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The Root Canal Anatomy in Permanent Dentition The Anatomy of the Root-canals of the Teeth of the Permanent Dentition Human Teeth Root Canal Anatomy of Maxillary First and Second Molar Teeth from an Irish Sample Determined by a Clearing Technique and by the Examination of Standardised Radiographs Shaping for Cleaning the Root Canals The Cross-sectional Anatomy of the Mesial Root of Mandibular Molars Before and After Instrumentation The Anatomy of Canals Root and Root Canal Anatomy of Maxillary First Permanent Molars in a Malaysian Population The Anatomy of the intestinal canal and peritoneum in man A Comparative Investigation of the Root Number and Canal Anatomy of Permanent Teeth in a Southern Chinese Population The Root Canal Morphology of Mandibular Second Bicuspid Clinical Atlas of Retreatment in Endodontics A Comparative Investigation of the Root Number and Canal Anatomy of Permanent Teeth in a Southern Chinese Population The Anatomy of the Intestinal Canal and Peritoneum in Man Abberant Root Canal Anatomy and Their Management The Anatomy of the Intestinal Canal and Peritoneum in Man The Anatomy of the Intestinal Canal and Peritoneum in Man (Classic Reprint) Root and Canal Morphology of Third Molar Textbook of Endodontics Root Canal Morphology of Human Mandibular Incisors and Canines Seltzer and Bender's Dental Pulp Root Canal Morphology of the Human Maxillary and Mandibular Second Molar Color Atlas of Endodontics Root Canal Morphology of Human Maxillary First Molars The Root Canal Morphology of Mandibular Second Molars The Root Canal Morphology of Mandibular Premolars Root Canal Morphology of Human Mandibular First and Second Bicuspid Cohen's Pathways of the Pulp Expert Consult - E-Book Root Canal Morphology of the Maxillary First Molar Root Canal Morphology of Maxillary Permanent First Molar Teeth at Various Ages Root Canal Morphology of the Mandibular Second Premolar The Anatomy of the Human Bones, Nerves, and Lacteal Sac and Duct The Guidebook to Molar Endodontics The Root Canal Morphology of Mandibular Incisor Teeth Disinfection of Root Canal Systems Vol 2: Rectum and Anal Canal The Root Canal Biofilm Root Canal Morphology of Maxillary First and Second Molars Root and Root Canal Morphology of Maxillary First Premolars in Malays Endodontic Irrigation

CLINICAL ATLAS OF RETREATMENT IN ENDODONTICS Explore a comprehensive pictorial guide to the retreatment of root canals and failed endodontic cases with step-by-step advice on retreatment management Clinical Atlas of Retreatment in Endodontics delivers an image-based reference to the management of failed root canal cases. It provides evidence-based strategies and detailed clinical explanations to manage and retreat previous endodontically failed cases. It contains concrete evidence-based and practical techniques accompanied by full-colour, self-explanatory clinical photographs taking the reader through a journey of successful management of the failed clinical cases. Using a variety of clinical cases, the book demonstrates why and how endodontic failures occur, how to prevent them, and how to manage them in clinical practice. It also emphasises on evaluating the restorability and prognosis of the tooth in order to make a proper case selection for providing retreatment. This book also discusses the various factors that can help the clinician to make a case for nonsurgical or surgical retreatment. Readers will benefit from the inclusion of clinical cases that provide: A thorough introduction to perforation repair, with a clinical case that includes the repair of pulpal floor perforation caused due to excessive cutting of the floor of the pulp chamber An explanation of various factors for instrument separation, supported with a case that includes the removal of a fractured instrument Practical discussions of instrument retrieval, with a case that includes a fractured instrument at the apical third of mandibular molar A step wise pictorial description for guided root canal therapy Selective root canal treatment as a treatment option for retreatment of failed endodontic cases A detailed clinical description for how to explore and modify the endodontic access cavity for locating extra/missed canals Perfect for endodontists, endodontic residents, and general dentists, Clinical Atlas of Retreatment in Endodontics is also useful for undergraduate dental students and private practitioners who wish to improve their understanding of endodontic retreatment and are looking for a one-stop reference on the subject. This book provides information on nomenclature, tooth numbering systems, tooth morphology, and anatomy and stages of tooth formation. It continues with root canal morphology and anatomy of incisors, canines, premolars, and molars. External and internal anatomies of mandibular permanent incisors and maxillary permanent first molars are presented according to a literature review. Orofacial structures affecting tooth morphology are discussed in detail. The book ends with the evolution of dental implant shapes and today's custom root analog implants. This volume charts the history of the British canal system at the height of its popularity from the 1790s to the 1820s. Clean root canal systems are essential for successful endodontic treatment. With contributions from leading endodontists from around the world, Dr. Nestor Cohenca here presents the etiology of endodontic disease caused by the endodontic biofilm and all therapies available to predictably disinfect the root canal system, thus increasing successful endodontic outcomes. Disinfection of Root Canal Systems: The Treatment of Apical Periodontitis is an evidence-based manual that describes root canal anatomy, the endodontic biofilm, and the role of disinfection before presenting the most up-to-date methods of irrigation and disinfection. Individual chapters are devoted to each method, such as positive pressure irrigation, apical negative pressure irrigation, sonic activation, photodynamic therapy, laser technology, and ozonization and electrochemical activation. Clinical photographs throughout show proper irrigation and disinfection techniques. This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant. Endodontics is the prevention, diagnosis and management of diseases of the tooth pulp and the tissues surrounding the root of a tooth. This new edition brings trainees up to date with the most recent advances in the field. Each chapter has been fully revised and new topics are included such as endodontic failures and retreatment, tooth hypersensitivity, and tooth infractions. Key points and clinical tips are highlighted for each topic and questions are included at the end of each chapter to assist exam preparation. This comprehensive third edition includes more than 1000 high quality images and line diagrams and two accompanying DVD ROMs demonstrate root canal procedures. Key points Comprehensive, new edition bringing trainees fully up to date with recent advances in endodontics Each chapter included key points, clinical tips and questions for revision Two DVD ROMs demonstrate root canal procedures Previous edition published in 2010 "Nearly three decades ago, Samuel Seltzer and I. B. Bender pioneered the concept of developing biologically based recommendations for the clinical practice of endodontics and restorative dentistry. This concept was the cornerstone of their classic textbook, The Dental Pulp. Seltzer and Bender's Dental Pulp represents the evolution of that book and of the philosophical principles on which it was based. Today we know that pulp tissue plays a central role in both local and systemic health. This book presents the latest research on the dental pulp and its interaction with other tissues. Each chapter provides an introduction to its major themes for the busy clinician or dental student, as well as a set of biologically based clinical recommendations for restorative and endodontic procedures."--Publisher. The book describes teeth development and components with classification of canal configurations. Different methods of studying of root canal morphology were illustrated and compared. Followed by detailed description of root canal morphology of individual tooth with concentration on third molar. There has been little published work about root and canal morphology of third molar in the dental literature and no published work conducted on Jordanian or Middle Eastern population. The aim of this monograph was to investigate root and canal morphology of third molar in a Jordanian population. Wurzelkanal / Anatomie 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. This book provides clinicians with up-to-date, scientifically based guidance on the most important stages of endodontic treatment, i.e., cleaning and shaping of the root canal space, including mechanical preparation and chemical disinfection. Five internationally recognized experts present and discuss recent developments and new perspectives in the field. Important advances in root canal preparation and irrigation procedures are described with the aid of numerous high-quality illustrations. A key feature of the book is the detailed attention devoted to the latest research findings and to their impact on contemporary evidence-based clinical guidelines and modern clinical practice. On this basis, simple treatment protocols are proposed that take the anatomy of the root canals fully into account. In addition, emerging problems and trends are considered. The book will be an excellent resource for clinicians and advanced practitioners who are seeking to update their practice. This book reviews the available information on bacterial disinfection in endodontics, with emphasis on the chemical treatment of root canals based on current understanding of the process of irrigation. It describes recent advances in knowledge of the chemistry associated with irrigants and delivery systems, which is of vital importance given that chemical intervention is now considered one of the most important measures in eliminating planktonic microbes and biofilms from the infected tooth. Recommendations are made regarding concentrations, exposure times and optimal sequences. Possible complications related to the use of the different solutions are highlighted, with guidance on response. In addition, clinical protocols are suggested on the basis of both clinical experience and the results of past and ongoing research. Throughout, a practical, clinically oriented approach is adopted that will assist the practitioner in ensuring successful endodontic treatment. Rectum and Anal Canal 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. Successful endodontic treatment involves accurate diagnosis, good understanding of the biological principles and excellent execution of the treatment. To be able to execute an excellent treatment, it's imperative that the clinician has comprehensive knowledge of the root canal anatomy and the know-how to locate and treat this anatomy. Incomplete debridement and disinfection of root canal space as the most important factor in endodontic treatment failure. Missed canal in the initial treatment as a significant cause of root canal failure. This dissertation, "A Comparative Investigation of the Root Number and Canal Anatomy of Permanent Teeth in a Southern Chinese Population" by Richard Thomas, Walker, was obtained from The University of Hong Kong (Pokfulam, Hong Kong) and is being sold pursuant to Creative Commons: Attribution 3.0 Hong Kong License. The content of this dissertation has not been altered in any way. We have altered the formatting in order to facilitate the ease of printing and reading of the dissertation. All rights not granted by the above license are retained by the author. DOI: 10.5353/th_b3123101 Subjects: Teeth - Anatomy Teeth - Roots Dental pulp cavity The definitive endodontics reference, Cohen's Pathways of the Pulp is known for its comprehensive coverage of leading-edge information, materials, and techniques. It examines all aspects of endodontic care, from preparing the clinician and patient for endodontic treatment to the role the endodontist can play in the treatment of traumatic injuries and to the procedures used in the treatment of pediatric and older patients. Not only does Hargreaves and Cohen's 10th edition add five chapters on hot new topics, it also includes online access! As an Expert Consult title, Cohen's Pathways of the Pulp lets you search the entire contents of the book on your computer, and includes five online chapters not available in the printed text, plus videos, a searchable image collection, and more. For evidence-based endodontics research and treatment, this is your one-stop resource! This book presents the current state of research on the basic scientific aspects of root canal biofilm biology within a clinically applicable context. Root canal biofilms are complex polymicrobial structures adhering to the root canal surface that are formed by microorganisms invading the pulpal space of teeth, and are associated with persistent root canal infections. Concerted efforts to study root canal biofilms have been made in the past decade, resulting in the publication of observational and experimental studies that detail the morphology and biology of these structures in infected root canals. In addition to confirming that bacteria in root canals do not exist in free-floating planktonic states as previously assumed, this new information on root canal biofilm infections has provided an opportunity to re-evaluate conventional clinical protocols and improve endodontic therapeutic measures. Excerpt from The Anatomy of the Intestinal Canal and Peritoneum in Man The account of the intestinal canal and peritoneum in man that is here presented is derived from the systematic examination of one hundred fresh bodies. Through the kindness of my colleagues, Drs. Sutton and Turner, the pathologists to the London Hospital, I was enabled to open, before the performance of the usual necropsy, all the bodies of patients who had died of other than abdominal disease. The bodies, therefore were quite fresh, and, in many instances, still warm. I had long been convinced that a study of this part of anatomy was rendered liable to many fallacies when conducted in dissecting - room subjects in whom decomposition had advanced, and in whom one could expect, for various reasons, some displacement of parts. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works. This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant. This comprehensive resource presents all aspects of endodontics, both surgical and nonsurgical. The very latest materials and methods used in providing endodontic treatment are explained thoroughly and effectively -- and are highlighted visually through the generous use of illustrations, many in full-color. Key topics include diagnosis, access, working length determination, instrumentation, obturation, retreatment of failed nonsurgical cases, flap design, root-end resection, crypt management, root end filling, post and core techniques, and core placement.

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