

# Endodontic Microsurgery

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Microsurgery in Endodontics  
Grossman's Endodontic Practice  
Quintessence International  
Critical Thinking  
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Practical Osseous Surgery in Periodontics and Implant Dentistry  
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## **Microsurgery in Endodontics**

Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Dentistry, Oral Health, Odontology, and Craniofacial Research. The editors have built Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Dentistry, Oral Health, Odontology, and Craniofacial Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

## **Grossman's Endodontic Practice**

Microsurgery in Endodontics provides the definitive reference to endodontic microsurgery, with instructive photographs and illustrations. Provides a definitive

reference work on endodontic microsurgery Includes contributions from pioneers and innovators in the field of microsurgical endodontics Describes techniques for a wide range of microsurgical procedures Includes more than 600 instructive illustrations and photographs

### **Quintessence International**

### **Critical Thinking**

### **Endodontic Surgery**

This volume offers readers a pragmatic approach to endodontic therapy for permanent molars, based on up-to-date evidence. All chapters were written by experts in the field, and focus on preparation for treatment, vital pulp therapy, access cavity preparation, root canal shaping, outcome assessment, retreatment, apical surgery, and specific aspects of restorations for root canal-treated molars. The role of micro-CT data in visualizing canal anatomy is compared to cone beam CT, and detailed information on current clinical tools, such as irrigation adjuncts and engine-driven preparation tools is provided. Important steps are illustrated in clinical photographs and radiographs, as well as by schematic diagrams. Tables and check boxes highlight key points for special attention, and clinical pitfalls. Guiding references are provided. Performing molar endodontics is often a daunting prospect, regardless

of the practice setting. This is where “Molar Endodontics” is an ideal source of guidance for practitioners. Special devices and recent innovations in apex locators and nickel-titanium instruments have, however, made procedures significantly easier and more practical for non-specialists. This book will help conscientious clinicians to master molar endodontics with well-described and established clinical methods.

### **Practical Osseous Surgery in Periodontics and Implant Dentistry**

Dr. Syngcuk Kim, a world leader in microsurgical endodontic techniques, introduces advancements to the dental community in this book. This atlas showcases the most recent advances in microsurgical techniques and instrumentation, in a full-color reference format with 380 brilliant illustrations. Current topics include a comparison of traditional surgery and microsurgery in endodontics, microsurgical instruments, operation of the microscope, soft tissue management, and retropreparation. The book includes actual case histories. This book concentrates on the proven surgical practices of Dr. Kim Includes information on the inner workings of the operation microscope and the best way to work with the scope, ultrasonic unit and the new generation of microsurgery instruments created specifically for endodontics Specific chapters devoted to presurgical evaluations and premedications An entire chapter features case selections that clearly delineate the need for surgical

intervention

### **Complications in Endodontic Surgery**

Ingle's Endodontics, 7th edition, is the most recent revision of the text that has been known as the "Bible of Endodontics" for half a century. The new edition, published in two volumes, continues the tradition of including the expertise of international leaders in the field. Eighty-six authors contributed cutting-edge knowledge and updates on topics that have formed the core of this book for years. New chapters reflect the ways in which the field of endodontics has evolved over the 50 years since the pioneer John I. Ingle authored Endodontics. Ingle's Endodontics will continue to be the standard against which all other endodontic texts will be measured. The 40 chapters are arranged in two volumes under three sections: The Science of Endodontics; The Practice of Endodontics: Diagnosis, Clinical Decision Making, Management, Prognosis; and Interdisciplinary Endodontics. With contributions from the world's experts in all phases of the specialty, Ingle's Endodontics, 7th edition promises to be an indispensable dentistry textbook, an essential part of every endodontist's library.

### **Endodontic Microsurgery**

Get the practical information you need to add dental implants to your practice! Dr. Arun Garg, a leading dental implant educator, clinician, and researcher, uses a clear, succinct writing style to inform and

guide you through the full scope of dental implantology. A patient-focused approach covers surgical templates and techniques, sterilization, pharmacology, bone biology, complications, and more. A robust appendix offers handy information including insurance codes, consent forms, surgical tray set-ups, and food recipes for patients recovering from surgery. A practical yet comprehensive approach covers all aspects of implant dentistry from patient history to post-operative care, with minimal use of jargon, in an easy-to-read format. Outstanding photos help you visualize and understand patient outcomes. An appendix on post-operative instructions includes a unique section on delicious yet recovery-specific recipes.

### **Complications in Endodontic Surgery**

It incorporates the changes that have occurred in endodontic theory and practice in terms of materials, concepts and protocols. The presentation of the concepts and techniques has also been revised.

### **Best Practices in Endodontics**

### **Endodontics**

Doctoral Thesis / Dissertation from the year 2016 in the subject Medicine - Dentistry, grade: A, , course: MDS, language: English, abstract: This book analyses different types of retrograde filling materials. The major goals of root canal treatment are to clean and

shape the root canal system and seal it in 3 dimensions to prevent reinfection of the tooth. Although initial root canal therapy has high degree of success, failures can still occur after treatment. Recent studies reported failure rates of 14%–16% for initial root canal treatment. Lack of healing is attributed to persistent intraradicular infection residing in previously uninstrumented canals, dentinal tubules, or in the complex irregularities of the root canal system. The extraradicular causes of endodontic failures include periapical actinomycosis, a foreign body reaction caused by extruded endodontic materials, an accumulation of endogenous cholesterol crystals in the apical tissues, and an unresolved cystic lesion. This book is composed of ten chapters and begins with the need of root-end resection. The succeeding chapters deal with the method and concept of root-end resection, root end preparation to receive the material, ideal requirements of materials to be placed in the resected and prepared root-end. The concluding chapters describe various root-end materials available in the market so far and their properties, focusing on each individual material one by one, their advantages and disadvantages. This book will prove useful to Endodontists and Researchers in the field of endodontic surgeries & root-end filling materials. Also it would provide the undergraduate and postgraduate students an easy way of reference for covering a broad spectrum of Root-end filling Materials available today, in lucid and simple language.

### **3D Imaging in Endodontics**

Complex endodontic problems that require further work on the part of the clinician can be time-consuming and problematic. This highly illustrated text, from one of the authors of the very successful *Endodontics: Problem-Solving in Clinical Practice*, tackles these difficult aspects and guides the practitioner through the problems and procedures involved. The only monograph on this specific problem area, *Advanced Endodontics* will be of interest to endodontists, general dental practitioners with a special interest in endodontics, and postgraduates in restorative and endodontic specialties.

### **A New Dimension to Surgery- Endodontic Microsurgery**

This book provides clear, concise guidance on a range of essential treatment strategies for the provision of reliable endodontic care. Practical clinical procedures are described step by step and key concepts emphasized with the aid of a wealth of high-quality illustrations and photographs. Examples of best practice are documented by means of clinical case examples, and the provision of concise tips and recommendations ensures that the reader will quickly be able to find solutions to any one of the myriad of endodontic challenges with which he or she may be confronted. In addition, the most relevant key literature is reviewed in order to support and reinforce the discussed clinical concepts. The described endodontic treatment strategies are all grounded in a sound scientific evidence base. The book should

enable practitioners to manage any endodontic case from first principles and will be of value for both dental practitioners and endodontic trainees/specialists.

### **The Root Canal Anatomy in Permanent Dentition**

### **Compendium of Continuing Education in Dentistry**

This book is designed to provide the reader with a full understanding of the role of cone beam computed tomography (CBCT) in helping to solve many of the most challenging problems in endodontics. It will shorten the learning curve in application of this exciting imaging technique in a variety of contexts: difficult diagnostic cases, treatment planning, evaluation of internal tooth anatomy prior to root canal therapy, nonsurgical and surgical treatments, early detection and treatment of resorptive defects, and outcomes assessment. The ability to obtain an accurate 3D representation of a tooth and the surrounding structures by means of noninvasive CBCT imaging is changing the approach to clinical decision making in endodontics. Clinicians long accustomed to working in very small, three-dimensional spaces are no longer constrained by the limitations of two-dimensional imaging. The challenges of mastering the new technology can, however, be daunting. The detailed guidance contained in this book will help endodontists to take full advantage of the important

benefits offered by CBCT.

### **It Never Goes Away**

The Principles of Endodontics, Second Edition integrates theory with practice to produce an ideal introduction to endodontics. Fully illustrated and written in a straightforward style, this guide demystifies a core aspect of the clinical practice of dentistry.

### **Suturing Techniques in Oral Surgery**

This book presents up-to-date recommendations for the prevention, diagnosis, and management of complications in endodontic surgical procedures, based on the best available scientific evidence. Common risks such as wound healing impairment, infection and bleeding are discussed and specific complications related to endodontic surgery, such as maxillary sinus involvement and damage to adjacent neurovascular structures, are reviewed. For each step of endodontic surgical procedures, surgical goals and possible outcomes are reviewed. Preoperative, intraoperative and postoperative risk factors for complications are identified and treatment options presented. Helpful decision-making algorithms, tables and flow charts complement the reader-friendly text.

### **Pathways of the Pulp**

A problem-based text that presents a wide range of real cases in endodontics Clinical Cases in

Endodontics presents actual clinical cases, accompanied by academic commentary, that question and educate the reader about essential topics in endodontic therapy. It begins with sets of cases illustrating the most common diagnoses and the steps involved in preparing a treatment plan. Subsequent chapters continue in this style, presenting exemplary cases as the basis of discussing various treatment options, including nonsurgical root canal treatment, re-treatment, periapical surgery, internal and external resorption, emergencies and trauma, and treating incompletely developed apices. The progression from common to increasingly challenging clinical cases enables readers to build their skills, aiding the ability to think critically and independently. The Clinical Cases series is designed to recognize the centrality of clinical cases to the profession by providing actual cases with an academic backbone. Clinical Cases in Endodontics applies both theory and practice to real-life cases in a clinically relevant format. This unique approach supports the trend in case-based and problem-based learning, thoroughly covering the full range of endodontic treatment. Unique case-based format supports problem-based learning Promotes independent learning through self-assessment and critical thinking Covers all essential topics within endodontics Presents numerous illustrations and photographs throughout to depict the concepts described Clinical Cases in Endodontics is an ideal resource for students mastering endodontic treatment, residents preparing for board examinations, and clinicians wanting to learn the most recent evidence-based treatment protocols.

# **Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2011 Edition**

## **Microsurgical Endodontics**

As a supplement to the book with the same title, these two videos present fourteen case studies of endodontic surgeries. The surgical procedures and techniques explained in detail in the book are shown here step-by-step and performed on each tooth type. The videos begin with simple maxillary procedures and move to more complex surgeries. The cases are surgical retreatments of conditions unsuccessfully treated with conventional endodontic therapy. Shown are techniques in performing incision and drainage, root amputation, hemisection, extraction and replantation, retrograde root canal therapy, and repair of root perforations surgically and nonsurgically. Guided tissue regeneration procedures are performed on the maxillary and mandibular molars. These videos were produced in conjunction with Loma Linda University School of Dentistry Continuing Education Department.

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

Dentistry has been undergoing enormous changes, and the field of endodontics has certainly been at the forefront. Recent advances in technology, materials, and equipment have changed the way endodontics is

practiced today, thereby facilitating treatments with greater efficiency, precision, and success, ultimately leading to better outcomes. Current Therapy in Endodontics encompasses the recent discoveries and applications for this field in one clinically relevant volume. Evidence-based presentation of recent advances in the field of endodontics Objective comparison of materials and instruments on the market Tables present key data and instruction for quick viewing and comprehension

### **Practical Lessons in Endodontic Surgery**

Proper management of soft tissues in periodontal, implant, and reconstructive surgery has become increasingly important for esthetic 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.

### **Oral and Maxillofacial Surgery**

### **Implant Dentistry - E-Book**

Problem Solving in Endodontics, 5th Edition, by James

L. Gutmann and Paul Lovdahl, offers updated techniques and an evidence-based approach to the most common procedures performed at chairside. Ideal for both endodontists and general dentists, this thoroughly revised reference combines the precision of quality endodontic care with achievable and pain-free outcomes for the patient. Each chapter has been carefully designed so that you'll quickly grasp the anatomy, the instruments needed, and what procedures should be performed -- all supplemented by boxed clinical case examples and tips. Going beyond problem solving, it also addresses the major issues in diagnostic, anatomic, restorative, periodontic, traumatic, and surgical aspects of tooth retention. Provides chairside guidance for the endodontic procedures most commonly performed by endodontists and general dentists. Entire text has expanded concepts that are verified in new drawings and clinically relevant cases. Integrates new technologies and materials into every chapter that when applied result in predictable and optimal outcomes. Establishes clear parameters for the retention of teeth. Correlates optimal patient outcomes with an evidence-based approach. Reflects the practical expertise of renowned endodontics authority and past President of the AAE, Dr. James Gutmann, and endodontics specialist, Dr. Paul Lovdahl. Every chapter has been completely rewritten, and concepts have been integrated for quick recognition, understanding and application to common, everyday challenges. The Surgery section has been expanded with new case studies, and more in-depth coverage of indications and applications for surgeries, such as crown-lengthening technique,

periradicular surgery to manage perforations and resorptive defects, and other endodontically-related problems. The approach of this text is to teach the clinician how to recognize and analyze the problems encountered and to synthesize the data for realistic and successful outcomes. To help you make the best clinical decisions, this edition contains new chapters and new sections on diagnosis and treatment planning that presents crucial information on Radiographic Images, Differential Diagnosis of Bony Defects, Diagnosis of Treatment Failure, and Diagnosis of Non-odontogenic Pain. Retains a succinct, user-friendly format with a new design that includes hundreds of NEW high-quality clinical photos and art. Offers broader coverage of tooth trauma with established treatment planning outcomes. ALL references are updated and annotated in the text. Provides a practical, problem-solving approach with new chapters on: radiographic technique and interpretation; impact of pulp disease on the periodontium and vice versa; treatment failure and tooth retention; how to differentiate problems of pulp/periodontium from those that are non-odontogenic in nature; vital pulp therapy; and more.

### **Practical Advanced Periodontal Surgery**

ENDODONTICS: PRINCIPLES AND PRACTICE, 4th Edition is an essential scientific and clinical building block for understanding the etiology and treatment of teeth with pulpal and periapical diseases. You'll easily understand and learn procedures through step-by-step explanations accompanied by full-color

illustrations. Comprehensive coverage of normal structures, disease, diagnosis and treatment planning, periodontic endodontic interrelationship, trauma, local anesthesia, root canal instruments, access preparations, cleaning and shaping, obturation, temporization, retreatment, endodontic surgery, endodontic outcomes, internal bealching, vital pulp therapy, geriatric endodontics, vertical fractures, and more gives you a complete understanding of modern endodontics! Distinguished experts in the field of endodontics share their experience regarding each topic discussed. Current references incorporate evidence-based information that is relevant to your practice. Advice for the prevention and treatment of accidental procedural errors ensures you are prepared to safely care for your patients. Outlines and Learning Objectives at the beginning of each chapter provide quick reference for specific topics. High-quality, full-color illustrations allow you to see the procedures described. Newly reorganized content now simulates the order in which procedures are performed in clinical settings.

### **Color Atlas of Microsurgery in Endodontics**

This book presents up-to-date recommendations for the prevention, diagnosis, and management of complications in endodontic surgical procedures, based on the best available scientific evidence. Common risks such as wound healing impairment, infection and bleeding are discussed and specific complications related to endodontic surgery, such as

maxillary sinus involvement and damage to adjacent neurovascular structures, are reviewed. For each step of endodontic surgical procedures, surgical goals and possible outcomes are reviewed. Preoperative, intraoperative and postoperative risk factors for complications are identified and treatment options presented. Helpful decision-making algorithms, tables and flow charts complement the reader-friendly text.

### **Advanced Endodontics**

Practical Osseous Surgery in Periodontics and Implant Dentistry is a step-by-step manual that guides readers through osseous surgery procedures for treating periodontal issues as well as for ensuring proper anchorage of dental implants. Dibart and Dibart use hundreds of color photographs and succinct text to illustrate and explain the most recent advances and techniques for creating the ideal bone structure for each patient. This book covers periodontal therapies including resective surgery, and regenerative surgery, as well as implant therapies, including socket preservation, correcting bony deficiencies, bone grafts, minimally invasive surgical procedures, and the latest technologies such as Piezosurgery. It also devotes chapters to growth-factor enhanced bone grafts, Piezocision™, and restoration of the placed implant. Practical Osseous Surgery in Periodontics and Implant Dentistry focuses on clinical applications of surgical procedures, making it an essential tool for both specialists and generalists with an interest in implant dentistry and osseous surgery procedures.

## **Problem Solving in Endodontics - E-Book**

The key factors to successful endodontic surgery--vision and precision--are now readily attainable, thanks to the advent of the operating microscope. As always, however, the success or failure of treatment ultimately depends on the skill and knowledge of the clinician. Drawing on more than 15 years of experience, 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, apicoectomy, 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.

## **Surgical Endodontics**

Completely updated to keep you absolutely current, this comprehensive reference remains the definitive text for practicing endodontists and general dentists. The ninth edition offers a superb new full-color design and integrates the latest evidence-based research for clinical treatments. It includes coverage of the latest devices and techniques including endodontic instrumentation, obturation, and surgical and

retreatment procedures. Providing the latest in treating endodontic infections and pain, and in establishing differential diagnoses, this is a one-stop resource! Records and Legal Responsibilities chapter includes legal forms and descriptions of legal processes, guidelines for record keeping, and updated information on HIPAA/doctor-patient rights and responsibilities. Geriatric Endodontics chapter discusses special considerations and procedures for older patients. Digital Technologies chapter explains how electronic records can reduce paper flow, improve legibility of treatment plans and prescriptions, recall advice given to patients, and record diagnoses; it also shows how technology can be applied to improve patient care. Instruments, Materials and Devices chapter discusses tools and materials used to clean and shape the root canal, including the new MTAD (Endo-Pure<sup>®</sup>) irrigant, plus appropriate care for instruments, and how to select proper instruments. Information on managing problems/emergencies in endodontic anesthesia explains troubleshooting guidelines for more efficient problem solving, and includes drug interaction tables and guidelines on how to select proper anesthetics. Endodontic Pharmacology chapter outlines pharmacologic options for pretreatment, posttreatment, and intraoperative stages, including current information on COX-2 inhibitors and new drugs on the market. Full-color design offers more detail in clinical photos. New contributors offer expert perspectives and build on the material in previous editions. Endodontic Failures chapter discusses treatment for apical periodontitis. Coverage of biocontaminants and the sterilization of tools and

waterlines includes updates on antibacterial procedures and materials, and sterilization pre- and post-treatment, helping practices maintain better infection control. Information on wireless digital radiology describes components and applications, with a pro-and-con comparison to traditional film. Coverage of the connection between apical periodontitis/gingival infection and stroke/heart conditions helps clinicians make better decisions when preparing and treating patients.

### **Root-End Resection, Retro-Preparation and Retrograde Root-End Filling Materials**

Endodontic surgery has now evolved to endodontic microsurgery. It has revolutionized the way surgery is perceived and performed by using state-of-the-art equipment, instruments and materials that match the biological concepts with clinical practice. Coupled with the introduction of magnification through the use of the surgical operating microscope, miniaturised armamentarium, refined principles of soft and hard tissue management, use of tissue regenerative root-end filling materials and enhanced principles of wound closure and postoperative management, surgical endodontics has emerged as a highly predictable and relatively painless procedure.

### **Ingle's Endodontics**

### **The Art and Science of Contemporary**

### **Surgical Endodontics**

This book describes the most commonly methods used for the study of the internal anatomy of teeth and provides a complete review of the literature concerning the current state of research employing contemporary imaging tools such as micro-CT and CBCT, which offer greater accuracy whether using qualitative or quantitative approaches. In order to facilitate the management of complex anatomic anomalies, specific clinical protocols and valuable practical tips are suggested. In addition, supplementary material consisting in high-quality videos and images of different anatomies obtained using micro-CT technology is made available to the reader. The book was planned and developed in collaboration with an international team comprising world-recognized researchers and experienced clinicians with expertise in the field. It will provide the readers with a thorough understanding of canal morphology and its variations in all groups of teeth, which is a basic prerequisite for the success of endodontic therapy.

### **Color Atlas of Microsurgery in Endodontics**

### **Current Therapy in Endodontics**

If you are transgendered, the feeling of wanting your body to match the sex you feel you are never goes away. For some, though, especially those who grew

up before trans people were widely out and advocating for equality, these feelings were often compartmentalized and rarely acted upon. Now that gender reassignment has become much more commonplace, many of these people may feel increasing pressure to finally undergo the procedures they have always secretly wanted. Ken Koch was one of those people. Married twice, a veteran, and a world traveler, a health scare when he was sixty-three prompted him to acknowledge the feelings that had plagued him since he was a small child. By undergoing a host of procedures, he radically changed his appearance and became Anne Koch. In the process though, Anne lost everything that Ken had accomplished. She had to remake herself from the ground up. Hoping to help other people in her age bracket who may be considering transitioning, Anne describes the step by step procedures that she underwent, and shares the cost to her personal life, in order to show seniors that although it is never too late to become the person you always knew you were, it is better to go into that new life prepared for some serious challenges. Both a fascinating memoir of a well-educated man growing up trans yet repressed in the mid-twentieth century, and a guidebook to navigating the tricky waters of gender reassignment as a senior, *It Never Goes Away* shows how what we see in the television world of *Transparent* translates in real life.

## **Endodontic Treatment, Retreatment, and Surgery**

### **The Principles of Endodontics**

Dr. Syngcuk Kim, a world leader in microsurgical endodontic techniques, introduces advancements to the dental community in this book. This atlas showcases the most recent advances in microsurgical techniques and instrumentation, in a full-color reference format with 380 brilliant illustrations. Current topics include a comparison of traditional surgery and microsurgery in endodontics, microsurgical instruments, operation of the microscope, soft tissue management, and retropreparation. The book includes actual case histories. This book concentrates on the proven surgical practices of Dr. Kim Includes information on the inner workings of the operation microscope and the best way to work with the scope, ultrasonic unit and the new generation of microsurgery instruments created specifically for endodontics Specific chapters devoted to presurgical evaluations and premedications An entire chapter features case selections that clearly delineate the need for surgical intervention

### **The Guidebook to Molar Endodontics**

In recent years, cone beam computed tomography (CBCT) has become much more widely available and utilised 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.

## **Clinical Cases in Endodontics**

### **Endodontics - E-Book**

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