This clinical guide is a concise up-to-date resource that covers a wide range of endodontic procedures, including non-surgical root canal therapy, surgical root canal therapy, trauma care and the management of fractured teeth, apexification, apexogenesis, revascularization, regeneration, Cvek partial pulpotomy, root canal retreatment, and periapical surgery. The provision of numerous flowcharts, checklists, and advice on error avoidance for each procedure will assist in decision-making in daily practice. Scientific and clinical evidence regarding the use and efficacy of the different forms of treatment is summarized, and helpful information is also presented on instrumentation. The inclusion of exam questions will assist those preparing for endodontic examinations. A Primer on Endodontic Treatment will be of value for dental students, residents in training to become endodontists, endodontists, pediatric dentists, and established dentists.

Textbook of Endodontics is a comprehensive text on current practice, trends and philosophy in the art and science of endodontics. The book has been specifically written keeping the curriculum needs of a final year undergraduate student in mind, and is strictly as per the Dental Council of India (DCI) guidelines.

About the Author: Anil Kohli completed his graduation and postgraduation from Faculty of Dental Sciences, King George's Medical College, Lucknow. He is widely respected for his immense contributions to the field of Dentistry all over the world. In appreciation of his distinguished services, he was conferred the 'Padma Shree' in 1992 and the Padma Bhushan' in 2005. He has also received the coveted 'Dr B C Roy National Award' as well as the 'S S Bhatnagar Award' from King George's Medical College, Lucknow, for his outstanding work.

Dr Kohli has published several research papers in National and International journals, headed several professional bodies and is currently the President of Dental Council of India. In recognition of his outstanding contributions, he has been conferred the Honorary rank of 'Brigadier' in the Army Dental Corps. He is also Dean, Faculty of Dentistry, Baba Farid University, Punjab. He is an Adjunct Professor to Boston and Tuffs University. He has been awarded fellowship of Royal College of Dental Surgeons of England. He is the Chairman of Education Committee, Asia Pacific Dental Congress (APDC) and a member of the Education Committee of Fédération Dentaire Internationale (FDI). He has to his credit 10 honorary PhD / DSc degrees from various national and international universities.

Endodontic Radiology, 2nd edition, is a unique reference that examines all aspects of radiographic imaging related to endodontics. Dr. Bettina Basrani and a team of prestigious international contributors build upon traditional radiographic techniques and include the latest information available on digital radiographs and cone beam computed tomography. The book addresses all aspects of endodontic radiology, from the basics of film radiography to the latest developments in digital imaging and cone beam computed tomography.
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Endodontic Radiography Guidelines provide a comprehensive overview of the equipment and techniques used in endodontic treatment. The book delves into radiographic interpretation, differential diagnosis, technical difficulties, and special circumstances when taking radiographs during the endodontic treatment. Chapters explain general radiographic techniques; intraoral techniques; standard radiographs and interpretation; digital radiographs and their manipulation, storage, and interpretation; and CBCT principles, techniques, and clinical considerations.

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.

The authoritative reference that continues to present a systematic analysis of the scientific basis of endodontology. The third edition of Essential Endodontology: Prevention and Treatment of Apical Periodontitis has been revised and updated to include the most recent developments in the field, maintaining its position as the major scientific treatise of apical periodontitis. Making an often-complex subject more digestible, the book explores the scientific basis of endodontology, adopting a systematic analysis of the available clinical and laboratory evidence. Promoting apical periodontitis as a disease entity, the comprehensive third edition focuses on its biology and clinical features, enabling the reader to have a better understanding of its diagnosis, prevention and treatment. In addition to thorough updates and full colour illustrations throughout, a new chapter on regenerative endodontics has been added to this edition. Written with a focus on the scientific basis of endodontology, it includes a new chapter on regenerative endodontics, presents the most current information and major developments in this fast-moving field, provides helpful learning outcomes in each chapter, contains full colour illustrations, enriching the text, features contributions from a noted panel of international experts, including new contributors from across the globe. Regarded as a vital companion to the pursuit of excellence in postgraduate and specialist education, Essential Endodontology is an indispensable and accessible resource for practicing endodontists, postgraduate students of endodontology and those seeking professional certification in endodontology.

This superbly illustrated book provides detailed information on the causes of instrument failure during endodontic treatment, the factors influencing the management of such cases, and the diverse management options that may be employed to resolve the problem. Readers will find clear descriptions and comparative evaluation of the available methods, techniques, and devices. Complications that may arise during the management of fractured instruments are described, and the impact of retained file fragments on the prognosis of endodontic treatment is discussed. In addition, means of preventing iatrogenic errors from occurring in the first place (the best form of management) are explained, emphasizing that the risk of instrument failure is reduced if proper guidelines are carefully considered and followed. The book will assist both endodontists and general dental practitioners in achieving an optimal outcome when confronted with the time-consuming and challenging task of dealing with a fractured instrument within the root canal—a still frequent circumstance despite the plethora of improvements in instrument design, alloy composition, and manufacturing processes.
endodontic infections are presented for both vital and nonvital pulp therapy, and the influence of periradicular pathology are addressed in detail. Moreover, the dental tissues as well as their reactions to the clinical procedures and (2) uses clinical microbiology to explain the observed phenomena. Treatments of complex microbiology, this book combines invaluable histologic illustrations of endodontic disease with a robust clinical text that (1) describes the pathologies affecting basic endodontic knowledge and advanced endodontic biology. Written by a well-established clinician and a researcher with extensive background in endodontic...
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The purpose of this book is to improve endodontic treatment, and the authors demonstrate how an in-depth knowledge of endodontic infections can help clinicians to synthesize the data from patient examinations in order to visualize what has taken place, understand the processes at work, and predict what will occur with the patient. An essential clinical text for comprehensive endodontic study.

From renowned endodontics experts Mahmoud Torabinejad, Ashraf Fouad, and Shahrokh Shabahang comes Endodontics: Principles and Practice, 6th Edition. This focused and extensively revised new edition contains all the clinically-relevant information needed to incorporate endodontics into general dentistry practice. Illustrated step-by-step guidelines address the ins and outs of diagnosis, treatment planning, managing pulpal and periapical diseases, and performing basic root canal treatments. Updated evidence-based coverage also includes topics such as the etiology of disease, local anesthesia, emergency treatment, obturation, and temporization. It's the perfect endodontics guide for both entry-level dental students and general dentists alike. Well-known, international contributors share guidelines, expertise, and their clinical experience with contemporary technologies and procedures. Authoritative, visually detailed coverage provides a practical understanding of basic endodontic principles and procedures, including pulpal and periapical diseases and their management. Clinically-relevant organization reflects the order in which procedures are performed in clinical settings, enhancing your understanding of the etiology and treatment of teeth with pulpal and periapical diseases. Over 1,000 full-color illustrations ensure a clear, accurate understanding of procedures, and include radiographs and clinical photographs. Learning objectives help you meet the theoretical and procedural expectations for each chapter. NEW! Sharper focus on the most clinically relevant content eliminates much of the basic science that you have already studied and focuses on the information and skills that are most-needed during clinical practice. NEW! Fully updated, evidence-based content integrates the best clinical evidence with the practitioner's clinical expertise and the patient's treatment needs and preferences. NEW! Mid-chapter questions check your understanding of the concept before moving onto the next topic. This 4th edition is an essential scientific & clinical building block for understanding the etiology & treatment of teeth with pulpal & periapical diseases. You'll easily understand & learn procedures through step-by-step explanations accompanied by illustrations, as well as video clips included on CD.

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.

The third edition of Traumatic Dental Injuries: A Manual builds on the widespread success of the previous two editions. The ultimate guide to dental trauma, the manual preserves its uniquely usable and reader-friendly format, demonstrating step-by-step treatment protocols for commonly occurring traumatic injuries. Several new sections have been added to expand the number of clinical scenarios, describing soft tissue injuries associated with dental trauma, showing how decoronation of ankylosed anterior teeth in adolescents can preserve the alveolar process for later implant placement, and identifying predictors for pulpal and
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In this edition, the authors have updated the content to reflect the latest advancements in endodontic theory and practice. The book now includes new sections on materials, concepts, and protocols. The presentation of concepts and techniques has also been revised. 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 objectives of this study was to investigate the attitude of general dental practitioners to endodontic techniques and treatment modalities; to investigate the attitude of patients who had received endodontic procedures; and to examine both clinically and radiographically the overall standard of endodontic treatment of patients presenting at the University Dental School and Hospital, Cork. A questionnaire form was posted to 1855 registered dental practitioner in Ireland. Two
hundred and thirty six patients were surveyed using a questionnaire form; these same patients were subjected to clinical examination of the root treated tooth/teeth, and a periapical radiograph(s) were taken for each endodontically treated tooth. All the radiographs were taken using a film-holder. All the radiographs were interpreted using strict criteria. Seven hundred and forty six of the returned questionnaires were used. From these returns it was observed that: 31% of practitioners always used rubber dam during root canal treatment; 86% of practitioners always obtain preoperative periapical radiograph; 68% of respondents always use long-cone paralleling technique while taking periapical radiographs; 59% of practitioners take radiographs at each step of the endodontic treatment; periapical radiograph with an instrument in the root canal was the most common method used for establishing the working length; sodium hypochlorite was the most commonly used irrigating solution; and manual root canal preparation and obturation techniques were most commonly used by the majority of the respondents. 60% of patients stated that root canal treatment was performed on their teeth without the application of rubber dam; only 22% of patients had a complaint from the root treated tooth, 42% of the complaints were related to the coronal restoration or the surrounding tissues; 57% of the patients gave a negative response to endodontic re-treatment; clinically sinus tracts were observed in approximately 2% of cases, intra-oral swelling occurred in less than 1%, and about 5% of root treated teeth were tender to percussion. The coronal restoration was recorded good when examined clinically in 66%, while examination using radiographs was 52%; 38 (7%) of 577 root canals contained no obturation; 33% of the root treated teeth were associated with a periapical radiolucency; the overall assessment of the quality of obturation per tooth was; standard 11%, acceptable 30%, and substandard 59%; the overall assessment of complete endodontic procedure was recorded standard in 9%, acceptable in 27%, and substandard in 64% of cases; and the outcome/survival of the root treated tooth was recorded good in 94% of cases and 6% had poor outcome. From the obtained data it can be concluded that the majority of practitioners in Ireland were not familiar with or did not follow the standard quality guidelines. Radiographic examination of endodontically treated teeth demonstrated a higher prevalence of coronal restoration defect that periapical radiolucency. In the majority of teeth examined, the quality of the root canal obturations and/or endodontic procedures was considered substandard.

Endodontic Radiology, 2nd edition, is a unique reference that examines all aspects of radiographic imaging related to endodontics. Dr. Bettina Basrani and a team of prestigious international contributors build upon traditional radiographic techniques and include the latest information available on digital radiographs and cone beam computed tomography. More than an overview of equipment, the book delves into radiographic interpretation, differential diagnosis, technical difficulties and special circumstances when taking radiographs during the endodontic treatment, and how to choose the correct radiographic technique to obtain the desired images. Chapters explain general radiographic techniques; intraoral techniques; standard radiographs and interpretation; digital radiographs and their manipulation, storage, and interpretation; and CBCT principles, techniques, and clinical considerations.

The second edition of Textbook of Endodontology continues the aim of serving the educational needs of dental students and dental practitioners searching for updates on endodontic theories and techniques. Significantly restructured and completely updated, the new edition maintains the ethos of the original, facilitating ease of learning through pedagogical features such as annotated references, core concepts and key literature. It features a number of new chapters on topics ranging from outcomes of endodontic treatment to managing endodontic complications to dental trauma. Additionally, all other chapters have been thoroughly revised and brought up to date to reflect contemporary knowledge and practice. Textbook of Endodontology continues its important function of providing lucid scholarship and clear discussion of biological concepts and treatment principles in endodontics, and such will be an important update to its current readers and a valuable discovery to its new audience.
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.

Panoramic radiology systems are currently being used in more practices than at other any time in the past. The practitioner now has decisions to make regarding detector technology selection for image acquisition and must remain informed about appropriate usage. This book is applicable to all panoramic dental images and equipment. It approaches panoramic radiology usage in the context of general and specialty applications.

Well-known, international contributors share guidelines, expertise, and their clinical experience with contemporary technologies and procedures. Authoritative, visually detailed coverage provides a practical understanding of basic endodontic principles and procedures, including pulpal and periapical diseases and their management. Clinically-relevant organization reflects the order in which procedures are performed in clinical settings, enhancing your understanding of the etiology and treatment of teeth with pulpal and periapical diseases. Over 1,000 full-color illustrations ensure a clear, accurate understanding of procedures, and include radiographs and clinical photographs. Learning objectives help you meet the theoretical and procedural expectations for each chapter. More than 67 video clips
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This book describes the most commonly encountered endodontic complications and provides up-to-date information on their prevention and management. The opening chapters explain the importance of accurate diagnosis and treatment planning, outline the role of digital radiography and CBCT in managing complications, and highlight the need for close attention to anatomic landmarks in order to avoid damage to neurovascular anatomy. Endodontic problems associated with different procedural errors are then discussed in detail, covering a wide variety of access- and instrumentation-related complications and the difficulties that may arise when using obturation techniques. Readers will also find information on the endodontic periodontal relationship, special issues in geriatric patients, and the potential medical emergencies and precautions in specific patient subsets. The clear, easy-to-read text is complemented by numerous high-quality photographs and tables that assist understanding and ready identification of management solutions. This book will be of value for all dental practitioners with an interest in endodontics, endodontic specialists, and higher-level students.