensive, evidence-based approach to single-tooth replacement in the esthetic zone, from consultation to follow-up, with a focus on current treatment modalities and the materials that present-day implant dentistry has to offer.

Volume 9 attests to the ITI’s holistic approach to implant dentistry and to its professional responsibility for patients who have aged with implant-supported restorations in place, as well as for patients at a more advanced age who, until late in life, can benefit from the progress we have made in terms of the materials and techniques that present-day implant dentistry has to offer.

Volume 11 of the ITI Treatment Guide series continues the successful theme of the previous ten volumes, a compendium of evidence-based methodology in digital techniques and procedures for daily practice. Written by renowned clinicians and supported by contributions from expert practitioners, the ITI Treatment Guide Digital Workflows in Implant Dentistry provides a comprehensive overview of various technological options and their safe clinical application.

The SAC Classification has been in use by the ITI as part of its educational program since 2003. This volume represents an indispensable reference tool for all practitioners when taking decisions in regard to the selection of individual treatment approaches. The clear descriptions and classification allow clinicians to assess the degree of complexity and risk involved in individual cases and the relevant skills required to provide the treatment.
Dental implantology has seen a dramatic shift in the last decade for a variety of reasons including the incorporation of 3D tools for diagnosis and treatment planning, new implant surfaces and designs, bioactive materials, tissue engineering techniques, and minimally invasive surgical procedures. The combined effect of these innovations is a new paradigm of implant dentistry that is already changing the way clinicians treat edentulous patients and invasive surgical procedures. The combined effect of these innovations is a new paradigm in implant dentistry that is already changing the way clinicians treat edentulous patients and invasive surgical procedures.
The treatment of deep intraosseous lesions still represents a challenge for clinicians. Therefore, the purpose of this textbook is to present simplified procedures that can be used to treat even the most difficult clinical scenarios. Both surgical and nonsurgical regenerative treatment options are presented and discussed in detail, including types of instruments and regenerative materials to use, patient and defect evaluation, and step-by-step protocols for various evidence-based procedures. Detailed clinical photographs and radiographs accompany each discussion to demonstrate the ideal initial situation for each method and the impressive results that can be achieved by following it. A significant portion of the book is devoted to the single-flap approach, a technique developed and refined by the authors over many years to simplify surgical treatment while providing the best results for the patient.

In this book, the authors provide the first comprehensive overview of the basic principles, indications and clinical techniques of plastic-esthetic periodontal and implant microsurgery. The microsurgical procedures presented in the book are explained step-by-step in meticulously illustrated case examples. Checklists for the necessary materials, instruments and work steps are added to facilitate practical implementation of the microsurgical procedures. DVDs can be bought separately and feature state-of-the-art procedures for minimally invasive dental implant surgery in the esthetic zone. The editor has brought together a team of specialists who perform all the procedures and comment on them. A compact edition of this compendium is now available, featuring all ten volumes on four DVDs.

The association between periodontitis and systemic diseases has become a hot topic in recent years. This comprehensive book reviews the clinical evidence and biological plausibility of the many systemic diseases that have been linked to periodontitis. Edited by Dr. Josefine Hirschfeld and Prof Iain Chapple (University of Birmingham, UK), experts in each field discuss the mechanisms at work, citing the available literature and clearly summarizing current knowledge on the associations between periodontitis and diabetes mellitus, cardiovascular diseases, chronic kidney disease, inflammatory bowel diseases, rheumatoid arthritis, respiratory diseases, pregnancy and fertility, malignancy, neurodegenerative diseases, stress and depression, and autoimmunity.
Mucogingival Esthetic Surgery
Giovanni Zucchelli

This beautifully illustrated book explains the art and science of esthetic surgical techniques on the mucogingiva around natural teeth and implants. The author draws upon his extensive experience to show readers how to diagnose and treat mucogingival defects, with detailed coverage of the diagnosis of and the surgical options for covering varying degrees of gingival recession. The text features protocols for the treatment and preparation of root caries and noncarious lesions as well as the surgical procedures to cover exposed root surfaces and increase the volume of the affected gingiva. Throughout, the author places special emphasis on minimizing patient recovery time and postoperative discomfort while achieving the patient’s esthetic goals to the best extent possible. This comprehensive volume is a must-read for those seeking to learn or refine mucogingival surgery techniques.

Atlas of Periodontology and Implant Therapy
Antonio Carrassi | Pierpaolo Cortellini
Leonardo Trombelli (Eds.)

Developed under the guidance of the Italian Society of Periodontology and Implantology (SIdP) and with the collaboration of many of its most esteemed members, this two-volume book provides concrete recommendations to all dentists who want to incorporate the most important new research into clinical practice. As a comprehensive reference for effective patient treatment, this book facilitates the application of correct periodontal, implant, and restorative therapies as well as the prevention of complications.

Periodontal Diagnosis and Therapy
Giano Rocc | Mario Amnetti

Effective periodontal and peri-implant therapies are based on the fundamentals: formulation of a correct diagnosis, accurate treatment planning, precision in clinical treatment, and appropriate follow-up. This beautifully illustrated text addresses the nonsurgical and surgical therapies that can ensure the essential stability of the hard and soft tissues. Emphasis is placed on understanding the long-term behaviors of soft tissue and bone as well as on achieving successful long-term results.

Periodontal Regenerative Therapy
Anton Sculean (Ed.)
304 pp; 731 illus.; ©2010; ISBN 978-1-85097-158-0; £144 | €158

This book presents an overview of the use of contemporary regenerative techniques in the treatment of periodontal osseous and soft tissue defects. The authors present effective treatment paradigms that incorporate biologic concepts and biomaterial enhancements with predictable surgical techniques.

Nonsurgical Periodontal Therapy
Marisa Roncati
Indications, Limits and Clinical Protocols with the Adjunctive Use of Diode Laser
416 pp; 1,390 illus.; ©2017; ISBN 978-88-7492-045-7; £106 | €120

This book outlines the author’s clinically proven protocols for specific cause-related nonsurgical periodontal therapy, including diagnosis, treatment planning, and therapeutic interventions tailored to individual patient needs. With a focus on improved clinical outcomes, the author describes the most effective way to use manual instruments, the adjunctive use of the diode laser, and guidelines for periodontal maintenance.

Get Sharp
Nonsurgical Periodontal Instrument Sharpening
Marisa Roncati
132 pp; 300 illus.; ©2011; ISBN 978-88-7492-153-9; £23 | €26

Correct sharpening of nonsurgical periodontal instruments is essential for effective prophylaxis. Incorrect sharpening can modify the instrument blade and jeopardize safe treatment, and continued use of a dull instrument can lead to inadequate treatment, partial removal of calculus deposits, and compromised healing. This book simplifies key concepts to ensure restoration of the fine cutting edge as well as maintenance of the original design of the blade.
Augmented reality in treatment.

The author of this book proposes a simplified classification of endo-periodontal lesions that sheds light on an ambiguous pathologic situation that is often misinterpreted in clinical practice. The reader is guided through a systematic differential diagnosis to distinguish the signs and symptoms arising from each etiology and to determine how to proceed with treatment. Supported by a thorough analysis of the diagnostic, etiopathogenic, and clinical factors, each chapter focuses on how to perform a single clinical protocol under a dental operating microscope, step by step. Written at a specialist level, the book serves as a desk reference for clinical procedures and as a daily practical guide, but it contains information that is useful to anyone who aspires to perform endodontics at a high level.

The ultimate goal of endodontic treatment is either to prevent the development of apical periodontitis or to create adequate conditions for periradicular tissue healing. This book provides effective treatment options for achieving both goals. A thorough understanding of disease etiology, pathogenesis, and host-pathogen interaction issues sets the groundwork for effective endodontic treatment.

This book offers expert guidance to clinicians who have limited experience in the nonsurgical procedures involved in root canal therapy. Each of the 42 lessons offers useful, workable, and, above all, practical information and recommendations covering a specific aspect of endodontic care. Readers expand their knowledge incrementally, beginning with the essentials of patient diagnosis, examination, and record-keeping and progressing through lessons concerned with treatment planning and preparation for therapy; root canal instrumentation and obturation; and emergency and adjunctive procedures.

Supported by a thorough analysis of the diagnostic, etiopathogenic, and clinical factors, the author of this book proposes a simplified classification of endo-periodontal lesions that sheds light on an ambiguous pathologic situation that is often misinterpreted in clinical practice. The reader is guided through a systematic differential diagnosis to distinguish the signs and symptoms arising from each etiology and to determine how to proceed with treatment.

This study guide provides an essential framework for reviewing the core material covered by the board examinations and helps readers understand how best to prepare for them. With a focus toward clinical applications, the key topics of endodontics are covered in full, and the complex subjects of trauma and resorption are addressed in separate chapters with diagnosis and treatment protocols particular to these entities. To underscore the format of the oral examination, the authors have divided each chapter into the sections used in the examination—basic sciences, medicine, diagnosis, treatment protocols, prognosis, and complications.
Platelet-rich fibrin (PRF) is a second-generation autogenous platelet aggregation biomaterial with a wide range of applications in medicine and dentistry. PRF is already frequently used for procedures such as bone grafting and sinus augmentation, but its application can extend to surgical and nonsurgical endodontic procedures as well. This handbook, the first of its kind, is designed to help the clinician understand and use PRF in endodontics. It discusses the science, clinical applications, and techniques for specialists and general practitioners in a concise, easy-to-read format.

In recent years, cone beam computed tomography (CBCT) has become much more widely available and utilized in all aspects of dentistry, including endodontics. Cone Beam Computed Tomography in Endodontics is designed to inform readers about the appropriate use of CBCT in endodontics, and enhance their clinical practice with this exciting imaging modality.

Root canal treatment in many cases faces the dentist with biological, anatomical, technical and instrumental challenges and problems that often seem difficult or even impossible to deal with successfully. Identification and successful management of such difficult situations represent the main topic of this textbook. The nature and the background of several problems frequently seen in daily endodontic practice are presented, measures for prevention are described, and techniques and instruments for clinical management are discussed critically and referenced by scientific literature.

Before undertaking a removal attempt, clinicians must know how to determine when a broken instrument should be removed and when it should be left in place; the appropriate methods for broken instrument removal; and which instruments should be used for each level of difficulty. This DVD provides a simple, step-by-step strategy for instrument removal that can significantly improve the odds of successfully removing broken endodontic instruments from the root canal.
The book begins with a primer on occlusal anatomy, describing the specifics of each type of posterior tooth. This foundation supports the diagnosis and treatment of lesions, isolation, and cavity preparation for the buildup, as well as modeling, detailing, and finishing of restorations that closely mimic natural tooth anatomy for optimal esthetics and function. Numerous clinical tips and case examples are provided, and the procedural rationale is supported by scientific evidence, in addition to the authors’ considerable clinical experience.
This book showcases the many applications of next-generation flowable composites and presents each of them in step-by-step fashion. With the adhesive design concept and the injectable resin composite technique, these flowable composites can expand dental treatment options, improve precision and predictability, and reduce chair time.

Fear of pain is the number one reason people give for not making regular visits to the dentist. At the same time, a majority of dentists report experiencing anaesthesia-related problems during restorative dental procedures. If dentists are able to administer successful local anaesthesia, patient compliance and satisfaction are likely to improve. Pulpal anaesthesia is a vital part of the delivery of dental care for restorative dentists and endodontists. Administration of local anaesthesia is invariably the first procedure they perform and it affects everything they do thereafter. This book will help you successfully anesthetize your patients using the newest technology and drugs available.

This book presents an evidence-based approach to the restoration of pulpless teeth, and comprehensive, step-by-step descriptions of technical restoration procedures are included. This is a definitive reference for restoring pulpless or structurally compromised teeth.

This book captures the prevalence and multifactorial reasons for erosive tooth substance loss, including the diagnosis, severity index and incidence, progression, and risk factors. Prevention of erosions and therapy adjusted to risk and age, including deciduous teeth, are also covered. This book is illustrated with excellent clinical pictures and step-by-step instructions for the daily practice. The book can be recommended to all practitioners, students, and teachers as a valuable guide for diagnosis, treatment, and prevention of erosions.

This beautifully illustrated book documents the most significant developments in technology as well as changes in scientific understanding. The 25 substantive chapters cover the broad scope of restorative and preventive dentistry with topics including caries prevention, bleaching, dental erosion, endodontic therapies, and halitosis.

Through the presentation of numerous cases with long-term follow-up, the author provides clinical documentation of the functional and esthetic results that can be achieved using his multidisciplinary approach. Topics include diagnosis, indications for amalgam, adhesive systems, cavity preparation, buildup and preparation, endodontically treated teeth, inlay and onlay protocols, occlusal contacts, and enamel-dentin fracture lines.
While materials and techniques for creating beautiful indirect restorations are widely available, literature specifically applying these concepts to laminate veneers is lacking. This clinical handbook fills that gap by providing 20 simplified techniques that will enable dentists to obtain impressive results in every clinical situation using laminate veneers. Each technique is described step-by-step and beautifully illustrated, with digitally available clinical videos adding an interactive and engaging layer to the educational experience. All of the techniques in this book have three important things in common: they are feasible, they are teachable, and they are repeatable, making this book a practical and accessible guide for any clinician interested in providing minimally invasive esthetic treatment to their patients in the form of laminate veneers.

This book is the most comprehensive textbook yet written to detail the expanding field of porcelain laminate veneers (PLVs) in esthetic dentistry. The book examines the role of the esthetic dentist in understanding the needs of the patient and formulating a treatment plan that includes not only esthetic considerations such as color and smile design but also occlusal, periodontal and functional requirements. The book discusses PLVs and diastema closure, tetracycline discoloration and orthodontic treatment and includes a chapter on patient education in esthetic dentistry. New techniques to ensure minimal invasive tooth preparation and maximum space creation for the dental technician are explored, and their step-by-step applications make this book an invaluable text for dentists, dental technicians and the entire esthetic team.
Repositioning, connective tissue grafting, and ridge preservation with collagen membranes. Aesthetic contouring, immediate dentin sealing, and novel surgical techniques such as lip esthetic zirconia. New cases illustrate the maintenance of aesthetic restorative materials, a comparison of digital and conventional techniques, the resin composite injection communication with the laboratory, indirect composite chairside CAD/CAM restorations, and restorative dentistry complete with tutorial videos. New topics include web-based communication with the laboratory, inverse layering techniques, and use of advanced restorative materials. An excellent resource for clinicians looking to incorporate the latest techniques for predictable and stable aesthetic results.

This new edition offers the reader a newly illustrated overview of modern aesthetic and restorative dentistry complete with tutorial videos. New topics include web-based communication with the laboratory, indirect composite chairside CAD/CAM restorations, a comparison of digital and conventional techniques, the resin composite injection technique, as well as updated information on composites and ceramic systems, including esthetic zirconia. New cases illustrate the maintenance of aesthetic restorative materials, aesthetic contouring, immediate dentin sealing, and novel surgical techniques such as lip repositioning, connective tissue grafting, and ridge preservation with collagen membranes.

This atlas synthesizes the latest technological advances in aesthetic dentistry and shows how to successfully integrate them into clinical practice, including photographic documentation, aesthetic previews, inverse layering techniques, and use of advanced restorative materials. An excellent resource for clinicians looking to incorporate the latest techniques for predictable and stable aesthetic results.

An A to Z Guided Workflow

Global Diagnosis

A New Vision of Dental Diagnosis and Treatment Planning

The power of the Global Diagnosis system is that the diagnosis leads to the treatment plan. This book explains this clinical approach and shows how to diagnose and treat patients based on five CORE questions. Subsequent chapters outline treatment options. The final chapter challenges the reader to treatment plan cases with this system. Included is a CD with the CORE template for record keeping and case presentation.

Achieving a favorable aesthetic and functional prosthetic outcome requires progression through an intricate sequence of clinical steps. The first section of this beautifully illustrated, highly practical book guides the dental practitioner through each of these steps in the treatment of various common clinical situations. The second part addresses the technical and aesthetic aspects of dental laboratory techniques.
This book dives deep into dentofacial esthetics and teaches you how to evaluate each patient who walks through your door from the macro to the micro, focusing first on the big picture and then working your way to the minute details in order to treatment plan for the best possible outcome. The author’s goal is to educate dentists and orthodontists about what they should be seeing in order to yield maximally esthetic outcomes, taking into consideration concepts like esthetic balance and smile projection. This book will teach you to see the face and dentition in a different way, guiding you to understand what the problems are, how to think your way through them and put them in a perspective so that you and the patient can agree on the focus of treatment, and then how to choose the most appropriate and effective treatment methods. An invaluable resource for any orthodontist or esthetic dentist.
Motivation to pursue further treatment, such as orthodontic or restorative procedures, for some patients, it is the only treatment necessary; for others, having whiter teeth is often patients present in the dental office unhappy with their smile but daunted by the prospect of costly, lengthy, and possibly painful dental treatment. In almost every case, often for some patients, it is the only treatment necessary, for others, having whiter teeth is motivation to pursue further treatment, such as orthodontic or restorative procedures.

The videos in this 5 DVD set present the surgical concepts used to treat the most common aesthetic failures, such as malpositioned implants and facial bone defects. Techniques shown include the reverse torque technique to remove osseointegrated implants, full-thickness mucosal grafts, bone augmentation, and correct 3D implant positioning.

Contents: DVD 1: Implant removal technique in three patients | DVD 2: Failure of single tooth implant | DVD 3: Esthetic failure of two adjacent implants including a lateral incisor area | DVD 4: Esthetic implant failure in a site with two missing central incisors | DVD 5: Esthetic disaster case with three implants and a severe mucosal recession.
Written in collaboration with international experts from various fields of medicine, including basic scientists, clinician-scientists, experts in laser therapy and photography, as well as plastic surgeons and hair restoration surgeons, this book collectively offers a comprehensive approach to using platelet-rich fibrin (PRF) in facial aesthetics. PRF has been used for decades in regenerative medicine, and slowly it has made its way into the medical aesthetic arena, often used in combination with other leading therapies to support minimally invasive aesthetic procedures. This book therefore starts at the beginning, first exploring the biology and anatomy of the skin and hair before turning to clinical chapters on patient consultation, microneedling, skin and hair regeneration, lasers, and the use of PRF in plastic surgery. The final chapter looks to the future and considers what else could be possible. If you perform any facial aesthetic procedures in your office or want to learn how, this book is a must.

In our esthetics-obsessed culture, patients are becoming more aware and demanding of dermal filler treatments. This book walks you through how to incorporate dermal fillers into your clinical armamentarium, starting with the basic characteristics of the materials and advancing to the injection techniques and clinical indications for their use. The author includes such fine detail as whether to use a needle versus a cannula and why you must understand the precise tissue layers of the face in order to effectively deliver this nuanced treatment. This book focuses on facial analysis as a crucial step in determining appropriate treatment, a philosophy that is carried through the entire book. An entire chapter is devoted to clinical cases illustrating the various facial regions and their appropriate filler applications, clearly demonstrating how to use the techniques presented to optimize esthetics and facial harmony.

The mastery of dentistry brings esthetic knowledge of the face that is applicable to more than just the teeth. In the process of performing a complete facial analysis, the practitioner can identify asymmetries and concerns localized to an area—such as the forehead, eyebrows, nose, or lower face—and offer Botox therapy to increase facial harmony. This book outlines the many clinical uses for Botox, with detailed illustrations and case presentations to support each procedure. The first part of the book covers systematic facial analysis, photographic documentation, and how to plan treatment. Special attention is paid to the anatomy and physiology of the face and the identification of injection points. Detailed treatment instructions for dosage, syringe type, and needle size are included for each procedure, as well as guidelines on how to evaluate results anthropometrically to determine whether esthetic treatment goals have been met.

Written by internationally renowned specialists, Michael Kane and Gerhard Sattler, this book is a practical, unique, step-by-step guide to aesthetic procedural techniques using botulinum toxin A injections. With the help of 260 outstanding didactic photos and anatomical graphics, the book describes each facial procedure in terms of patient examination, the topography of the muscles and the treatment. The reader can further access invaluable and practical argumentation video sequences online via the QR codes contained in the book. Authentic case histories for procedures on the forehead, glabella, brow, lower eyelid, bunny lines, marionette lines, nasolabial folds, cheeks, gummy smile, upper and lower lip, chin, neckline and décolletage are supported by photographic documentation. Practical tips, pitfalls and checklists are also included.

Written by internationally renowned specialists, this book provides a practical, unique, step-by-step introduction to aesthetic procedural techniques for injectable skin fillers, with the help of 380 outstanding didactic photos and anatomical graphics. The reader can further access invaluable and practical argumentation video sequences online via the QR codes contained in the book. The book shows how to use fillers to rejuvenate the skin in the most common visible areas on the face, the neck and on the back of the hands. Authentic case histories for procedures in the mid-face, periorbital region, nasolabial folds, lips, marionette lines, forehead and chin are supported by photographic documentation. Practical product charts (“Filler navigator”), tips and checklists are also included.
In recent years, treatment with platelet-rich plasma, already firmly established in the treatment portfolio of orthopedic medicine, has also gained increasing popularity in aesthetic dermatology. It involves the targeted work-up of blood components, namely the platelet-rich fraction (PRP) of the patient’s own blood plasma, which is then reapplied. Sensational before-and-after images of treatment triumphs, stimulated expectations and interest in this method throughout the world. There are now numerous studies which substantiate the effect of PRP in aesthetic medicine. All the relevant aspects of PRP application are described in this Illustrated Guide. In addition to basic principles, possibilities and limits, it also provides a practical presentation of current systems for PRP harvesting. Striking photographic case histories extending over the course of several months demonstrate both the potential and the limitations of this method.

Illustrated Guide to Collagen Induction with Platelet-Rich Plasma (PRP)

Bernard C. Kolster | Uwe Paasch
Rejuvenation | Face | Neck | Décolleté | Hands
204 pp; 470 illus.; ©2019; ISBN 978-1-78698-029-8; £130 | €149

The Illustrated Guide to Eyelid and Periorbital Surgery uses the tried-and-tested concept of “hands-on” teaching, communicating practical knowledge to the specialist with a structured approach and eye-catching illustrations. Aspects of eyelid correction are presented from the expert's point of view, starting with the anatomical details of the eyelid region, via pre- and postoperative management and all the way to the individual surgical procedures. The instructions are clear and vivid, so they can be readily and independently implemented by the reader. Basic cutting and suturing techniques are taught using intraoperative photographs and high-quality illustrations. Individual indications are tackled with regard to individual planning, the operation and complication management.

Illustrated Guide to Eyelid and Periorbital Surgery

Alina Fratila | Alina Zubcov-Iwantschkeff | William P. Coleman
Applied Anatomy | Examination | Blepharoplasty
408 pp; 800 illus.; ©2015; ISBN 978-1-78698-272-3; £130 | €149

Written by a team of internationally renowned authors, the book provides a practical and unique, step-by-step introduction to chemical peels with the help of 306 outstanding didactic photos and anatomical graphics. Starting with basic current knowledge, the book provides the information needed for a successful peel, be it superficial, medium-depth or deep. The book combines experiences compiled internationally over several decades with those gathered by the authors themselves. Authentic, photographically documented histories of selected cases provide an impression of the efficacy and lasting results of this treatment method.

Illustrated Guide to Chemical Peels

Alina Fratila | Alina Zubcov-Iwantschkeff | William P. Coleman
Basics | Indications | Uses

Mesotherapy is a simple and effective treatment method. It involves the targeted administration of active medicinal substances into the skin and connective tissue in the form of microinjections. The method was developed more than 50 years ago by Michel Pastor in France, where it is regarded as an established procedure. The Illustrated Atlas of Esthetic Mesotherapy provides a step-by-step introduction to the practice of mesotherapy, with the help of 165 colour illustrations. Topics including skin rejuvenation (Mesolift), treatment of hair loss (Mesohair) and the treatment of local fat pads and cellulite are demonstrated in detail. The basics section of the book describes the active substances, legal issues, materials and techniques, while the practical section goes into regional methods, peeling post-treatments and combined therapy options. Photographic case histories confirm the authentic benefits and efficacy of mesotherapy.

Illustrated Atlas of Esthetic Mesotherapy

Britta Knoll
Active Substances | Dosage | Administration

There have been significant advances in the use of Botulinum toxin since the first edition of this book. In the meantime, it has become the treatment of first choice in a variety of indications, and is now also a firmly established therapy option in many additional indications in neurology, pediatric medicine, dermatology, urology and the treatment of pain. In its new edition, the Atlas retains its tried and tested structure: the key muscles which can be treated with Botulinum toxin are presented individually. A few muscles, such as the deep muscles of the neck, have been added. All these structures are grouped according to body region and illustrated with the aid of elaborate anatomical drawings. Of course, the revision takes into account new findings of recent years, especially the establishment of sonography as the most important tool for rapid orientation and safe injection.

Atlas of Botulinum Toxin Injection

Wolfgang Jost
Dosage | Localization | Application
QDT 2020 presents original articles introducing clinical and laboratory techniques for optimal esthetic results with newer dental materials. Digital dentistry is featured throughout, with articles offering innovative ways to incorporate a combined digital/analog approach to build character and natural esthetics in CAD/CAM restorations. The 3D-printed interim immediate complete denture, self-glazing liquid ceramics, Inside Out technique, and 3D Magic MakeUp are but a few of the novel procedures featured in this beautifully produced annual resource for the laboratory technician and restorative clinician.

QDT 2018 presents original articles with a beautiful array of images showcasing the year’s newest techniques, materials, tools, and innovations. This year’s focus is decidedly digital—digital treatment planning, digital communication, and digital multidisciplinary workflow for esthetic and functional rehabilitations. Minimally invasive techniques are highlighted throughout, including their use for full-mouth rehabilitation and to restore the morphology of teeth damaged by wear. A special “how-to” article on focus stacking macro photography by Carlos Ayala Paz is the first to be published specific to dentistry.

QDT 2017 celebrates its 40th anniversary in style with beautifully presented original articles on new materials and techniques for achieving the utmost esthetic restorative results. This year’s focus is on challenging esthetic cases, treatment planning for various restorative options, new techniques using zirconia, and taking CAD/CAM beyond its limits. The state of the art article presents the RAW digital workflow, and the Biomaterials Update features the Adhesive Restorative Complex concept. QDT’s new Masterclass article addresses the challenge of restoring a single central incisor. And the Masterpiece article this issue, presented by Naoki Hayashi, is a visual display of dental artistry.

QDT 2019 presents a potpourri of original articles highlighting new techniques and novel approaches for creating beautiful smiles - both in form and function. Featured articles include an innovative procedure for predictably matching a veneer to an implant crown, a program for producing a personalized smile based on its visual identity, and the Plane System for virtual functional and esthetic analysis, diagnosis, and CAD/CAM fabrication. These are but a few of the pearls found in this year’s beautifully produced annual resource for the dental technician and restorative clinician.

This book reviews practical solutions to clinical problems in prosthodontics and emphasizes the fundamentals necessary to elicit efficiency and success with every prosthetic protocol. The author demonstrates each step of prosthetic rehabilitation, starting with accurate impression taking, cast preparation and articulation, record taking, and thorough treatment planning. The sequences for fixed prosthodontic restorations are detailed in both arches for posterior full-coverage crowns, anterior porcelain-fused-to-metal crowns, and porcelain laminate veneers. Comprehensive illustrations complement the descriptions. This atlas outlines the theories, skills, and therapeutic philosophy that are crucial to achieving excellence in prosthodontic rehabilitation.

The second volume in the series reviews practical solutions to clinical problems in prosthodontics to achieve success in prosthetic protocols. The author covers tooth preparation for a fixed partial dentures, provisional prostheses, gingival retraction, custom resin trays, final impressions, try-in and cementation, and occlusal adjustment and analysis. Comprehensive illustrations complement the descriptions.
This book presents, concisely and precisely, what has to be considered and what must be
avoided in order to be successful with single-retainer RBFDPs replacing incisors. Although
the method is technically sensitive, it is simple and extremely reliable when adequate
procedures are employed. In the meantime, even the replacement of canines and premolars
appears to be promising if the principles outlined in this book are applied. Numerous
high-quality figures detail the procedures for metal-ceramic and all-ceramic RBFDPs. Many
illustrated cases, some with 20 and more years of follow-up, document the development of
the success story of RBFDPs.

This exceptional work describes and illustrates the long-range (spanning 15 to 23 years)
application of magnetic attachment.

For implant bodies, fractured roots, and denture repair. An essential guide for the clinical
application of magnetic attachment.

When used in well-designed prostheses, magnetic attachments provide straightforward
methods for partial denture design is presented. Also included are alternative removable
prosthesis placement. Common design philosophies are discussed, and a step-by-step
procedure for digital design and manufacturing of RPD frameworks highlights new technology in this
emerging field. Additional topics include optimizing esthetic outcomes through attachments
and rotational path RPDs as well as applying the RPI system to patients with maxillofacial
defects.

This textbook provides an overview of Kratochvil's design philosophy and the basic
principles of biomechanics it is based upon. Topics include components of RPDs and
their functions, design sequences for maxillary and mandibular RPDs, and techniques for
surveying and determining the most advantageous treatment position. A chapter dedicated
to digital design and manufacturing of RPD frameworks highlights new technology in this
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illustrated cases, some with 20 and more years of follow-up, document the development of
the success story of RBFDPs.
This book conveys not only the practical knowledge of dental anatomy but also the art of recreating it in a dental prosthesis. The author demonstrates that for every morphologic feature there is an explanation in nature, assigning significance to every minute feature of dental morphology. Organized by tooth and region, this book views morphology through a clinical lens and repeatedly draws connections between anatomical features and clinical concepts. The fundamental knowledge presented in this text is essential as a foundation for further clinical skills and will be useful for students and specialists alike.

This book guides readers, step-by-step, through the author’s revolutionary wax-up technique to recreate the complex morphology of premolar and molar teeth. Lavishly illustrated throughout, each chapter builds technical knowledge with chapters on nomenclature, morphology, wax handling and application, functional wax-up sequences for maxillary and mandibular dentition, and adhesive cementation and culminates in a series of impressive clinical cases. A must-have resource for any dental technician wanting to review occlusal form and improve the functional morphology of posterior restorations.

This DVD includes a presentation of the occlusal compass, the applicable anatomy, nomenclature and “dental coordinate system”, the waxing-up of all segments of an upper molar and an entire quadrant following NAT. A step-by-step demonstration is given on how to locate contact points, also showing where spaces must be maintained.

This book is a comprehensive prosthodontic treatment guide that outlines and explains the various aspects and possibilities of medical and dental treatment planning as it exists today. The content is logically organized in a step-by-step manner and addresses a wide audience: prosthodontic specialists, graduates and postgraduate students, general practitioners, and specialists in other dental fields. Topics include the goals of treatment planning, prosthodontic tools, first meeting with the patient, diagnostics and prognostics, intraoral and extraoral physical examination, types and structure of prosthodontic treatment, the writing of a treatment plan, and more.

This atlas is intended to be an accessible and quick-to-consult volume where the reader can find useful suggestions for many techniques, from the not-always-simple single-tooth restoration to large rehabilitations that present complexity in terms of precision, functionality, and esthetics. Performing the illustrated techniques correctly and choosing the right materials, together with the use of emerging technologies within the field, can guarantee dental technicians and their teams successful prosthetic restoration and patient satisfaction.

This stunning atlas represents over 25 years of dedicated study into the optical behavior of teeth and restorative materials. Although the authors wow readers with dazzling photography throughout, this book moves beyond a mere clinical art book that only shows what is possible. The practical purpose of this book is also to outline the clinical sequences of how to use composite resins and dental ceramics to achieve the optical characteristics observed so exquisitely in natural teeth. By blending art and dental science, the authors have created an ultimate textbook on dental anatomy and restorative dentistry that explores the underlying makeup of the layered structures of the teeth.

The creation of truly natural-looking tooth restorations demands equal attention to biology and art. Without proper concern for function, the most esthetic of restorations will fail. The photographs that fill the pages of this exquisite book demonstrate techniques for creating natural-looking yet functional ceramic restorations that were designed by one of the world’s master ceramists.
Part 1 describes how to identify existing problems by gathering, organizing, and analyzing information obtained during clinical examination. Examination checklists and forms are included to ensure that no important information is left out during the evaluation process. Part 2 focuses on providing solutions to identified problems via restorative treatment options, highlighting the use of implant-supported restorations in the treatment of both partially and completely edentulous arches. Part 3 details how to present treatment options to the patient and includes aspects related to patient education, treatment plan presentation, and obtaining informed consent from the patient.

This textbook presents a methodic and scientifically based approach to fixed prosthodontics. By addressing the strategic, operational, and technical aspects of prosthetic dentistry, the author outlines the clinical steps of restorative dentistry and simplifies the complex concepts that students struggle with in the early phases of professional development.

Every aspect of treatment is addressed, including diagnostic procedures, choice of implant and abutment types, data transfer to the laboratory, laboratory procedures, surgical procedures, choice of restorative materials, delivery of the provisional and definitive prostheses, complication management, and instructions for hygiene and follow-up care.

For a quarter of a century, this classic textbook has introduced students of dentistry and dental technology to the theory and step-by-step technical procedures for physically constructing an esthetic metal-ceramic restoration. As always, it illustrates how to achieve esthetic results to rival those of all-ceramic materials through treatment planning, clinical procedures, and dental laboratory steps executed at their highest levels.

This atlas reviews 75 different types of attachments. The classification of these connectors by concept (function; mechanism; and location, such as intracoronary, extracoronary, on bars, or for overdentures) allows for better clinical decision-making and improved communication between dentists and laboratory technicians. Laboratory procedures are detailed step by step.

This DVD presents a restoration technique that stabilizes complete dentures on a prefabricated prosthetic bar supported by two implants. This approach allows for immediate prosthetics without the need for custom retention elements. Immediate loading is possible because the retention bar ensures primary stability and the locking mechanism eliminates unwanted retraction forces.

This comprehensive textbook describes the philosophy behind prosthodontic design and systematically details all of the working steps in designing and fabricating restorations and dentures. Unlike other prosthodontic texts, this one is written from a design perspective first and foremost, explaining the rationale behind the most minute of design considerations, such as different extension arms in removable partial denture clasps. Entire chapters are devoted to supporting elements of restorations.
Mandibular Suction-effective Denture „The Professional”
Clinical and Laboratory Technique for Class I/II/III with Aesthetics
188 pp; 191 illus.; ©2019; ISBN 978-4-7812-0676-9; £108 | €120

The Suction-Effective Mandibular Complete Denture Fabrication Technique advocated by Dr. Jiro Abe has reached the common sense area by the success of many clinicians who learned this technique all over the world. And now, it is focused on the application of this technique to refractory cases. Therefore, in this book, as well as the basis of the mandibular suction effective technique, Angle’s Class 2, Class 3 commentary on how to cope with difficult cases. It also refers to the production of aesthetic complete dentures. This is the essential book for dental physicians/dental technicians who engaged in complete denture treatment.

Waxing for Dental Students
88 pp (spiral bound); 388 illus.; ©2018; ISBN 978-0-86715-773-4; £45 | €58

This concise book is directed to first-year dental students and can be used as a primary laboratory manual. The bulk of the book details the steps for waxing incisors, canines, premolars, and molars. Each chapter includes an introductory waxing exercise, followed by the key points of morphology for the tooth in question. Photographs detail the waxing steps and show how the wax-up should mimic the contralateral tooth. The logical and straightforward protocols in this book will help dental students quickly improve their waxing skills and reach expected goals.

Aesthetic Dental Strategies
Art, Science, and Technology

In this beautifully illustrated volume, the author explains how to achieve natural tooth forms through simple observation in order to create dental restorations that look natural. All the optical properties that must be recreated in restorations to achieve lifelike results are analyzed, and clinical cases provide practical application of these concepts.

The Complete Denture
A Clinical Pathway

This book explains how to effectively rehabilitate edentulous patients, step by step. With a focus on accurate diagnosis of systemic and local problems as well as prosthetic design, the author outlines a standardized path to mastering the art of fabricating a complete denture.
The introduction delineates the distinction between science and the clinical art, application of the best available evidence, the scientific method and poses basic clinical questions related to the challenges of restoring the dentition and the dental occlusion. The first section of the text covers evolution of the masticatory system, growth and development, neuromuscular physiology, orofacial pain, neuroplasticity and biopsychosocial concepts of pain and TMD. The second section addresses fundamentals of occlusion, functional anatomy of muscles, TMJs, mandibular dynamics, the class I occlusion and fundamentals of esthetics. Natural variety of morphologic skeletal, dental, occlusal variants and occlusal interferences are covered in a separate chapter. The three major components of the masticatory system, posterior occlusal support, vertical dimension of occlusion and anterior (excursive) guidance are each addressed in separate extensive chapters reviewing each topic in depth. The third clinical section starts with chapters on occlusion in implant dentistry and dental articulators. The following chapter presents current diagnostic and treatment planning methodologies followed by chapters on restoring class I, II, and III dentitions and aberrant jaw relations. A special chapter on esthetic perspectives features three invited international renowned clinicians presenting cases representing esthetics and the current highest state of the clinical art. Further chapters detail the restoration of the periodontally involved dentition, treating and restoring severe tooth wear and bruxism, implant supported restoration and computer assisted implant planning and placement, and finally the management of temporomandibular disorders.
Sleep apnea affects millions of people worldwide, yet according to current estimates, only 5% of cases are diagnosed and treated. Treatment of sleep apnea requires interdisciplinary cooperation between sleep medicine specialists, dentists, and dental technicians. This three-part DVD provides a complete guide to treating the two main causative bite disorders, bruxism, and pain, along the way guiding dental practitioners in performing their specific responsibilities for screening, treating, and often referring patients as part of a multidisciplinary team of physicians.

Bruxism is one of the "diseases" of the 21st century and acknowledgment of its destructive nature in the last fifteen years highlighted the hesitations of the profession and the questions of patients. Since the first book dedicated to bruxism, knowledge has rapidly improved to define today different types of bruxism in what used to appear as an "unmanageable" phenomenon. Thanks to a better understanding of bruxism during the last decade, the treatment of patients with bruxism is not only more conservative but also dental practitioners can consider diverse etiologies or aggravating factors that may lead to a differential diagnosis with several potential therapeutic approaches conversely to what has been done for too many years. This well-researched book, with many international contributors, is currently the best available overall summary on bruxism for the dental practitioner and the most conservative answer for treatment of patients.

This book is divided into three sections: the first deals with bruxism knowledge and guidelines for diagnosis, sleep physiology, the main etiological theories, the influence of peripheral and emotional factors, and movement disorders and bruxism in children; the central section is devoted to the effects of bruxism on the different masticatory system components, including the noxious action of bruxism on dental pulp, periodontal ligament, TMJ, muscles, and its relationship with pain; and the final section encompasses different aspects related to the treatment of bruxism, including the pharmacological effects of certain central-action drugs and some peripheral-action drugs, such as the botulinum toxin, the treatment of bruxism through dental implants and the recommended dental materials.

This book is the how-to guide, a gateway to a successful dental sleep medicine practice. Written by two experts in the field, it clearly delineates the dentist’s role in the treatment of SRBDs and gives practical advice on how to incorporate dental sleep medicine into an existing dental practice, as well as how to work with sleep physicians to best support patient care. In addition to step-by-step instructions for examination, appliance selection, and follow-up care, complications of OAT, legal issues, and medical insurance and Medicare considerations are included to fully prepare the dentist for the journey into dental sleep medicine.
This multidisciplinary textbook presents a unique approach to diagnosis and management of the various temporomandibular disorders. Written by a large group of eminent researchers and clinicians, it links current scientific concepts of basic anatomy, physiology, biomechanics, and pathology of the temporomandibular joint with specific diagnostic and treatment protocols that are based on sound clinical data. Thus, in keeping with the current thrust in medicine and dentistry, the book provides access to the best available evidence so that clinicians can make informed rather than empirical decisions about what is appropriate therapy. Where lack of data or rapid changes in a particular discipline do not allow for evidence-based conclusions or recommendations, the book highlights the areas of agreement and disagreement in order to expose the deficiencies in our present knowledge base.

Flossing has been known as an effective muscle-building tool for longer than that: in 2004, the Japanese authors Takarada and Tsuruta described the positive association between flossing and low-resistance muscle building. How does flossing exert its effect? Among other things, flossing produces rapid pain relief by influencing the fascias or fascia system without exposing the body to medication. The method’s possibilities and limits, along with its theoretical basis, are described in detail in this book. Flossing as a practical treatment is demonstrated with step-by-step explanations. This ensures that each flossing wrap and active exercise is easy to understand and can be readily implemented. With the aid of the treatments demonstrated in the book, flossing practice can be learned easily and safely, allowing the reader to experience its amazing potential in controlling pain and building muscle.

Clinical oral physiology is the part of dentistry linking physio logical and pathophysiological knowledge to a variety of frequently encountered problems in dental practice. These include, for example, disturbances affecting saliva formation, taste, chewing, swallowing, speech and also orofacial pain. The present textbook provides a comprehensive overview of the underlying basic physiological mechanism and their clinical implications. The easily-read and systematic format of the book targets dental students as well as clinicians who want to be updated with the latest scientific achievements on this topic.

The authors of this book bring a decade of research on how to recover the patient’s lost function with implant placement and immediate loading. In addition, orofacial muscle training in conjunction with an immediately loaded implant-supported provisional restoration improves the appearance of the face and the function of both facial expression and masticatory muscles. This book is the clinician’s guide to creating treatment goals together with patients.
Using simplified cephalometry and treatment mechanics, the introduced New Straight Wire (NSW) technique uses a table to systematically calculate and plan the necessary tooth movements before treatment, following the same parameters for each and every patient regardless of malocclusion. The treatment is therefore "verified" before beginning; the teeth can be placed in the planned positions to check that the resulting occlusion satisfies esthetic and functional goals for each individual patient. This book therefore teaches how to achieve Class I molar occlusion with proper overjet and facial esthetics every time, regardless of the pretreatment condition.

This book presents the essentials of orthodontic treatment using mini-implants: selection, placement, biomechanics, diagnosis, and treatment strategies. The authors detail the biomechanical application of mini-screw-supported alveolar anchorage in precise and effective therapeutic protocols to treat every type of malocclusion, including orthodontic movements that were difficult or even impossible to achieve previously. The authors also discuss the management of mini-implants in multidisciplinary treatment. With clearly defined indications, codified protocols, and reproducible therapeutic efficacy and clinical results, this book details a full-fledged treatment system.

This text covers the various types of impactions, including maxillary central incisors, maxillary canines (both labially and palatally impacted), mandibular canines, premolars, and mandibular molars. Each chapter focuses on a specific impacted tooth and how it can be surgically uncovered and orthodontically moved.

This book outlines the guiding principles of clinical therapy to maintain or recover function as part of orthodontic treatment. The author presents carefully weighed diagnostic approaches and functional recovery therapeutic procedures. The importance of thorough diagnostic imaging for individualized treatment is emphasized in two phases: musculoarticular therapy and orthodontic occlusal finishing. A discussion of the use of various splints focuses on successful use of the six-point and anterior repositioning splint.
Clear aligners are the future of orthodontics, but digital orthodontics evolves so rapidly that it is hard to keep pace. This book approaches clear aligner treatment from a diagnosis and treatment-planning perspective, discussing time-tested orthodontic principles like biomechanics and anchorage and demonstrating how to apply them to orthodontic cases using these appliances. Each chapter explains how to use clear aligners to treat a given malocclusion and teaches clinicians how to program a suitable treatment plan using available software, how to design the digital tooth movements to match the treatment goals, and finally how to execute the treatment clinically and finish the case well.

This excellent manual details the solutions possible through the use of the STb light lingual system and its innovative variable friction lingual bracket. The authors detail improvements such as improved patient comfort, increased predictability of results, shortened treatment times, and decreased laboratory work.

The aim of this book is to describe this new therapeutic procedure. Chapter by chapter we will present the technique, covering materials used, clinical procedure in forming appliances, bonding to dental surfaces, and subsequent monitoring. Detailed analysis will be provided of the forming, activation, and bonding of appliances in the control of specific tooth movements.

This book presents tips and strategies on how to integrate the Invisalign system successfully into clinical practice. The authors review the diagnostic protocols and the biomechanics of aligners before presenting Invisalign treatment protocols. With the support of accompanying case documentation, discussion of each malocclusion includes information of the associated symptoms, the rationale behind the selected treatment approaches, and the various outcomes achieved. The last section of this book deals with the advantages of the Invisalign system and can help patients and clinicians in deciding whether this system can provide optimal treatment outcomes for a particular clinical situation.

This book takes the author’s experiences from daily practice with lingual orthodontics—including mistakes and achievements, successes and failures—and translates them into useful, step-by-step procedures for the various applications of lingual orthodontics. All procedures are detailed with complete photographic documentation. Throughout, the author focuses on the patient-professional relationship, underscoring the point that the orthodontics should be performed for the patient, not the professional, and that the patient should always be treated as more than a malocclusion.

The orthodontic setup is meant to provide a three-dimensional representation of the occlusion at the end of treatment. Although the orthodontic setup was first described by Kesling in 1945 and has since then become an indispensable tool for diagnosis and the construction of customized appliances, there are no standardized guidelines that are approved and used by professional organizations and manufacturers. This makes it very difficult for orthodontists to provide orthodontic technicians with precise objective information on the final position of the teeth. Orthodontic technicians must therefore draw on their personal experience, know-how, and best professional practices.

This book is based on more than 30 years of scientific and clinical work with the Herbst appliance in the therapy of Class II malocclusions. With respect to the clinical use of this non-compliance fixed functional appliance, the following main topics are elaborated on: Additionally, this book addresses the possible harmful effects of the Herbst appliance on the temporomandibular joint, the anchorage teeth, and the tooth-supporting hard and soft tissue structures.
Although most orthodontic curricula provide courses on interdisciplinary orthodontic-periodontic treatment, there are still surprisingly few resources on the topic. Written by leading scholars in the field, this book provides a broad analysis of the topic from both the periodontal and orthodontic perspectives. The authors systematically analyze the scientific and clinical interactions of these specialties by reviewing all the available evidence and using case studies to demonstrate principles discussed in theory. The result is a text that outlines the treatment fundamentals and shows how to improve the therapeutic outcomes involving orthodontic-periodontic interventions.

The first three chapters deal with the historical aspects of retention, the biological basis for relapse, and the available evidence on retention; the next six chapters cover the stability and relapse tendency of orthodontic treatment of incisor irregularity, class II, class III, transverse, and vertical problems, as well as orthognathic surgery outcomes; the final four chapters cover retention protocols and materials, including removable and fixed retainers, the materials and biomechanics of fixed retention, and the long-term effectiveness of fixed retainers.

With so many factors influencing long-term stability, this book consolidates the 20 principles of the Alexander Discipline outlined in volume one into 6 guidelines for approaching long-term stability in orthodontics, focusing on the periodontium, torque control, skeletal and transverse control, occlusion, and the soft tissue profile. Each guideline is presented with empirical over many years in the author’s own practice. Complete records of patients treated by the author are presented to demonstrate specific results and the stability of treatment.

Following in the footsteps of the previous two volumes, this third volume of the Alexander Discipline, focusing on unusual and difficult cases, demonstrates through the presentation of complete patient records how these principles can be used to achieve beautiful, functional, and stable results even in patients requiring creative treatment planning and treatment mechanics. In the situations presented in this book, there is no one right answer to the problem, and the orthodontist must have the confidence and relevant knowledge to formulate the treatment plan most suitable for each patient.
when changes are made in a practice. Common sense measures based on an understanding of the cause and effect that occurs are more important than complicated management strategies and cost-cutting techniques and instead implement these strategies based project management principles into their practice. The story provides a relatable way to understand the approach presented, which encourages dentists and their staff to resist the temptation to adopt the latest scientific jargon and instead focus on practical strategies.

This evidence-based textbook presents the essential communication strategies clinicians should know to facilitate interaction with patients. With a focus on practical strategies instead of dense communication theories, the authors facilitate improved patient-provider communication and demonstrate how to elicit accurate patient information during the health interview, communicate effectively during examinations and procedures, and present preventive and restorative treatment plans from a patient-centered perspective.

Written as a novel, this story reveals how to improve your practice in a few weeks and achieve exponential growth in the first 4 years. Dental practitioners and their staff will find engaging this story an easy and fun way to learn how to implement powerful, scientifically based project management principles into their practice. The story provides a relatable way to understand the approach presented, which encourages dentists and their staff to resist complicated management strategies and cost-cutting techniques and instead implement common sense measures based on an understanding of the cause and effect that occurs when changes are made in a practice.

This book presents full-page images to show how various areas of the mouth can be restored and transformed to make the smile more esthetic. Before-and-after photographs of exceptional quality reveal the significant improvements that are possible with procedures as simple as crown lengthening, composite restoration, or veneers. Other topics include all-ceramic crowns, fixed partial dentures, critical tissue grafting, implant therapy, and esthetic contouring. The author also discusses tooth fracture and diastema closure, missing teeth, noncarious lesions, sealants, interproximal restoration, inlays and onlays, minor orthodontics, bleaching, and root canal therapy. Smile! Your Guide to Esthetic Dental Treatment is the perfect tool for showing patients how they can benefit from esthetic dental treatment.

Dental clinicians have a responsibility to teach patients the importance of oral health care, and this book shows adult patients what can happen if they neglect their teeth. It presents full-page images to show what plaque, decay, and gingivitis look like and how they can contribute to periodontal disease and tooth loss. It also instructs the reader on the proper brushing and flossing techniques to prevent such negative outcomes. With the combination of exquisite clinical images and descriptive yet succinct text, What’s in Your Mouth? Your Guide to a Lifelong Smile is an excellent chairside tool for patient education on oral hygiene.

This book is written for senior dental students and recent graduates on the verge of entering the exciting and sometimes bewildering business of dental practice. The contributors, all of whom have experience in both—private practice ownership and practice management—education, offer advice and practical information to help new dentists start a successful career, without overwhelming them with business jargon and financial minutiae best left to accountants and business advisors. The introductory chapter helps readers examine their goals and objectives to determine their ideal career path. Subsequent chapters address issues such as finding a first job, purchasing or starting a new practice, insuring a practice and oneself, communicating with patients and staff, understanding basic financial aspects of dental practice, complying with regulations, managing managed care, and formulating a business plan.

In order to respond to the wishes and demands of dentists-existing and potential patient populations, learning how to build and manage this segment of the practice is essential. While aesthetic care has been a part of dentistry for many decades, very few practices are doing as much aesthetic dentistry as they desire. The purpose of this book is to provide dentists with the guidelines and strategies to make that happen. Along with Drs Greenwall and Jameson, the reader will hear from some of the best aesthetic dental practitioners from around the world. Each chapter is interspersed with their organizations. Outstanding members of their teams give you their insights along with the thoughts and reflections of the dentists.
The proportion of elderly adults is rapidly increasing as life expectancy increases. Many of these adults will not retain sufficient numbers of teeth for the remainder of their lives, and will require complete dentures at some point. This book deals with the planning, construction and review of complete dentures and examines the role of osseointegrated prostheses in the management of edentulism.

Oral medicine is a subject of increasing importance in dentistry, permeating virtually all areas of clinical practice. This book covers the main concepts of oral medicine in a practical manner, allowing the reader to develop an understanding of the investigation and management of the various nonsurgical conditions that can affect the oral tissues.

This book concisely outlines the clinical advantages and disadvantages as well as indications and contraindications of different materials. Topics include finishing and polishing restorations and the use of dental curing lights.

Imaging is key to clinical practice. To maximize the potential benefit to their patients, clinicians need to understand how contemporary imaging systems work. This book offers a comprehensive introduction to state-of-the-art dental imaging, in particular to the complexities of digital radiology and the advanced techniques available for cross-sectional imaging.

People who have a mild or moderate disability—whether physical, sensory, intellectual, mental, medical, emotional, or social in nature—can and should receive dental care in mainstream clinics and private practices. In most cases, however, the average clinician has no training or experience in treating this population of patients. This book examines the principles governing special care dentistry and provides knowledge, information.

This book focuses on major communication challenges in clinical practice—that is, communicating effectively with anxious, “difficult,” or dissatisfied patients; communicating and integrating preventive and oral health messages and education in primary dental care; and finding ways to improve patient care without adding to the stress of frontline clinical practice. Implementing the strategies devised by these international experts can dramatically improve the success of any dental practice.
Infection control is central to the clinical practice of dentistry. This book deals with infection control risk, medical histories and personal protection, surgery design and equipment, instrument decontamination, disinfection and ethical and legal responsibilities in infection control. It explains the reasons why we perform infection control and practical ways to do it and will be of interest and practical help to all the dental team.

Practitioners who use panoramic radiography have an obligation to keep abreast of the indications and clinical justifications for its use. They also must have knowledge of relevant radiation doses, risks to patients, and quality assurance protocols. This book addresses each of these issues in addition to providing practical guidance on its everyday use.

The need for an effective risk—management strategy for the dental profession has never been greater as dentists face the dual challenges of regulation and legislation as well as coping with the heightened expectations of an informed public. This book explores the many facets of risk management, including consent, ethical issues, effective communication, complaints handling and risk assessment.

This book explores the interface between clinical dentistry and the management of a modern dental practice. It covers a range of business areas, including the principles of financial management and the use of financial ratios and indicators in relation to practice profitability. There will be an overview of modern marketing techniques including the concept of branding.

This unique book considers the concept of quality as it relates to the provision of dental care. For the author’s purposes, quality is defined in relation to the process of care, the service given, the people delivering the care, and the environment in which the care is provided. In each of these various facets of dental care, the author considers the process of measuring, assessing, improving, and monitoring quality and its impact on the way we work and live.

In the modern world, new information is constantly being produced that affects patient treatment, and clinicians need the skills to evaluate and apply pertinent information to their practice. This book outlines the key concepts of evidence-based dentistry and illustrates the process from analysis to implementation using relevant clinical examples.

The dental team approach is the future of oral healthcare provision. Team members must have shared goals, understand their roles and responsibilities and must react to situations as a team. This book promotes the adoption of the team approach so important in modern oral healthcare provision.
Managing Endodontic Failures in Practice, provides a concise, practical overview of the “when” and “how” to save teeth with an unsatisfactory, and often deteriorating endodontic outcome. From diagnosis to the monitoring of successfully retreated teeth, Managing Endodontic Failures in Practice is clearly the work of an endodontist “in the know” and “up to speed” on the latest thinking, developments and techniques.

Managing Endodontic Failures in Practice has been written to help all those practising endodontics to meet this challenge. From anatomical considerations through the “thrill of the fill” and pointers to long-term outcomes, the many complexities of state-of-the-art endodontics are explained and beautifully illustrated in most careful detail.

Dental erosion is increasingly common. Its effects can be profound with lifelong consequences for the general and dental health of affected individuals. This book seeks to provide a framework of knowledge, in an easy-to-use format, to enable the dental team to manage effectively those with dental erosion. A concise, evidence-based approach is adopted that is illustrated with examples of real cases. Many useful practical tips on treating such patients are given.

This easy-to-digest book offers expert guidance in each of the procedures involved in preparing for and placing indirect restorations. Written for students and novices, it walks readers through the steps of tooth preparation, shade taking, fabrication of the provisional restoration, impression taking, assessment of the occlusion (with and without an articulator), and crown placement. Clinical advice and expert tips for managing each phase make this book a valuable adjunct to the training one receives in dental school.

Dentin bonding systems, composite resins, and fiber posts have widely replaced cast posts and amalgam as core materials. In addition, all-ceramic and composite crowns have replaced metal ceramic crowns for aesthetic restorations. This book provides the general practitioner with some principles and techniques for the adhesive restoration of endodontically treated teeth.

As our ageing population retain more teeth into old age, the burden of dental maintenance increases. This text presents an overview of these challenges facing the dentist and how edentulousness in old age can be prevented with long-term treatment planning. Treatment strategies designed to minimise risk to the remaining natural dentition are also described.
Periodontal Medicine is a sub-discipline of Periodontology which deals with non-plaque-induced conditions/lesions of the periodontal tissues, including the periodontal manifestations of systemic diseases and syndromes. It reminds us of the often forgotten and frequently ignored medical aspects of a traditionally surgical discipline. This heavily illustrated text attempts to guide the reader through over 100 conditions using their clinical presentation as the guiding principle to categorization.

Non-surgical treatment of patients with gingival and periodontal diseases can be undertaken by the general dental practitioner through the management of common and well-established risk-factors and the use of treatments adjunctive to conventional methods of scaling and root surface instrumentation. The goals and objectives of these procedures and the importance of supportive periodontal care are fully examined in this book.

This book aims to provide an evidence-based and highly illustrative approach to a comprehensive repertoire of surgical procedures, including: basic principles, resective surgery, regenerative techniques and periodontal/per-implant plastic surgery. It emphasizes the importance of case selection and planning to successful outcomes and extols the benefits of microsurgical instrumentation. The distinction between periodontal and other forms of oral surgery is made, principally that in periodontal surgery, the contour and quality of the tissues post-operatively is vital to longer-term success and therefore careful soft tissue management is pivotal.

This is a practical guide to the management of the patient from childhood through to young adulthood with gingival and periodontal diseases. It provides a simple step-by-step approach to periodontal diagnosis and subsequent management for the general dental practitioner, emphasising the value of teamwork and including an awareness of when to treat and when to refer to a specialist periodontist.

High-quality dental patient management demands an appropriately skilled team. It is the general dental practitioner’s responsibility to co-ordinate the team and to take overall responsibility as the team leader. Your team provides all the specialties necessary to achieve a stable, functional, aesthetic masticatory unit, which not only encompasses the management of periodontal disease, but integrates a treatment plan the patient can maintain.

From patient assessment through to managing complications and emergencies, with chapters on surgical principles, relevant pharmacology and the various types of surgery undertaken in clinical practice, the text is logically structured, easy to read, exceptionally well-illustrated and peppered with practical guidance.

Control of anxiety and pain is fundamental to the practice of dentistry, but the clinical experience of dental graduates in the UK in the administration of both inhalation and intravenous conscious sedation can be limited. This book examines the pharmacology and principles of safe sedation practice, basic physiology and anatomy of the respiratory and cardiovascular systems, standards of good practice and medicolegal considerations.

This book aims to bridge the gulf between the complex pathobiology of periodontal diseases and their assessment and diagnosis in dental practice. It provides a visual tour of the periodontium, how the host responds to periodontal pathogens, and reclassifies the diseases and their assessment and diagnosis in dental practice. It provides a visual tour as the guiding principle to categorization.

This book aims to provide an evidence-based and highly illustrative approach to a comprehensive repertoire of surgical procedures, including: basic principles, resective surgery, regenerative techniques and periodontal/per-implant plastic surgery. It emphasizes the importance of case selection and planning to successful outcomes and extols the benefits of microsurgical instrumentation. The distinction between periodontal and other forms of oral surgery is made, principally that in periodontal surgery, the contour and quality of the tissues post-operatively is vital to longer-term success and therefore careful soft tissue management is pivotal.
This book presents a review of demographic changes in the partially dentate population, the increasing availability of alternative treatments, and evidence for the long-term effectiveness of partial dentures. In addition, it provides evidence-based guidelines that practitioners can apply to the design, preparation, completion, and maintenance of removable partial dentures in their everyday clinical practice.

The practice of fixed prosthodontics has undergone many changes in recent times with significant developments in dental materials and principles of adhesion. However, tooth preparation is still guided by the need to preserve tooth tissue, generate space for restorative material and reshape the tooth to a cylindrical form with a defined finish line. This book carries these principles as a common theme and delineates the stages of prosthesis construction.

This best-selling book adopts a clinical approach to understanding occlusion and demystifies it for dentists and students. An accompanying narrated DVD-ROM provides 3D animations that clarify the effects of jaw movement. Comprehensive clinical videos demonstrate the process of investigating and managing real-life occlusal problems. This is an essential guide to understanding occlusion.

This volume is not intended to serve as a definitive textbook on aesthetic dentistry; rather, it provides tips and hints designed to help practitioners improve their practice of everyday aesthetic techniques. The basic theories underlying the advice presented are also well explained.

Dentistry can provoke great apprehension in children, and successfully managing younger patients presents both the greatest challenge and the greatest reward for a dentist. This book is less about child taming and more about training the dental team and parents to work together to ensure that children's visits to the dentist are pleasurable experiences.

Increased media attention and research have heightened awareness of dental implants as an option for missing teeth. The general practitioner is now expected to offer implants when discussing restorative treatment with patients. This book aims to explain current best practice in the principles of patient assessment and treatment planning, implant selection criteria, and surgical and restorative treatment protocols for achieving optimum functional and cosmetic results according to each individual patient's clinical needs and requirements.

Teeth are important to children, particularly primary teeth. What can be done in the dental surgery to prevent disease? Moreover, the anatomy of primary teeth results in pulpal change faster. Fortunately, restorative techniques are simpler. This book unravels the modern theories of cariology and provides simple step-by-step guides to restoration.
Module 1, Cell-To-Cell Communication—Osseointegration present all the relevant biomedical processes in dentistry and oral and maxillofacial surgery in the form of 3D animations, to be made available to a professional public as a 3D film library. This innovative genre - with special highlights for every viewer - will open up interesting teaching and training perspectives.

Unlike bone, which undergoes remodeling by resorption followed by bone apposition, teeth are not subject to physiological remodeling. They are remarkably resistant to physiological 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 injuries will be visualized in the scientific 3D film, Periodontal Regeneration. The visualization of these complex processes is of great interest for academic teaching as well as for the clinician and general practitioner as the cellular interactions are presented in the context of four phases. For the first time scanning electron microscopic images of real cells will be visualized allowing the comparison of their characteristics with computer animated simulations.

Can periodontitis or other inflammatory processes of the oral cavity contribute to systemic conditions such as atherosclerosis or diabetes, or negatively influence their course? This 3D animation Oral Health and General Health—a module of the Cell-to-Cell Communication series—addresses these issues by visualizing the highly complex intercellular interactions and signaling pathways. Periodontal pathogens are invasive and can spread throughout the body via the bloodstream. Locally produced pro-inflammatory mediators can also shed into the circulation. This new film features an interdisciplinary topic, and in this context, special attention is given to diseases such as atherosclerosis and type 2 diabetes. This sophisticated HD video animation makes the relevant information and latest insights accessible to a wider audience.

The 3D animation Guided Bone Regeneration is a module of the Cell-to-Cell Communication series. To the extent that the details of the highly complex intercellular processes are amenable to presentation by computer animation, the present film, with its stunning didactical, dramaturgical, and visual appeal, successfully conveys the essentials of cell-to-cell communication, visualizing the invisible yet fascinating world of signals and signaling within the human body.

The new 3D movie Peri-implantitis and its Prevention, the sixth episode of the cutting edge HD video animation series Cell-to-Cell Communication describes the processes from peri-implant health to mucositis, the transition from peri-implant mucositis to peri-implantitis and finally healing and prevention by visualizing the highly complex intercellular interactions and signaling pathways. Special attention is given on the situation around the healthy, functional dental implant, the aggregation of bacteria on the dental implant surface and the biofilm in the niches. This sophisticated HD video animation even more successfully conveys the essentials of cell-to-cell communication, visualizing the invisible yet fascinating world of signals and signaling within the human body.

Visualizing the invisible while experiencing a fascination with science is the great challenge that Cell-to-Cell Communication, representing an all-new genre, has set out to meet. A spectacularly sophisticated computer animation in HD quality depicts the highly complex processes of intercellular interaction during an inflammatory periodontal reaction complete with the messenger molecules implicated. The various cell types constitute the main cast of the film, using a finely tuned communication process in their quest to destroy the bacterial invaders, with messenger molecules as supporting cast. A stunning didactic and dramatic experience.
QI continues its time-honored tradition of serving the needs of the general practitioner with clinically relevant articles that are scientifically based. Dr Eli Eliav and his editorial board are dedicated to practitioners worldwide through the presentation of high-level research, useful clinical procedures, and educational short case reports and clinical notes. Rigorous but timely manuscript review is the first order of business in their quest to publish a high-quality selection of articles in the multiple specialties and disciplines that encompass dentistry.

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**The International Journal of Esthetic Dentistry**
ISSN 2198-591X; Volume 15; 4 issues/year
(Subscription includes free Web access to all back issues since 1990; subscribers are able to use the app “Quintessence Journals” for free.)

Boasting an editorial board that unites Europe’s most talented master clinicians, The International Journal of Esthetic Dentistry seeks to advance the state of the art in the practice of esthetic dentistry. Each issue features articles on the latest techniques, materials, and technology, allowing readers to obtain the outstanding esthetic results that more and more patients are demanding. Photos of breathtaking beauty grace the pages of this quarterly journal.


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**The Journal of Adhesive Dentistry**
ISSN 1461-5185; Volume 22, 6 issues/year
(Subscription includes free Web access to all back issues since 2002; subscribers are able to use the app “Quintessence Journals” for free.)

New materials and applications in adhesion are profoundly changing the way dentistry is delivered. Bonding techniques, which have long been restricted to the tooth hard tissues, enamel, and dentin, have obvious applications in operative and preventive dentistry as well as in esthetic and pediatric dentistry, prosthodontics, and orthodontics. The current development of adhesive techniques for soft tissues and slow-releasing agents will expand applications to periodontics and oral surgery as well. Scientifically sound, peer-reviewed articles explore the latest innovations in these emerging fields.

Official journal of the International Academy for Adhesive Dentistry (IAAD)

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**Computerized Dentistry**
ISSN 1463-4201; Volume 23; 4 issues/year
(Subscription includes free Web access to all back issues since 2003; subscribers are able to use the app “Quintessence Journals” for free.)

This journal explores the myriad innovations in the emerging field of computerized dentistry and how to integrate them into clinical practice. The bulk of the journal is devoted to the science of computer-assisted dentistry, with research articles and clinical reports on all aspects of computer-based diagnostic and therapeutic applications, with special emphasis placed on CAD/CAM and image-processing systems. Articles also address the use of computer-based communication to support patient care, assess the quality of care, and enhance clinical decision-making. The journal is presented in a dual English-German format, and each issue offers three types of articles: science-based, application-based, and national society reports.

Official journal of the International Society of Computerized Dentistry

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Student Rate (e-journal) £70 | €78 £102
Single Issue (hard copy) £34 | €42 £42
Single Issue (e-journal) £34 | €42 £42
The International Journal of Oral Implantology prides itself on presenting evidence-based, practical insights into oral implantology and related disciplines to specialists and general practitioners alike. Under the guidance of Dr Craig Misch and his highly regarded editorial board, the journal encompasses systematic reviews, clinical trials and clinical studies, with a focus on randomised controlled trials of quality and substance. Full descriptions and relevant illustrations are included so that clinicians can fully understand all the procedures presented. The aim of this journal is to provide reliable clinical guidance to practitioners to help them make the best decisions possible for their patients.

Official publication of the International Congress of Oral Implantologists (ICOI), and the Portuguese Society of Implantology and Osseointegration (SOPIO)

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This journal continues its tradition of publishing timely, original articles on implant-related research and patient care. Internationally recognized for its high editorial and scientific standards, JOMI presents pioneering research, seminal studies, emerging technology, position papers, and consensus reports, as well as the many clinical and therapeutic innovations that ensue as a result of these efforts. The editorial board is composed of recognized opinion leaders in their respective areas of expertise and reflects the international reach of the journal. Under their leadership, JOMI maintains its strong scientific integrity while expanding its influence within the field of implant dentistry.

Official journal of the Academy of Osseointegration

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The Forum Implantologicum is the official organ of the ITI, a regular print publication that combines clinically oriented contents based on scientific research as well as news and information from the ITI and its national Sections. The Forum Implantologicum provides a regular overview of ITI activities, developments and events and offers solid scientific content in the form of illustrated feature articles. Additionally it is intended to promote communication within the organization by providing a platform for scientific exchange and discussion of matters of current interest.

Official publication of the ITI International Team for Implantology

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The International Journal of Prosthodontics

Editor-in-Chief: Irena Sailer

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Prosthodontics demands a clinical research emphasis on patient- and dentist-mediated concerns in the management of oral rehabilitative needs. It is about making the best clinical decisions, as well as implementing them, to enhance patients’ quality of life via applied biologic architecture—a role that far exceeds that of traditional prosthetic dentistry with its emphasis on materials and techniques. The International Journal of Prosthodontics is dedicated to exploring and developing this conceptual shift in the role of today’s prosthodontist, clinician, and educator alike. The editorial board is composed of a distinguished team of leading international scholars.

Official journal of the European Association for Osseointegration (EAO), the International College of Prosthodontists and the International Society for Maxillofacial Rehabilitation

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An international reputation for high-quality editorial content and unparalleled color illustrations has created a loyal following for this elegantly produced journal. Encompassing the relationship between a healthy periodontium and precise restorations, as well as integrating implants with comprehensive treatment planning, this unique journal emphasizes information that can be directly applied to your daily practice.

Official journal of the Academy of Osseointegration

2020 Subscription Rates: International Surface Mail International Air Mail
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Institutional Rate (hard copy) £652 | €648 £700
Student Rate (hard copy) £204 | €248 £252
Student Rate (e-journal) £204 | €248
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The aim and scope of ENDO is to publish articles relevant to the science and practice of endodontics and interdisciplinary fields. It is intended for dental practitioners with an interest in endodontics, including specialist endodontists. Its purpose is to act as a bridge between original science and clinical practice. The journal also includes contributions on endodontics in relation to periodontics, traumatology, pedodontics, orthodontics, oral surgery, prosthodontics, and implantology.

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AUTHOR INDEX
Programme:
08.00 – 09.00: Registration
09.00 – 09.30: Welcome and introduction
09.30 – 11.00: Hitting hurdles – why can things go wrong?
11.00 – 11.30: Break and exhibition
11.30 – 13.00: Gingival recession therapy – what we can learn from periodontal surgery
13.00 – 14.00: Lunch and exhibition
14.00 – 15.00: Anterior implants – the peri-implant mucosa in the spotlight
15.00 – 15.30: Break and exhibition
15.30 – 17.00: Clinical scenarios and further indications
17.00: Discussion

More information on www.quintpub.co.uk
DATES TO REMEMBER...

**JANUARY**
23rd–25th January  
International Digital Days  
Palais des congrès  
Paris, France

24th–25th January  
European Symposium SEPA – DGI – DGParo  
Palau de Congressos de Palma  
Palma de Mallorca, Spain

**FEBRUARY**
4th–6th February  
AEEDC - UAE International Dental Conference & 
Arab Dental Exhibition  
The Dubai International Convention and Exhibition Centre  
Dubai, United Arab Emirates

20th–22nd February  
155th Midwinter Meeting  
McCormick Place West Building  
Chicago, USA

**MARCH**
6th–7th March  
European Federation of Periodontology  
RDS Dublin  
Dublin, Ireland

19th–21st March  
3rd European Aligner Society Congress  
Malta, Italy

**APRIL**
24th–26th April  
International Dental Exhibition and Meeting  
Suntec Singapore Convention & Exhibition Centre  
Suntec City, Singapore

24th–25th April  
Implantology and Oral Rehabilitation Congress  
University of Lisbon  
Lisbon, Portugal

**APRIL/MAY**
30th April–2nd May  
Oral Reconstruction Global Symposium 2020  
New York City, USA

**MAY**
14th–16th May  
ITI World Symposium  
Singapore Expo - Max Atria, Hall 1 & 2  
Singapore

21st–23rd May  
1st EAED Academy Meeting  
Salzburg-Fuschl, Austria

**JUNE**
10th–14th June  
96th Congress of the European Orthodontic Society  
(EOS 2020)  
Hamburg, Germany

12th–14th June  
The 26th International Symposium on Ceramics  
Sheraton San Diego Hotel & Marina  
San Diego, USA

**SEPTEMBER**
1st–4th September  
FDI World Dental Congress  
Shanghai, China

**OCTOBER**
8th–10th October  
29th Annual Scientific Meeting European Association  
for Osseointegration (EAO)/  
34th Congress German Association of  
Oral Implantology  
CityCube, Berlin, Germany