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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.

Photography in the Age of Social Media
by Miguel A. Ortiz

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 author outlines the key concepts, equipment, and lighting 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.

3D Imaging and Dentistry
From Multiplanar Cephalometry to Guided Navigation in Implantology
by Giovanna Perrotti and Tiziano Testori

What sets this book apart from other titles available on dental photography is that it focuses not on artistic photography but rather on the concept of dental visualization: dental photographs that are taken and used as a clinically relevant tool. The major principles of dental photography are broken down into concise chapters and illustrated with high-quality, detailed images. Topics covered include photographic equipment, camera components, digital documentation, and troubleshooting. Simplified protocols for achieving high-end photographic results are presented step by step, and considerations for the different dental specialties are also described. This book promises to be an invaluable tool for both general practitioners and specialists to elevate their services provided by using dental photography.

Photography in Dentistry
A New Perspective
by Peter Sheridan

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, including the positions of the patient, assistant, and practitioner; camera settings and flash positions; aiming and focal points; and the types and positions of required accessories are detailed in text and images, and an example of the desired final image is provided.
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.

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

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. Comprehensively researched and expertly written, this book is a must for clinicians who wish to incorporate autologous blood concentrate treatment into their practice.

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.

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.

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.
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 possibly beyond as well as emphasising the challenges and, possibly more importantly, the opportunities available to forward-looking members of the dental team.

Dental hygienists must practice evidence-based dentistry (EBD) to provide the best care to their patients, whether it be through scaling and root planing, caries prevention, or patient education. This book is intended as a textbook for dental hygienists to learn the importance of EBD in the practice of dental hygiene as well as how to implement EBD practices and share EBD findings among office staff. As the dental knowledge base evolves and scientific discoveries are made, dental hygienists must understand how to seek out and evaluate findings and, if appropriate, apply them in their clinical practice, and this book provides all the necessary tools to do just that.

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 toothbrushing, gargling, dentures, halitosis, dental caries and periodontal disease, bleeding, dry mouth and dysphagia.

Clinical Dental Medicine 2020, periodontitis, management of gingival bleeding, affects of xerostomia, eating and deglutition of halitosis, considerations for patients with special needs, understanding dental caries and ensure the best oral care, including tooth brushing and gargling, caring for dentures, causes maintaining or restoring oral function. This book addresses the basic information needed to life, the authors provide a guide for preventing oral disease, promoting oral health, and implementing or restoring oral function. 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.

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 genomic connection, common risk factors, and the economic impact of this connection.

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.

The oral-systemic health connection is a rapidly expanding field of research that is increasingly important for dentists and dental hygienists. This book provides an overview of the latest research findings and, if appropriate, applies them in their clinical practice and this book provides all the necessary tools to do just that.
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 solid evidence base and instructs readers on 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.

**Revolutions in Preventive Dentistry**

Christian H. Splieth

**Contents**

Volume 1: Endodontics
Volume 2: Surgery / Implantology
Volume 3: Restorative and Prosthetic Treatment
Volume 4: Prosthodontics-Methods and Materials Science
Volume 5: Periodontology-Prophylaxis and Preservative Therapy

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 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 to allow the reader to develop a treatment plan, 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 developing comprehensive treatment plans under the guidance of master clinicians.

**Recommended:**

*Interdisciplinary Treatment Planning, Volume II: Comprehensive Case Studies*

Michael Cohen (Ed.)

Based on the proposition that specific treatments and techniques come and go but comprehensive treatment planning is universal and timeless, this group unites clinicians of all levels and from all disciplines, challenging them to master the principles of total case management through interdisciplinary treatment-planning exercises. In keeping with that philosophy, this book articulates the seemingly mystical process by which master clinicians treat their own cases. In the first part of each chapter, 17 of the world's most prominent and respected clinicians candidly share the key principles that guide and inform their case-planning decisions and show stunning photographs from their cases. In the second part of each chapter, these contributors present the complete diagnostic facts and findings of one of their own cases and invite the reader to develop a treatment plan of the cases.

**Recommended:**

*Interdisciplinary Treatment Planning, Volume I: Principles, Design, Implementation*

Michael Cohen (Ed.)


Bestseller

**Recommended:**

*Revolutions in Preventive Dentistry* (v. 2)

Christian H. Splieth

approx. 240 pp; 350 illus.; ISBN 978-1-78698-099-1; £108 | €128

Available Autumn 2020

This book presents a superb collection of art, reflecting the dentist's role in society and the relationship between doctor and patient through the history of civilization. It contains an international selection of artwork, tracing both the history of art and the development of dentistry from ancient times to the present day, illustrating changes, perceptions, and applications of dentistry through varied styles and artistic media. A short presentation of the artist and the subject of his artwork accompany each work of art.

**Recommended:**

*Dentistry in Art* (v. 3)

Peter Katz | Anna Katz

218 pp; 242 illus.; ©2011; ISBN 978-0-615-47715-2; £35 | €75

The world-renowned authority on preventive and community dentistry presents his life's work in this five-volume series (volume 1 and 2 now out of print), of clinical atlases focusing on risk prediction of dental caries and periodontal disease and on needs-related preventive and maintenance programs.

**Recommended:**

*Preventive Dentistry* (v. 5)

Per Axelsson


Volume 4: Preventive Materials, Methods and Programs

Volume 5: Minimally Invasive Treatment, Arrest, and Control of Periodontal Diseases

Coming Soon

*Quintessence Practice Live on DVD*

DVD-Video-Compendium; NTSC/PAL; 506 min; ©2009; ISBN 978-3-87652-722-2; £180 + VAT €198

This 5 DVD-ROM box set provides unique and meticulously compiled film productions focusing on the work of daily practice. Experienced dental practitioners and technicians give valuable advice for others in the field. The series provides films from all relevant areas of dentistry in outstanding quality.

Contents

Volume 1: Endodontics
Volume 2: Surgery / Implantology
Volume 3: Restorative and Prosthetic Treatment
Volume 4: Prosthodontics-Methods and Materials Science
Volume 5: Periodontology-Prophylaxis and Preservative Therapy

**Recommended:**

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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.

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.

Suture techniques 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.
New and innovative biomaterials are being discovered or created in laboratories at an unprecedented rate, but many of them remain entirely foreign to practicing clinicians. This book addressess this gap in knowledge by summarizing some of the groundbreaking research performed to date on this topic and providing case examples of these biomaterials at work. The book begins with a review of the biologic background and applications of bone grafting materials utilized in dentistry. The principles of guided tissue and bone regeneration are covered in detail, including many recent advancements in barrier membrane technologies as well as use of platelet-rich fibrin and various growth factors, and many next-generation materials that will optimize future bone and periodontal regeneration are presented. The final chapter is designed to help clinicians select appropriate biomaterials for each specific regenerative protocol. Much like one implant size and shape cannot be utilized for every indication in implant dentistry, one bone grafting material, barrier membrane, or growth factor cannot maximize regenerative outcomes in all clinicat situations. This textbook teaches clinicians how to utilize biomaterials in an appropriate, predictable, and evidence-based manner.
Pediatric Dentistry

The goal is to enable our young patients to live with the healthiest teeth possible, and this involves understanding how to embrace the opportunity, challenge, and responsibility of ensuring an ideal start for even the tiniest of our patients. This book is an introduction to pediatric dentistry and presents the fundamentals of the specialization. It is a useful reference work for everyday practice and for specific issues encountered in pediatric dentistry, and includes tips on communicating with young patients and their parents, advice on diagnostics and recording findings, and explanations of the latest treatment methods in pediatric dentistry.

Case Reports in Pediatric Dentistry

This book describes 16 cases on a number of problems encountered in the treatment of child patients and how the authors have solved them. All the authors of the case reports in this book are well known in the field of pediatric dentistry and have proven their knowledge in this specialization. The book gives the reader extremely useful tips and suggestions that they can use in case they are confronted with similar patients as described. It is therefore an invaluable addition for all dental practices treating pediatric patients.

Pediatric Laser Dentistry

This comprehensive text demonstrates the therapeutic steps of laser radiation in pediatric dentistry. The clinical protocols for hard and soft tissue applications are detailed with explanations on technique and suggested laser parameters, and the outcomes are illustrated in case studies.

How the Tooth Mouse Met the Tooth Fairy

This charming and wonderfully illustrated book entertains as it teaches children the importance of brushing twice a day, and the colorful and delightful illustrations will have both kids and parents smiling and making new discoveries with every read.
This book presents a novel strategy to improve the outcome of maxilofacial 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 maxilofacial surgery and theoretical laboratory science.

**Fractures of the Mandibular Condyle**

Johannes Kleinheinz | Christopher Meyer (Eds.)

Basic Considerations and Treatment


This book builds on the seminal works presented at the International Bone Research. With many eminent experts in this field took part in the IBRA symposium. With this strong foundation, the book provides an excellent overview of current knowledge on the principles and strategies for treatment of condylar fractures. The diagnosis and range of options available for treatment of fractures in the temporomandibular joint region are explained based on the anatomical, functional, and biomechanical principles of the mandibular condyle. Biomechanics research and their implications for treatment practice are portrayed in numerous illustrations and discussed in detail by the authors.

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**Surgical Management of Maxillofacial Fractures**

Yoh Sawatari


The facial skeleton is comprised of vertical and horizontal buttresses and the intersections they create; maxillofacial fractures occur when these buttresses sustain more force than they can withstand. The objective when managing these fractures is 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, the surgical management, and any complications.

**Preclinical Models for Translational Research**

Ole T. Jensen (Ed.)

The chapters are constructed to help create workable protocols and avoid common early career errors. The goals are to help select the appropriate animal models and corresponding experimental designs to enable the next steps toward human investigation. The chapters also contain comprehensive information on microscopic and other imaging technologies necessary to gain the maximum information from preclinical investigations. The topics covered include soft and hard tissue research as well as osseointegrated implants. Each section provides illustrations with details relevant to decisions of the research team.

**Surgical Design for Alveolar Bone Reconstruction**

J. Thomas Lambrecht (Ed.)

504 pp; 1,490 illus.; ©2009, ISBN 978-1-85097-184-9; £160 | €178

This book discusses the various clinical factors affecting outpatient surgery performed by oral and maxillofacial surgeons. The text is based on the scientific literature, with a focus on traditional oral surgery of the infraoral soft tissues and the hard dental structures. Examples of intraoral procedures are presented step-by-step using high-quality color photographs. The book also features a chapter dedicated to the rationale behind endosseous implant placement as an alternative to tooth-preserving surgery.
This book describes the epidemiologic, radiologic, and histopathologic features of the 27 known neoplasms and hamartomatous or tumor-like lesions arising from the tooth-forming structures, as well as 11 distinctive jaw lesions that must be distinguished from odontogenic tumors. It also presents recurrence rates and, where appropriate, information about the ultra-osseointegration process, and a surgical skills chapter includes practical exercises as shown by research and clinical experience over the decade since the author first developed the technique. General practitioners, oral surgeons, and implant dentists will find unique insight into the clinical benefits of piezoelectric bone surgery.
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
Many books include an inherent bias. The authors specialize in a certain beloved technique and attempt to apply this technique to multiple clinical situations while glorifying the successes and dismissing the failures. Or it is written by researchers so wrapped up in science and academia that they forget what it really means to run a dental practice and deal with patients day-to-day. 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 new concepts and techniques that affect the daily clinical practice. Treatments (including their limitations) are described, including many 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.
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.
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, inexpensive, 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 background in order to provide the reader with bibliographic support for further study. Most procedures are illustrated with photographs and anatomical drawings.
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.
The Sinus Bone Graft
Ole T. Jensen (Ed.)

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.

Tilted Implants
Enrico Agliardi | Davide Romeo

This book presents the science and clinical evidence behind the various protocols using tilted implants, then discusses patient evaluation, diagnostics, and planning before exploring the surgical protocols. Explanations of the procedures are highlighted by dozens of clinical cases presenting a diverse range of initial situations. In addition, methods for fabricating provisional and definitive prostheses are laid out with each step illustrated and explained. This comprehensive volume truly covers everything a clinician needs to know to use tilted implants with great success for their patients.

Essentials of Maxillary Sinus Augmentation
Francis Louise | Oana Dragan

Sinus augmentation has become a routine surgical procedure to increase the height of the edentulous atrophied posterior maxilla. Numerous techniques have been used successfully, allowing a high survival rate of implants placed after sinus elevation. This book highlights the anatomical landmarks and describes, using clinical cases, the latest ultrasonic devices used for both lateral and crestal approaches.

The Percrestal Sinuslift
Georg Watzek

This book is intended to alert the reader to the shortcomings of some accepted techniques of transcrestal sinus floor elevation and provide a blueprint to help develop transcrestal sinus floor elevation into a surgical protocol that meets the general medical standards of a minimally invasive procedure. The author builds a careful case through a critical review of pertinent anatomy, biologic considerations, biomechanics, and generally accepted procedures before elucidating the key elements needed for successful sinus elevation. The accompanying DVD-ROM includes surgery footage documenting the percrestal sinuslift using the gel pressure technique.

Evolution
Iñaki Gamborena | Markus B. Blatz

This book beautifully showcases the concepts, materials, and techniques essential to mastering the most demanding of all surgical and restorative challenges: the anterior single-tooth implant. To achieve the long-lasting esthetic and functional results displayed in this clinical masterpiece, one must attend to the myriad details associated with each phase of treatment.

Peri-implantitis
Stefan Renvert | Jean-Louis Giovannoli

This book positions peri-implantology as an emerging discipline and provides a comprehensive discourse on the etiology, clinical features, and diagnosis of peri-implantitis and implant mucositis. The authors summarize the current research on peri-implantitis, outline the steps for effective early diagnosis, and provide an effective paradigm for preventing peri-implant infection in everyday practice.

Implants in Qualitatively Compromised Bone
Georg Watzek

The contributors to this volume have compiled data from almost two decades of experimental and case studies, resulting in a comprehensive review of the current knowledge regarding the placement of implants in compromised bone. Topics covered include factors influencing bone quality, characteristics of compromised alveolar bone, and techniques for bone assessment, bone regeneration, and implant placement in compromised bone. The book also presents specific considerations for placing implants in different types of compromised bone, such as aged, underdeveloped, and irradiated bone. A useful work of reference for implant students, practicing implant clinicians, and implant-oriented researchers.
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.
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.

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 prosthodontics.


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.
ITI Treatment Guide Series

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.

Daniel 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 aesthetic risk profile and proceeding through ideal three-dimensional implant placement and proven prosthetic management options. Various procedures are illustrated through patient case studies.

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

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.

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

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.

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

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.

Stephen Chen | Daniel Buser | Daniel Wismeijer (Eds.)

Sinus Floor Elevation Procedures
ITI Treatment Guide Volume 5
232 pp; 621 illus.; ©2011; ISBN 978-3-938947-18-0; £68 | €86

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.

Daniel Buser | Dieter Weingart | Hideaki Katsuyama

Sinus Floor Elevation Procedures
ITI Treatment Guide
DVD-Video; 54 min; NTSC/PAL; ©2011; ISBN 978-1-85097-224-2; £81.60 + VAT | €68
Multilingual DVD-Video; 54 min; NTSC/PAL; ©2011; ISBN 978-1-85097-230-3; £81.60 + VAT | €68

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 prosthodontic 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.

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.

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 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.

Written by renowned clinicians and supported by cases contributed by expert practitioners, the newest volume of the ITI Treatment Guide series highlights the integration and management of peri-implant soft tissues. It discusses soft-tissue management before and during implant placement and during supportive peri-implant therapy and addresses the techniques and materials used for peri-implant soft-tissue augmentation and replacement and for the treatment of peri-implant soft-tissue dehiscences. It offers clinicians a comprehensive overview of various evidence-based techniques and treatment approaches for use in daily practice, with a focus on current techniques and materials.

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.
Implant Prosthodontics
A Patient-Oriented Strategy: Planning | Treatment Procedures | Longevity | Esthetics | Function | Dental Technology

While a wealth of specialist literature is available on the surgical aspects of implant dentistry, there is no comprehensive, systematic textbook on the implant-supported prosthetic rehabilitation of the patient—which is the true goal of almost every implant treatment illustrated with well over 2,000 figures and numerous flowcharts, this book presents a coherent, evidence-based concept of prosthesis-oriented implant placement and individual esthetic prosthodontic restoration, conceptualized in detail from the first stages of planning to the aftercare period. The key interfaces between implantologist and prosthodontist, prosthodontist and dental technician, and also between the patient and the treatment team, are explained in detail. This standard text is a must-have, not only for implantologists and prosthodontists, but also for the overwhelming majority of dentists and dental technicians.

Implant-Supported Restorations
English/German language DVD-Video, NTSC/PAL: 311 min; ©2012; ISBN 978-3-86867-117-9; each Vol £58 + VAT | €66
Vol 1–4 £206 + VAT | €248
English/German language Blu-Ray-Video, NTSC/PAL: 311 min; ©2012; ISBN 978-3-86867-117-9; each Vol £66 + VAT | €75
Vol 1–4 £232 + VAT | €248

This timely book simplifies implant delivery through specialized scanning appliances that are used to transfer prosthetically relevant information to the CT study, giving clinicians the means to develop a prosthetically directed surgical treatment plan and a surgical template. Readers will benefit from the knowledge imparted by clinicians and researchers with years of experience in computer-guided implant placement.

Film 1. 3D planning and template-guided implant insertion in the edentulous jaw (case 1) and in the partially edentulous jaw (case 2)
Film 2. Immediate placement and all-ceramic restoration in the anterior maxilla—a customized interdisciplinary treatment approach
Film 3. Implant-supported removable restorations in the edentulous jaw
Film 4. Innovative CAD/CAM treatment approaches for implant-supported fixed restorations

Controversial Issues in Implant Dentistry

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 improving treatment options. This book focuses on the dynamic parts of this new paradigm that are still evolving—the controversial topics that are still subject to debate and that directly affect daily clinical practice.
The treatment of deep intrasosseous 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 great 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 a 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.

This work contains detailed descriptions of the subject matter. Topics such as the role of maintenance therapy in periodontal therapy, long-term success-oriented selection of treatment methods, successful regeneration of bone defects, restoration and maintenance of periodontal tissue health, potential complications in maintenance therapy and approaches to dealing with these problems are covered in individual chapters of the book. The text is based on a comprehensive review of the periodontal literature which, in large part, is accompanied by commentary with numerous illustrations and diagrams. The clinical relevance of each chapter is demonstrated, based on a multitude of documented case studies, some with over 25 years of follow-up. More than 3,000 clinical photographs and radiographs illustrate all aspects of the descriptions.
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.

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.

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.

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.

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.

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.
**Microsurgical Endodontics**

Bertrand Khayat | Guillaume Jouanny

Download the app „Microsurgical Endodontics“ on the App Store (iOS) or Google Play (Android) to play included videos; 250 pp, 556 illus.; ©2019; ISBN 978-2-3615-037-5; £168 | €195

Endodontic surgery is a therapeutic solution that is too often overlooked, which is surprising given that it is a reliable technique with a very high success rate. Not only is endodontic surgery more conservative than conventional endodontic treatment, but it can also be used to resolve difficulties that are inaccessible by conventional approach. Written by two specialists in the discipline, this book outlines predictable surgical strategies and presents more than a hundred clinical cases through each stage of treatment.

**Endodontic Microsurgery**

Enrique M. Merino


The author of this step-by-step approach to endodontic microsurgery patiently guides the reader through each phase of treatment: anesthesia, flap design and execution, osteotomy window creation, curettage, hemostasis, apicectomy, ultrasonic retrocavity preparation, drying, obturation, and suturing. He also offers an in-depth explanation of the features, parts, and accessories of the operating microscope for effective use in the dental office, along with discussions of presurgical and postsurgical considerations, periodontal regeneration techniques, endo-perio relationships, and placement of immediate implants when the tooth cannot be saved.

**Endodontology**

Domenico Ricucci | José F. Siqueira, Jr

Endodontology


This book is a serious study of clinical endodontics that underscores the biologic foundation of endodontic treatment and seeks to bridge the gap between basic endodontic knowledge and advanced endodontic biology. Treatments of complex endodontic infections are presented for both vital and nonvital pulp therapy, and the influences of periradicular pathology are addressed in detail.

**Treatment of Endodontic Infections**

José F. Siqueira, Jr


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.

**Best Practices in Endodontics**

Richard S. Schwartz | Venkat Canakapalli (Eds.)

Best Practices in Endodontics


This book is a compilation of practical information for common endodontic procedures, and 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.

**Practical Lessons in Endodontic Treatment**

Donald E. Arens | Alan H. Gluskin


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.

**Endo-periodontal Lesions**

Edoardo Foce

Endo-periodontal Lesions


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.

**Endodontics Review**

Brooke Blicher | Rebekah Lucier Pryles | Jarshen Lin

Endodontics Review

A Study Guide

264 pp (softcover); 254 illus.; ©2016; ISBN 978-0-86715-696-6; £50 | €68

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 build-up, 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 provides step-by-step protocols to help dental professionals accurately match, communicate, and reproduce the color of teeth and gingiva. The authors demonstrate how to implement color science in simple problem-solving instructions for predictable esthetics in both clinical protocols and laboratory techniques. An extensive presentation of clinical cases is included to illustrate the use of recommended protocols.

This book details the endodontic, restorative, and esthetic principles of treating pulpless teeth. Topics include how to avoid fractures, endodontic retreatment versus extraction, direct and indirect restoration, posttreatment tooth whitening, use of fiber posts, subgingival defects, and use of porcelain veneers versus ceramic crowns. Each chapter includes technical protocols, algorithms, and practical tips for everyday use.

This book covers the most current concepts on preparations for indirect restorations with a focus on preservation and precision. Topics include restorative planning, intracoronal and extracoronal restorations, restorations for compromised teeth, minimally invasive preparations, and preparations for CAD/CAM restorations.

This compelling clinical monograph outlines how to manage the soft tissue in a practical manner, whether providing patients with tooth-borne or implant-supported restorations. The author provides step-by-step instructions for each stage of therapy so that restorative dentists can understand how to manage the soft tissue frame, minimize trauma, and ensure a healthy and esthetic treatment outcome. Multiple cases are followed throughout the book, with individual chapters focusing on those portions of the case that illustrate the concepts elucidated in the chapter.

Following an introduction to the basics of dental aesthetics, the 47 complex clinical case presentations provide the dental practitioner with an insight into the potential uses of resin composite for the build-up of anterior teeth, closure of approximal gaps, closure of black triangles, changes of position and shape, and for directly constructed, fiber-reinforced fixed dental prostheses. It has been written by practitioners for practitioners, and will be of equal interest and value to dentists and orthodontists, as well as students of dental medicine. The accompanying DVD illustrates the techniques.
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.

“Restoring with Flowables” by Douglas A. Terry

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 anesthesia-related problems during restorative dental procedures. If dentists are able to administer successful local anesthesia, patient compliance and satisfaction are likely to improve.

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

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.

“Dental Erosion” by Adrian Lussi and Thomas Jaeggi

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.

“Composite Inlays and Onlays” by Stefano Bottacchiari

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.

“Contemporary Restoration of Endodontically Treated Teeth” by Nadim Z. Baba (Ed.)

Bestseller

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

“Summitt’s Fundamentals of Operative Dentistry” by Thomas J. Hilton, Jack L. Ferracane, and James C. Broome (Eds.)

“Advances in Restorative Dentistry” by Nadim Z. Baba (Ed.)

“Guidelines for Adhesive Dentistry” by Francesco Mangani, Angelo Putignano, and Antonio Cerutti

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, magnification in restorative dentistry, minimally invasive preparations, adhesive techniques, bleaching, dental erosion, endodontic therapies, and haltosis.

“This Key to Success” by Francesco Mangani, Angelo Putignano, and Antonio Cerutti

Restoring with Flowables

ISBN 978-0-86715-668-3; £128 | €148

Successful Local Anesthesia for Restorative Dentistry and Endodontics

ISBN 978-0-86715-743-7; £72 | €88

Dental Erosion

ISBN 978-1-85097-218-1; £51 | €58

Composite Inlays and Onlays

ISBN 978-88-7492-019-8; £212 | €275

Guidelines for Adhesive Dentistry


Summitt’s Fundamentals of Operative Dentistry

ISBN 978-0-86715-528-0; £85 | €128

Advances in Restorative Dentistry

ISBN 978-0-86715-571-6; £98 | €118

Successful Local Anesthesia for Restorative Dentistry and Endodontics

ISBN 978-0-86715-743-7; £72 | €88

Dental Erosion

ISBN 978-1-85097-218-1; £51 | €58

Composite Inlays and Onlays

ISBN 978-88-7492-019-8; £212 | €275

Guidelines for Adhesive Dentistry

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 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.

A direct-indirect restoration is one in which the composite resin is sculpted directly on the tooth structure without previous adhesive preparation, light activated, removed from the mouth, heat tempered, finished and polished extrorally, and finally adhered indirectly in the mouth in a single appointment. The resulting restoration exhibits improved mechanical properties, excellent esthetics, and unrivaled marginal adaptation and polishing. This direct-indirect technique has a wide range of applications, including prepress contact lenses and veneers, veneers with preparation (discolorated teeth), fragments, diastema closure, and noncarious cervical lesions, among others. This book systematically covers these many applications and provides step-by-step protocols with specific layering strategies for each. Fifteen detailed case studies are included to showcase the technique in various clinical scenarios.

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 impression materials for PLVs are compared. The guides to alternative porcelain materials and their step-by-step applications make this book an invaluable text for dentists, dental technicians and the entire esthetic team.

The state-of-the-art veneer procedures described in this atlas require neither reduction of tooth structure nor administration of anesthetic; the perfect smile can be delivered to patients in one painless appointment. Moreover, use of a wax-up/mock-up allows patients to preview the proposed smile makeover before committing to treatment. Full-color before-and-after cases demonstrate the use of no-prep veneers alone and in combination with other fixed prostheses. A dual English/Spanish language book.

This clinical atlas details anterior ceramic restoration to correct esthetic problems. Each case focuses on a distinct set of esthetic and dental conditions such as fracture, crowding, rotation, asymmetry, discoloration, contour, caries, or implant considerations, among others. The clinical images illustrate the procedure, step-by-step. This book is intended as a communication tool between the dentist, the ceramist, and the patient.

This book is inspired by a passion for the natural principles of esthetics in dentistry. Important aspects such as the proportions of the face and mouth, the shape of the teeth, their relationships in the dentogingival complex, and the numerous facets of natural colours and surfaces guide the author in the esthetic rehabilitation of his patients as well as in the diligent placement of implants and the careful selection of materials.
Implant restoration in the anterior region represents a particular challenge for dentists because even the most functional implant cannot be considered a success if the patient is still unhappy with their smile. Attention must be given to ensuring a high survival rate and a low complication rate, without sacrificing esthetics. In this book, the authors pass on their experience based on well-documented clinical cases and discuss all relevant aspects from the biologic basics and planning to surgery to prosthetic restoration in this challenging area. Modern microsurgical procedures for the augmentation of hard and soft tissue and plastic periodontal surgery are a special focus.

Modern microsurgical procedures for the augmentation of hard and soft tissue and plastic periodontal surgery are a special focus. This atlas synthesizes the latest technologic advances in esthetic dentistry and shows how to successfully integrate them into clinical practice, including photographic documentation, 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 A to Z Guided Workflow

This new edition offers the reader a newly illustrated overview of modern esthetic 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 esthetic restorative materials, technique, as well as updated information on composites and ceramic systems, including esthetic zirconia. New cases illustrate the maintenance of esthetic restorative materials, technique, as well as updated information on composites and ceramic systems, including esthetic zirconia. New cases illustrate the maintenance of esthetic restorative materials, technique, as well as updated information on composites and ceramic systems, including esthetic zirconia.
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.

Guided by the philosophy of biomimetics, the authors combine sound biologic principles with an overriding respect for the natural intact tooth to achieve esthetic satisfaction with bonded porcelain restorations. Unlike traditional veneers, the approach described here draws upon the ideal hues, the subtle shades, and especially the intracoronal anatomy of the intact tooth to serve as a guide to reconstruction and as a measurement of success. From this perspective, a checklist of fundamental esthetic criteria is presented, and treatment planning, diagnostics, tooth preparation, laboratory procedures, adhesive luting procedures, and maintenance protocols are carefully detailed.

This much-anticipated book presents the procedural phases required to achieve optimal results in the esthetic rehabilitation of patients in need of fixed prostheses. Communication between the clinician and the technician, which is essential to the esthetic, biologic, and functional integration of the prosthetic rehabilitation, is highlighted through a step-by-step presentation of all clinical and laboratory procedures. Chapters demonstrate methods to obtain accurate facebow recordings, impression materials and techniques, fabrication of provisional restorations, and incorporation of interdisciplinary therapies for ideal comfort and esthetics.

A unique collaboration between 17 internationally renowned women dentists has resulted in an inspirational textbook on esthetics in modern dentistry. Illustrated with over 800 figures, the book presents a thorough overview of various aspects of esthetics, including orthodontics and orthognathics, implant therapy, restoration, rehabilitation, materials, trauma, and surgery. Each author also provides fascinating insights into her journey to become a successful female dentist in a male-dominated industry. The stories differ, but the results are the same – excellent patient care and excellent esthetics.
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, bleaching is ideal as an affordable and noninvasive first step in esthetic treatment. In fact, 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.

Daniel Buser

**Surgical concepts to handle esthetic failures in implant patients**


Vol 1–5: £30 + VAT ( £48 each)
Vol 1–5: £148 + VAT | £189

The videos in this 5 DVD set present the surgical concepts used to treat the most common esthetic 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

Van B. Haywood

**Tooth Whitening**

Indications and Outcomes of Nightguard Vital Bleaching


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, bleaching is ideal as an affordable and noninvasive first step in esthetic treatment. In fact, 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.

Rafi Romano (Ed.)

**The Art of Detailing**

The Philosophy Behind Excellence


This book brings together representative cases from respected clinicians around the world to illustrate the philosophies that guide sound treatment decisions. For each case, the author shares special challenges that were faced and aspects of treatment that could be improved given new knowledge and insight.

Robert Sader | Michael Kann | Diether Reusch

**Bleaching**

Professional Tooth Whitening with Light

English/German language DVD-Video, NTSC/PAL, 21 min; ©2018, ISBN 978-3-86867-415-6; £30 + VAT | €36

Long-term tooth whitening is achievable when it is performed by trained dental staff, closely supervised by a knowledgeable dentist, and supported by good at-home oral care. It presents the causes of tooth discoloration, explains the differences between cosmetic and medical tooth whitening, illustrates the physical principles through 3D animation, and visualizes the step-by-step workflow of a tooth whitening procedure. In addition, a team of experts provides answers on how to consistently achieve long-term success in tooth whitening and explores some of the associated risks.

So-Ran Kwon | Seok-Hoon Ko | Linda H. Greenwall

**Tooth Whitening in Esthetic Dentistry**


This two-volume guide describes the full range of professional tooth whitening procedures. In addition, the authors address the topics of sensitivity, maintenance of bleaching results, and over-the-counter bleaching products. Useful tools such as a whitening algorithm, patient questionnaire, and tooth shade evaluation protocol are provided.

Rafi Romano (Ed.)

**Lingual & Esthetic Orthodontics**

In response to a new surge of interest in esthetic orthodontic techniques, this exceptional book details the state of the art in lingual orthodontics. Featuring the experiential knowledge of 34 of the best clinicians from around the world who practice lingual orthodontics on a daily basis, this book represents the first comprehensive clinical reference on the lingual orthodontic technique and reviews the latest advancements in the field, including available bracket systems, innovations in laboratory and simulation techniques, standard biomechanics from alignment to finishing, effective clinical protocols.

Rafi Romano (Ed.)

**The Art of Treatment Planning**

Dental and Medical Approaches to the Face and Smile


Proper dissemination of knowledge in the dental specialties is currently one of the biggest obstacles to consistent improvement in care. This book examines the treatment-planning process from a multidisciplinary perspective in an effort to balance the very complex process of diagnosis with the need for simplicity and coherence. Innovations in techniques and materials appear on a daily basis. At the same time, patients today demand individualized treatment plans that address not only their dental and/or aesthetic problems but their self-image and personal expectations as well.

Rafi Romano (Ed.)

**The Art of the Smile**

Integrating Prosthodontics, Orthodontics, Periodontics, Dental Technology, and Plastic Surgery in Esthetic Dental Treatment


This book combines the latest approaches to esthetic treatment by the world’s top clinicians in prosthodontics, orthodontics, periodontics, dental technology, and plastic surgery. Lavishly illustrated, it offers a multidisciplinary perspective on diagnosis, treatment planning, integrating procedures for many common clinical situations. Specialists and general practitioners alike will learn much from this book’s multidisciplinary perspective on esthetic treatment.
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 restorative surgeons, this book collectively offers a comprehensive approach to using platelet-rich fibrin (PRF) in facial esthetics. 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 aesthetic procedures in your office or want to learn how, this book is a must.

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.

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 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, and chin are supported by photographic documentation. Practical tips, pitfalls 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 re-applied. 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.

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 368 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.

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 Pistor 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, preand post-treatments and combined therapy options. Photographic case histories confirm the authentic benefits and efficacy of mesotherapy.

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.
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 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 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 success story of RBFDPs.

Jonathan L. Ferencz | Nelson R. F. A. Silva
Jose M. Navarro
High-Strength Ceramics
Interdisciplinary Perspectives

This book shares expertise from the biomaterials, industry, clinical, and laboratory perspectives and provides readers with the tools to judge the research presented in the literature and incorporate best practices and advances in materials and technology into their armamentarium in a way that will benefit their patients.

Herbert T. Shillingburg, Jr | David A. Sather
Edwin L. Wilson, Jr | Joseph R. Cain | Donald L. Mitchell
Luis J. Blanco | James C. Kessler
Fundamentals of Fixed Prosthodontics

This popular undergraduate text is designed to serve as an introduction to restorative dentistry techniques using fixed partial dentures and cast metal, metal-ceramic, and all-ceramic restorations, providing the background knowledge needed by the novice and serving as a refresher for the practitioner or graduate student. Specific techniques and instruments are discussed, and updated information has been added to cover new cements, new impression materials and equipment, and changes in soft tissue management methods used during impression procedures. New articulators, facebows, and concepts of occlusion have been added, along with precise ways of making removable dies.

William R. Laney | Thomas J. Salinas | Alan B. Carr
Sreenivas Koka | Steven E. Eckert (Eds.)
Diagnosis and Treatment in Prosthodontics

This book addresses the multidisciplinary treatment of partially and completely edentulous patients and emphasizes the biologic, psychologic, and social dimensions of care. Innovations in immediate loading, ceramic materials, and 3D imaging allow more predictable and successful outcomes.

Masahide Tsutsui | Teruko Tsutsui
Comprehensive Dentistry

This exceptional work describes and illustrates the long-range (spanning 15 to 23 years) approach to the treatment of highly complex cases by two of Japan’s most respected and influential clinicians. Featuring more than 150 cases, this ambitious book documents the long-term results of the authors’ unique treatment philosophy that combines carefully designed strategies with a comprehensive approach to address patients’ esthetic, prosthetic, orthodontic, endodontic, occlusal, and periodontal needs.
Dental Anatomy and Morphology

Hilton Riquieri

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.

Fundamentals of Treatment Planning

Lino Calvani

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.

Challenging Nature

Paulo Kano

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.

Atlas of Dental Rehabilitation Techniques

Romeo Pascetta | Davide Dainese

This atlas is intended to be an accessible and quick-to consultar 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.

Nature’s Morphology

Shigeo Kataoka | Yoshimi Nishimura | Avishai Sadan

To attain a natural look in ceramic restorations, the technician must be able to successfully reproduce three critical aspects of a natural tooth: single-tooth morphology, tooth alignment, and natural tooth color. This beautifully illustrated atlas provides technicians with images and information that will help them produce functional and esthetic restorations.

 Truly Natural Tooth Restoration

David Korson

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 DVD presents a restoration technique that stabilizes complete dentures on a prefabricated prosthesis 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 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.

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This updated edition with an emphasis on a truly multidisciplinary approach provides the reader with insights into the latest developments in reconstructive surgery, maxillofacial prosthetics, and dental care. New chapters present information on digital technology and advanced medical imaging methods. The reader will take away practical knowledge of state-of-the-art treatment approaches.
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.
Dentists are often the first medical practitioners to encounter patient reports or clinical evidence of disorders such as sleep apnea, sleep bruxism, and sleep-disrupting orofacial pain, providing them a unique opportunity to prevent the development or persistence of conditions that strongly impact their patients’ lives. Since the first publication of this clinical handbook, significant and exciting advances have been made in the field of sleep medicine, and this updated edition gathers all of this new evidence-based knowledge and presents it in focused, concise chapters. Leading experts in medicine and dentistry explain the neurobiologic mechanisms of sleep and how they can be affected by breathing 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.

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 relationships associated with sleep apnea—the edge-to-edge bite and the deep bite. A mandibular advancement device will not solve the problem in every case, but it does help many patients improve their quality of life and prevent serious complications of the disease. Successful treatment of sleep apnea requires the systematic teamwork of specialists in all three specialty fields and a sound knowledge of the disease.

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 nocuous 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.

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Clinical oral physiology is the part of dentistry linking physiological 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.
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 molocclusion with proper overjet and facial esthetics every time, regardless of the pretreatment condition.

Effective wire bending techniques that are customized to each individual patient make orthodontic treatment more efficient and can reduce treatment time. In lieu of overly complicated wire bending, the author of this manual promotes precise, intuitive bending and presents the proven methods that work with any biologically compatible wire. The essential components and techniques of customized wire bending are detailed step-by-step, including trimming of casts; selection and proper manipulation of pliers; the first-order bends (in or out), second-order bends (up or down), and third-order bends (torque); and optimal methods of adjustment to be used during orthodontic treatment.

This book defines all cephalometric landmarks on a skull or spine in both 2D and 3D and then identifies them on radiographs. Each major cephalometric analysis is described in detail, and the linear or angular measures are shown pictorially for better understanding. Because many orthodontists pick specific measures from various cephalometric analyses to formulate their own analysis, measures are organized relative to the skeletal or dental structure and then compared or contrasted relative to diagnosis, growth, and treatment. Cephalometric norms are also discussed relative to treatment and esthetics. The final chapter shows the application of these measures to clinical cases.

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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.
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.

Orthodontic Setup

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.

Atlas of Bracketless Fixed Lingual Orthodontics

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.

Orthodontic Setup

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.
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.

This book presents readers with the information necessary to understand the morphogenesis of orthodontic problems, to differentiate among various conditions, and to apply early intervention approaches to optimal effect. This book cuts through the controversy surrounding early versus late treatment and shows that clinicians must decide on a case-by-case basis when to provide orthodontic treatment.

Each chapter addresses a specific topic by summarizing the literature, critically reviewing the evidence, and offering impartial recommendations for clinical practice. Topics include class II and class III malocclusions, wires and wire sequences, dental asymmetries, root resorption, and retention strategies, among others.

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 comprehensive case studies that follow from the treatment plan to the definitive result and that highlight long-term stability in 5- to 40-year posttreatment records. A must-have for the comprehensive case studies that follow from the treatment plan to the definitive result and transverse control, occlusion, and the soft tissue profile. Each guideline is presented with comprehensive case studies that follow from the treatment plan to the definitive result and that highlight long-term stability in 5- to 40-year posttreatment records. A must-have for the practicing orthodontist.
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.

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.

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. In order to do so, dentists must have 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 of whom have experience in both—private practice ownership and practice management 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.

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, connective tissue grafting, implant therapy, and esthetic contouring. The author also addresses 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.
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.

After clinical history-taking and examination, radiography is the “third way” of diagnosis, and dentists face the daily task of interpreting radiographic images to help in patient management. This book aims to give a comprehensive guide to reading x-ray images in dental practice and concentrates on intraoral radiographs. The text builds on a strong foundation of anatomical knowledge and is reinforced by the authors’ experience of the radiological appearances that frequently challenge dentists.
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 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.

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.

The use of resin composite in posterior restorations is an accepted practice, offering a predictable and minimally invasive treatment. Resin composite can be regarded as the "material of choice" for restoring many posterior teeth that have been damaged by caries or trauma. This textbook reviews the most current concepts, presents techniques for successful results, and demonstrates how to avoid common pitfalls.

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 edentulosity 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.
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 long-term success and therefore careful soft tissue management is pivotal.

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 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.
Nicholas J. A. Jepson

Removable Partial Dentures

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.

Michael O’Sullivan

Fixed Prosthodontics in Dental 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.
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 on 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.
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 high-quality selection of articles in the multiple specialties and disciplines that encompass dentistry.

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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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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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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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### International Journal of Oral Implantology

**Editor-in-Chief:** Craig Misch

**ISSN:** 1756-2406; Volume 13, 4 issues/year

**2020 Subscription Rates:**
- Full Rate (hard copy): £158 | €178
- Full Rate (e-journal): £158 | €178
- Institutional Rate (hard copy): £328 | €370
- Student Rate (hard copy): £84 | €92
- Single Issue (hard copy): £36 | €46
- Full Rate (e-mail): £190
- Institutional Rate (e-mail): £360
- Student Rate (e-mail): £116
- Single Issue (e-mail): £44

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 International Journal of Prosthodontics

**Editor-in-Chief:** Irena Sailer

**ISSN:** 0893-2174; Volume 33, 6 issues/year

**2020 Subscription Rates:**
- Full Rate (hard copy): £202 | €246
- Full Rate (e-journal): £202 | €246
- Institutional Rate (hard copy): £500 | €490
- Student Rate (hard copy): £132 | €176
- Student Rate (e-journal): £132 | €176
- Single Issue (hard copy): £34 | €44

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**

### Forum Implantologicum

**Editor-in-Chief:** Urs Belser

**ISSN:** 1861-6585; Volume 12, 2 issues/year

**2020 Subscription Rates:**
- Full Rate (hard copy): £42 | €48
- Full Rate (e-journal): £42 | €48
- Institutional Rate (hard copy): £86 | €98
- Student Rate (hard copy): £20 | €22
- Student Rate (e-journal): £20 | €22
- Single Issue (hard copy): £34 | €44

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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**Impact Factors:**
- *JOMI* 2018: 2.513
- *Forum Implantologicum* 2018: 1.734
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:** £246 | €300
- **International Air Mail:** £294
- **Full Rate (hard copy):** £652 | €648
- **Institutional Rate (hard copy):** £86 | €98
- **Student Rate (hard copy):** £204 | €248
- **Single Issue (hard copy):** £40 | €52

MICRO is the first journal focusing exclusively on the use of the operating microscope in all disciplines of clinical dentistry. The journal will present six to eight articles per issue featuring various topics: scientific articles exploring the physiology of wound healing in microsurgery; clinical articles discussing microscope imaging and techniques; peer-reviewed articles; and articles reporting microscope case studies. The publication will be printed in full color to display intricate detail.

Official journal of the Japan Association of Microscopic Dentistry (JAMO), Academy of Microscope Enhanced Dentistry (AMED), Brazilian Association of Operatory Microscopy (ABRAMO)

**2020 Subscription Rates:**
- **International Surface Mail:** £34 | €39
- **International Air Mail:** £50
- **Full Rate (hard copy):** £86 | €98
- **Institutional Rate (hard copy):** £16 | €18
- **Student Rate (hard copy):** £18 | €20
- **Single Issue (hard copy):** £25 | €24

The Chinese Journal of Dental Research is a peer-reviewed general dental journal in English sponsored by the Chinese Stomatological Association. The journal publishes original articles, short communications, invited reviews, and case reports.

Official journal of the Chinese Stomatological Association

**2020 Subscription Rates:**
- **International Surface Mail:** £78 | €84
- **International Air Mail:** £110
- **Full Rate (hard copy):** £136 | €140
- **Institutional Rate (hard copy):** £44 | €44
- **Student Rate (hard copy):** £44 | €44
- **Single Issue (hard copy):** £25 | €24

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, prosthetics, and implantology.

Official journal of the Belgian Association for Endodontontology and Traumatology and the Hellenic Society of Endodontics (EEE)

**2020 Subscription Rates:**
- **International Surface Mail:** £125 | €140
- **International Air Mail:** £157
- **Full Rate (hard copy):** £258 | €290
- **Institutional Rate (hard copy):** £64 | €70
- **Student Rate (hard copy):** £64 | €70
- **Single Issue (hard copy):** £34 | €36

**Impact Factor:** 1.228 (2018)
The emphasis of this journal is on the healthy and pathologic function of the craniomandibular system and the treatment of craniomandibular dysfunction. Its primary goal is to highlight the interdisciplinary aspects of diagnosis and subsequent treatment of craniomandibular dysfunction, thereby intensifying communication between medicine and dentistry. Ultimately, the aim of this practice-oriented journal is to advise clinicians on the most promising treatments available for their patients. Published in a dual English-German format.

**Official journal of the German Society of Craniomandibular Function and Disorders**

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**Founded upon sound scientific principles, this journal continues to make important contributions that strongly influence the work of dental and medical professionals involved in treating oral and facial pain, including TMDs, and headache. In addition to providing timely scientific research and clinical articles, the journal presents diagnostic techniques and treatment therapies for oral and facial pain, headache, mandibular dysfunction, and occlusion and covers pharmacology, physical therapy, surgery, and other pain-management methods.**

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This journal publishes clinically relevant articles on the entire range of digital aligner orthodontics, with a focus on the medical and scientific aspects and their practical relevance. Articles include case reports, clinical studies, studies on materials and devices, and literature reviews covering basic procedures, special situations, and multidisciplinary treatment.

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The Japanese Academy of Sports Dentistry’s official journal (in English), The International Journal of Sports Dentistry provides an overview of the scientific developments in sports-related dentistry around the world, with an emphasis on orofacial injury prevention and management of dentofacial trauma and craniofacial pain.

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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
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