

## Procedural Errors In Endodontics Aetiology Prevention

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Endodontics | Procedural Complications | NBDE Part II ~~ENDODONTIC PROCEDURAL MISHAPS AND TIPS FOR GENERAL DENTISTS | GPR lecture Series | NewDentist Coach~~

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Procedural Errors Part 1 ~~ENDODONTIC MISHAPS PART 1~~ What is Ledge in Endodontics?? Zipping and Apical Transportation in Endodontics? Problem solving in endodontic Live Root Canal Demonstration on tooth #18 by Dr. Brett E. Gilbert, Board Certified Endodontist Endodontics | Pulpal and Periapical Diagnoses | NBDE Part II Management of Severely Curved Root Canals Endodontics | Traumatic Injuries | NBDE Part II *Endodontic Management of Curved Canals - Part 1* **You'll Never Have a Root Canal After Watching This** ~~root canal treatment (part 1)~~ ROOT CANAL DAY - Painful? Scary? I'll let you know! Cleaning and shaping root canals using the iRace sequence Root Canal #15, Cyclic Fatigue, Canal Location and Canal Confluence, Dr William Nudera, Endodontist

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How to Get Down Super Curved Root Canals How to Remove a Separated Instrument Using Ultrasonics Root Canal Filling Procedure (5min.).wmv Live! Root Canal - How to the find MB2 Canal (Simple Tips) ~~ROOT CANAL TREATMENT OF CURVED CANAL WITH 2SHAPE~~ Root Canal Treatment | Clinical tips | Part 1 Root Canal Treatment Step by Step Root Canal Procedure - Top 5 Secrets

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Step by step procedure of BMP with rotary files in a molar tooth( in Hindi) Endodontics | Root Canal Treatment | NBDE Part II Root Canal Treatment Endodontics | Surgical Treatment | NBDE Part II **Important Topics In Endodontics** ~~Procedural Errors In Endodontics Aetiology~~

Aetiology: A- Iatrogenic: 1- Misaligned use of burs during access preparation and search for canal orifices 2- During efforts to negotiate calcified and curved canals 3- Overzealous instrumentation towards a root concavity (Strip perforation) 4- Inappropriate post space preparation B- Pathological: 1-

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Caries 2- Root resorption

~~Procedural errors in endodontics; aetiology, prevention ...~~

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Procedural errors in endodontics; aetiology, prevention ... Procedural Errors In Endodontics Aetiology Prevention by the notion that procedural errors, such as broken instruments, perforations, overfilling, underfilling, ledges and so on are the direct cause of endodontic failure. In most cases, procedural errors do not jeopardize the outcome of endodontic Procedural Errors In Endodontics Aetiology Prevention

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Procedural errors in endodontics; aetiology, prevention ... The clinician is often misled by the notion that procedural errors, such as broken instruments, perforations, overfilling, underfilling, ledges and so on are the direct cause of endodontic failure.

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PDF Procedural Errors In Endodontics Aetiology Prevention Science, Ltd Aetiology of root canal ... Yousuf, et al., (2015) studied endodontic procedural errors and showed that the most frequently treated tooth was right permanent mandibular first molar. Procedural Errors In Endodontics Aetiology Prevention Endodontic mishaps : Constitute the procedure related Page 6/26

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Procedural Errors In Endodontics Aetiology Procedural Errors In Endodontics Aetiology Prevention by the notion that procedural errors, such as broken instruments, perforations, overfilling, underfilling, ledges and so on are the direct cause of endodontic failure. In most cases, procedural errors do not jeopardize

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the outcome of endodontic Procedural Errors In Endodontics Aetiology Prevention Aetiology:

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Teeth in each group were evaluated for presence or absence of procedural errors (i.e., overfill, underfill, ledge formation, perforations, apical transportation, and/or instrument separation) and the most frequent tooth to undergo endodontic treatment was also noted. Results. A total of 1748 root canal treated teeth were assessed, out of which ...

## ~~Endodontic Procedural Errors: Frequency, Type of Error ...~~

The clinician is often misled by the notion that procedural errors, such as broken instruments, perforations, overfilling, underfilling, ledges and so on are the direct cause of endodontic failure. In most cases, procedural errors do not jeopardize the outcome of endodontic treatment unless a concomitant infection is present. In truth, a procedural accident often impedes or makes it impossible to accomplish appropriate intracanal procedures.

## ~~Aetiology of root canal treatment failure: why well ...~~

CLEANING AND SHAPING Most common procedural errors during cleaning and shaping are • Ledge formation • Artificial canal creation • Root perforation • Instrument separation • Extrusion of the irrigating solution periapically

## ~~Endodontic Mishaps — SlideShare~~

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Endodontic mishaps or procedural accidents are those unfortunate occurrences that happen during treatment, some owing to inattention to detail, others totally unpredictable. 1 Procedural errors accounted for 66% of cases treated, considering 34% were error free. Of all the procedural mishaps, gouging

## ~~Makkar S et al. Access related endodontic procedural ac...~~

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preparation errors such as perforations, canal transportations, instrument fractures or unnecessary removal of tooth structure. The introduction of nickel-titanium (NiTi) instruments to endodontics almost two decades ago (2) has resulted in dramatic improvements for successful canal preparation for generalists and specialists. Today there are

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Mozayeni et al (2006) reported that one of the reasons for endodontic failure is endodontic procedural errors (such as void, over filling, under filling, gouging, furcation perforations, missed canal, over perforation, strip perforation, ledge, zipping, broken files, and apical perforation).

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, as well as video clips included on CD. 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. NEW CD included with the text brings procedures to life with video clips, and reinforces your knowledge with interactive chapter review questions.

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 is a complete guide to endodontics for dental students. Divided into 39 chapters, the book covers numerous procedures and case studies and the text is further enhanced by more than 1500 clinical photographs, diagrams and tables. The fourth edition has been fully revised, and new topics added, to provide students with the latest information and advances in the field. Key points and clinical tips are highlighted for each topic and questions are included at the end of each chapter to assist exam preparation. Key points Complete guide to endodontics for dental students Fully revised, new edition providing latest advances in the field Includes more than 1500 clinical photographs, diagrams and tables Previous edition (9789350909522) published in 2013

This 4th edition is an essential scientific & clinical building block for understanding the etiology &

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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.

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 invo

This book serves as a clinical guide to help the practitioner improve endodontic treatment outcomes. It focuses on the various factors affecting the prognosis of endodontic treatments and on their impact on short-term and long-term results. The text incorporates up-to-date knowledge, techniques and treatment protocols. Each chapter has been carefully chosen to address either foundational knowledge or a select aspect of endodontic treatment. The authors analyze the knowledge accumulated from a large number of outcome studies and provide the reader with a critical appraisal indicating the strengths and weaknesses of those studies. This information is then used to make recommendations on how to predict the outcome of the intended treatment. The authors emphasize that the endodontic prognosis is a multifactorial phenomenon, underscoring how various factors, singularly and in combination, influence the treatment outcome. Readers are provided with tools to successfully assess the prognosis of the proposed treatment at the outset and to execute the planned treatment focused on optimal outcome.

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.

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

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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.

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.

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

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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.

Find the latest evidence-based research and clinical treatments! Cohen's Pathways of the Pulp, 11th Edition covers the science, theory, and practice of endodontics with chapters written by internationally renowned experts. Full-color illustrations and detailed radiographs guide you through each step of endodontic care - from diagnosis and treatment planning to proven techniques for managing pulpal and periapical diseases. New to the print edition are seven new chapters, and the eBook version adds three more. As an Expert Consult title, Cohen's Pathways of the Pulp lets you search the entire contents of the book on your desktop or mobile device, and includes videos, case studies, and more. Edited by noted specialists Kenneth Hargreaves and Louis Berman, this book is the definitive resource in endodontics! Print version of the text includes 27 comprehensive chapters and meets the CODA requirements for endodontic dental education. eBook version of the text consists of 30 searchable chapters, including the 27 chapters in the print version, and features videos, PowerPoint® slides, review questions, case studies, and more; this expanded version makes it easy to find clinical answers quickly, and meets the needs of students, clinicians, and residents in endodontics. Videos and animations demonstrate key procedures such as palpation of the masseter muscle, introsseous anesthesia with the X-tipT system, dentin hypersensitivity, indirect ultrasound, palpation of the temporomandibular joint, and ultrasonic settling. Over 2,000 illustrations include full-color photos and line art, along with a wide range of radiographs, clearly demonstrating core concepts and reinforcing the essential principles and techniques of endodontics. NEW co-editor Dr. Louis H. Berman joins lead editor Dr. Kenneth M. Hargreaves for this edition, and a respected team of contributors includes experts from many U.S.-based dental education programs, as well as programs in Canada, the U.K., Norway, Sweden, France, Germany, Italy, and Switzerland. NEW chapter organization reflects the chronology of endodontic treatment with three comprehensive sections: Clinical Endodontics, focusing on core clinical concepts, and Biological Basis of Endodontics and Endodontics in Clinical Practice, both with information that advanced students, endodontic residents, and clinicians need to know. NEW! Three chapters are available in the eBook: Understanding and Managing the Anxious Patient, Endodontic Records and Legal



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Responsibilities, and Endodontic Practice Management. NEW Radiographic Interpretation chapter clarifies the diagnostic process with coverage of imaging modalities, diagnostic tasks, three-dimensional imaging, cone beam computed tomography, intra- or post-operative assessment of endodontic treatment complications, and more. NEW Pain Control chapter addresses the management of acute endodontic pain with coverage of local anesthesia for restorative dentistry and endodontics, along with nonnarcotic analgesics and therapeutic recommendations. NEW Evaluation of Outcomes chapter helps you achieve optimal treatment outcomes with information on topics such as the reasons for evaluating outcomes, outcome measurements for endodontic treatment, and the outcomes of vital pulp therapy procedures, non-surgical root canal treatment, non-surgical retreatment, and surgical retreatment. NEW Root Resorption chapter covers the early detection, diagnosis, and histological features of root resorption, as well as external inflammatory resorption, external cervical resorption, and internal resorption. NEW Iatrogenic Endodontics chapter addresses failed treatment scenarios with key information on the event itself, the etiology, soft and hard tissue implications and symptoms, and treatment options and prognosis; the events include cervico-facial subcutaneous emphysema, sodium hypochlorite accidents, perforations (non-surgical), inferior alveolar nerve injury, surgical, sinus perforation, instrument separation, apical extrusion of obturation materials, and ledge formation. NEW Vital Pulp Therapy chapter provides an overview of new treatment concepts for the preservation of the pulpally involved permanent tooth, covering topics such as the living pulp, pulpal response to caries, procedures for generating reparative dentin, indications and materials for vital pulp therapy, MTA applications, and treatment recommendations. NEW Bleaching chapter addresses procedures that can be utilized during and following endodontic treatment to eliminate or reduce any discoloration issues, reviewing internal and external bleaching procedures and their impact on pulpal health/endodontic treatment - with presentations of cases and clinical protocols.

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