rationale for the materials used in each technique and their individual merits and disadvantages are examined in detail. In the case of pulpotomy, all the materials used since the introduction of this treatment modality are discussed (e.g., formocresol, glutaraldehyde, ferric sulfate, and MTA) and the roles of sodium hypochlorite, electrofulguration, and laser therapy are elucidated. Special attention is devoted to pulpotomy and root canal treatment, with consideration of debriding and obturation techniques, rinsing solutions, and root-filling pastes. A further individual chapter is dedicated to restorations of teeth treated with the different types of pulp therapy. The various conservative treatment modalities are also presented, including specific treatments for immature nonvital permanent teeth. The concluding chapter looks to the future and the potential value of stem cells in pulp therapy.

Currently there is no reason, in most cases of cavitated caries lesions, to remove affected tissue. This book presents evidence-based research on the topic and provides assessments of diagnostic devices. It offers new insights into how a dentine carious cavity can be managed by either tissue removal or restoration. Methods for preserving dental tissue are presented and ample evidence highlights the need to seal with a quality restorative material. An update on how to conduct a randomized clinical trial is followed by a chapter on agreed upon terminology for supporting improved communication among oral health professionals around the world. This is a must-read for general practitioners, restorative specialists, dental students, and oral hygienists/therapists.

This book presents a step by step guide to the reader to reach the required level of excellence for the treatment of primary teeth with minimal invasive approach. This book is indeed a comprehensive, well structured review of painless dentistry. The authors meticulous approach towards desired knowledge makes the text an excellent bet for readers. It provides readers with current updates and recent references to help learn the subject at the highest level. Well-laid out and student friendly text book with new concepts, compilation and updating in a comprehensive manner. The minimal intervention technique for pediatric patients has been illustrated with step by step procedure using the latest chemomechanical caries removal agent Papacarie. The material and technique has been clinically evaluated and compared with the conventional method with the support of at least 90 references.

Provide superior oral and dental care to children of all ages! Pediatric Dentistry: Infancy through Adolescence, 6th Edition provides comprehensive coverage of oral care for infants, children, teenagers, and medically compromised pediatric patients. Organized by age group, the text covers examination, diagnosis, and treatment planning, as well as topics such as the prevention of dental disease, traumatic injuries, orthodontics, and restorative dentistry. UNIQUE! Age-specific organization separates sections and chapters by age group to cover specific changes the child experiences physically, cognitively, emotionally, and socially. Fundamentals of Pediatric Dentistry section covers basic information on children of all ages, including topics such as local and systemic diseases, pediatric physiology, cariology, pain control, and medical emergencies. Coverage of current trends and challenges emphasizes the prevention of dental diseases and reflects pediatric dentistry as it is practiced today. UPDATED coverage of caries risk assessment in children reflects the evolution of evidence-based oral health care. More than 1,000 full-color photos and illustrations show dental conditions and treatments. NEW chapters cover cariology, pain control, and cleft lip and palate; other updates include infant oral health, pit and fissure sealants, regenerative endodontics, and the risk factors surrounding the transition from adolescence to adulthood. NEW! Greater diversity of contributors includes expert perspectives from all over the world.

This book provides information to the readers starting with the history of oral hygiene manners, and modern oral hygiene practices. It continues with the prevalence and etiology of caries and remedy of caries through natural sources. Etiology of secondary caries in prosthetic restorations and the relationship between orthodontic treatment and caries is addressed. An update of early childhood caries is presented. The use of visual-tactile method, radiography and fluorescence in caries detection is given. The book finishes with methods used for the prevention of white spot lesions and management of caries.

This book describes the challenges that deep carious lesions pose for dental practitioners, including the risk of endodontic complications and the difficulty of restorative treatment, and identifies options for overcoming these challenges on the basis of the best available evidence. The opening chapter sets the scene by discussing pathophysiology, histopathology, clinical symptomatology, and treatment thresholds. The various treatment options are then systematically presented and reviewed, covering non-selective, stepwise, and selective carious tissue removal and restoration, sealing of lesions using resin sealants or crowns, and non-restorative management approaches. In each case the current evidence with respect to the treatment is carefully evaluated. Advantages and disadvantages are explained and recommendations made on when to use the treatment in question. Illustrative clinical cases and treatment pathways for clinicians are included. This book will be of value for all practitioners who treat dental caries and carious lesions, whether in the permanent or the primary dentition. It will also be of interest to under- and postgraduate students in cariology and restorative, operative, preventive, and pediatric dentistry.

Provide superior oral and dental care to children of all ages! Pediatric Dentistry: Infancy through Adolescence 6th Edition—South Asia Edition provides comprehensive coverage of oral care for infants, children, teenagers, and medically compromised pediatric patients. Organized by age group, the text covers examination, diagnosis, and treatment planning, as well as topics such as the prevention of dental disease, traumatic injuries, orthodontics, and restorative dentistry. UNIQUE! Age-specific organization separates sections and chapters by age group to cover specific changes the child experiences physically, cognitively, emotionally, and socially. Fundamentals of Pediatric Dentistry section covers basic information on children of all ages, including topics such as local and systemic diseases, pediatric physiology, cariology, pain control, and medical emergencies. Coverage of current trends and challenges emphasizes the prevention of dental diseases and reflects pediatric dentistry as it is practiced today. UPDATED coverage of caries risk assessment in children reflects the evolution of evidence-based oral health care. More than 1,000 full-color photos and illustrations show dental conditions and treatments.

This book provides wide-ranging information on current clinical and scientific knowledge on the various aspects of fissure sealing. Trends in the epidemiology of caries are first examined, followed by thorough description of the morphology of pits and fissures and types of sealant. The role of sealants in the prevention of caries is discussed. Diagnostic parameters are presented, along with step-by-step descriptions of clinical procedures for fissure sealing. Chapters are also included on alternative techniques of fissure sealing, sealing of carious fissures, and therapeutic fissure sealing. The final chapter in the book focuses on the cost effectiveness of the procedure. Tooth surfaces with pits and fissures are particularly vulnerable to caries.
development. Sealants were developed to help manage these sites of the tooth and safeguard the surfaces from decay. This book has been written by acknowledged experts in the field. It will be of value for all dental professionals seeking to deepen their understanding of current knowledge on the science and the clinical application of pit and fissure sealants. This book describes and discusses the different restorative options for managing carious lesions in children with primary and mixed dentition. The aim is to provide practitioners with thorough, up-to-date information that will improve their clinical practice. The opening chapters present a comprehensive overview regarding diagnosis of carious lesions, risk assessment, child behavior and development, and behavioral management. The importance of oral health promotion and prevention in controlling lesion progression and maintaining oral health is reviewed. The impact of various factors on clinician decision making is then explained in detail, examples including the type of dentition (primary versus permanent), the clinical and radiographic aspect of the dentine carious lesion (noncavitated or cavitated), and whether the lesion is associated with a developmental defect. Guidance is provided on selection of nonoperative versus operative interventions, and the restorative materials most frequently used in pediatric dentistry are fully described, highlighting their advantages and disadvantages. Readers will also find an informative series of cases, with explanation of the choices in terms of materials and approach. Because of increasing antibiotic resistance, stronger antibiotics are reserved for serious active infection, paving the way for a greater use of herbal antibiotics. This book helps dentists in implementing safe and effective natural medicine therapies to complement the current practice guidelines. Oral diseases continue to be a major health problem world-wide. Oral health is integral to general well-being and relates to the quality-of-life that extends beyond the functions of the craniofacial complex. The standard Western medicine has had only limited success in the prevention of periodontal disease and in the treatment of a variety of oral diseases. The dentist needs to be more informed regarding the use, safety and effectiveness of the various traditional medicines and over-the-counter products. Herbal extracts have been used in dentistry for reducing inflammation, as antimicrobial plaque agents, for preventing release of histamine and as antiseptics, antioxidants, antimicrobials, antifungals, antibacterials, antivirals and analgesics. They also aid in healing and are effective in controlling microbial plaque in gingivitis and periodontis and thereby improving immunity. The 26 chapters in this unique book explore all the measures to utilize the natural oral care obtained from plants, animals and mineral drugs for dental care.

Dental Caries is a major new work on a subject of vital concern to all dentists. It builds on the work of two former books, Textbook of Clinical Cariology and Fluoride in Dentistry, to present a definitive resource on caries prevention and treatment. The management of dental caries is central to daily work in dental offices because caries is ubiquitous in all populations, lesion development continues lifelong and caries is the most common cause of tooth loss around the world. The book's logical structure consists of four parts, covering: The Disease; Diagnosis: Prevention, Non-Operative and Operative Treatment and Prognosis. It provides a clear understanding of the disease process, be it an individual or population level. The Editors are joined by 28 expert authors who have contributed a wealth of chapters, ranging from the role of fluorides to restoring the tooth. Careful balance between prophylaxis and surgical intervention guides the reader through the maze of treatment decisions, while the breadth of the book reflects diverse, and sometimes controversial, opinion on dental caries.

To compare the efficacy of caries removal, time taken and to evaluate the pain threshold experienced by the patient during various caries removal methods. Eighty patients between the age groups of 5-9 years were selected and caries removal was done by Hand instruments, Airotor, Carisolv and Papacarie. The efficacy, time taken and the pain threshold was evaluated during the caries removal by Ericson D et al scale, visual analogue scale respectively. Highly significant relation (This book provides information about the recent developments in minimal tissue intervention methods, including the use of fluoride, ozone, and mild chemical treatments. In particular, the safety and efficacy of a novel chemomechanical agent, Carisolv, is described.

This new edition is a complete guide to paediatric dentistry for undergraduate and postgraduate dental students. Divided into nineteen sections, the book begins with an introduction to the specialty, oral examination, teeth identification and numbering, imaging, and growth and development of a child’s face, mouth and teeth. The next chapters discuss diet and nutrition, plaque control and fluorides, and dental caries. Dental subspecialties including endodontics, orthodontics, restorative dentistry, periodontics, and surgery, each have their own dedicated sections. The concluding chapters cover oral pathology, forensics, lasers, dental advances, and research. The fourth edition has been fully revised to provide the latest information in the field and features many new topics including zirconia crowns, revascularisation and pulp regeneration, silver diamine fluoride, general anaesthesia, and presurgical nasoalveolar moulding in the management of cleft lip and palate. Key points Complete guide to paediatric dentistry for dental students Fully revised fourth edition with many new topics Highly illustrated with more than 1000 clinical photographs, diagrams and tables Previous edition (9789351522324) published in 2014 Emerging Trends in Oral Health Sciences and Dentistry is the second book on Oral Health Science. The first book is Oral Health Care-Pediatric, Research, Epidemiology and clinical Practices and Oral Health Care-Prosthodontics, Periodontology, Biology, Research and systemic Conditions published in February 2012. The present book is a reflection of the progress in Oral Health Sciences, practices and dentistry indicating the direction in which this stream of knowledge and education is likely to head forward. The book covers areas of General Dentistry, Paediatric and Preventive Dentistry, Geriatric and Prosthodontics, Orthodontics, Periodontology, Conservative Dentistry and Radiology and Oral Medicine. Pediatric Dentistry: A Clinical Approach, Third Edition provides a uniquely clear, comprehensive, and clinical approach to the dental treatment of children and adolescents. Offers systematic coverage of all clinical, scientific and social topics relating to pediatric dentistry Thoroughly revised and updated new edition, with an increased focus on evidence based care Includes three new chapters on genetics, child abuse and neglected children, and ethics Pedodontic endodontics is now covered by two chapters — one on primary teeth and one on young permanent teeth Features a companion website with interactive self-assessment questions This clinical guide, featuring a wealth of high-quality photographs, will help pediatric dentists, pediatric dentistry residents and general dental practitioners treating children, acquire a clear understanding of contemporary treatment protocols for primary and young permanent teeth while serving as a guide to integrate these procedures into their private or institutional practice. The background to the book is the emergence in recent years of important paradigm shifts in treatment concepts. It is now recognized that clinicians must distinguish between "caries
management” and “carious lesion management” when treating children. Moreover, regenerative endodontic procedures have changed the way in which the immature permanent tooth is treated. The authors present the full range of current treatment techniques step-by-step, with all the necessary detailed photographic documentation and succinct supporting text. It will be an asset for dentists worldwide.

This book is a practical, comprehensive guide to the management of children and adolescents in general dental practice. A logical, evidence-based approach to oral health is adopted throughout. The commonly encountered oral and dental problems and their diagnosis and treatment are covered in detail, with particular attention to dental caries, dental trauma, developmental anomalies, periodontal problems, and soft tissue conditions. Up-to-date guidance is provided on history taking, dental examination, preventive strategies and advanced behaviour management. In addition the relevance of common medical conditions to dental management is discussed. The book is divided into four sections, each of which focusses on a specific age group, helping the reader to relate clinical issues to the different dental developmental stages. The readily understandable text is supported by many informative colour illustrations and diagrams.

Covers basics of endodontic treatment like what are the indications of endodontic treatment, basic instruments, access preparation, biomechanical preparation and obturation of root canal system. Contains Teeth Chart along with the morphology of teeth and differentiate one tooth from another. Chapters dealing widely in introduction, description of teeth, instruments, nomenclature, tooth preparation, filling materials including endodontics.

The new edition of this internationally recognised text offers comprehensive guidance on the successful management of the child in the dental setting. Prepared by authors of international renown, the Handbook of Paediatric Dentistry presents a volume that takes the reader far beyond the technical skills that are needed to treat disorders of the childhood dentition and instead delivers a whole philosophy of integrative patient care. Richly illustrated and in full colour throughout, the Handbook of Paediatric Dentistry is written in a friendly ‘how to’ manner and contains useful ‘pull out’ boxes to act as useful aide-mémoires. Exploring a variety of topics, the book includes discussion of child development, practical communication skills and advice on how to deal with behavioural problems. Clinical topics include the management of caries, fluoridation, restorative dentistry, pulp therapy, trauma management, oral medicine and pathology, dental anomalies, and the treatment of medically compromised children. Chapters also explore the use of orthodontics, the management of cleft lip and palate and speech, language and swallowing.

The Handbook of Paediatric Dentistry has become an essential chairside and bedside companion for all practitioners caring for children and is suitable for undergraduate dental students, general dental practitioners, specialist paediatric dentists, orthodontists and paediatricians. Established as the foremost available comprehensive handbook on paediatric dentistry Prepared in an ‘easy-to-digest’ fashion – which allows for quick reference and easy reading Contains over 550 full colour line artworks, photographs and tables together with ‘Clinical Hints’ boxes to act as useful aide-mémoires Sets out the essentials for managing conditions such as clefting disorders, haematological and endocrine disorders, congenital cardiac disease, disorders of metabolism, organ transplantation and cancer in children as well as more familiar presentations such as dental trauma, oral infections and caries Detailed appendices provide the reader with information that is often difficult to find and which may be overlooked Designed specifically to give all practitioners confidence when managing children Convenient handbook size ensures that the book can be easily referred to in the clinical setting Endorsed by the Australasian Academy of Paediatric Dentistry ~ Improved layout and completely new colour illustrations Expanded section on sedation and use of nitrous oxide Includes details from the most recent international guidelines Cases expanded to show 20 year follow-up Includes the latest research findings in orthodontics Fully updated section on clefting problems

Five centuries of fear and loathing, pain and relief, make for fascinating, enlightening reading in a profusely illustrated, international history of dental theory and practice. Teeth are important to children, particularly primary teeth. What can be done in the dental surgery to prevent disease? Moreover, the anatomy of primary teeth results in pulp change faster. Fortunately, restorative techniques are simpler. This book unravels the modern theories of cariology and provides simple step-by-step guides to restoration.

The International Caries Detection and Assessment System (ICDAS) offers clinical criteria and codes, together with a framework to support and enable personalized comprehensive caries management for improved long-term health outcome. Based on the ICDAS, this publication provides an up-to-date synthesis of the fields of detection, assessment, diagnosis and monitoring of caries. The available evidence is reviewed, and a summary is given of the current international views on best practice of how the information collected can be collated and synthesized to inform the planning, delivery and clinical evaluation of patient-centred, comprehensive caries management. The book includes a unique glossary of key terms developed with a number of international groups and establishes new links between cariology in clinical practice, caries research, dental education and epidemiology, and dental public health. The book presents valuable information for practitioners and other dental health professionals with an interest in show to 2016 12 Footnotes follow up-1 Includes the latest research findings in orthodontics Fully updated section on clefting problems

The Second Edition of the Handbook of Clinical Techniques in Pediatric Dentistry features updated and expanded information on pediatric clinical dentistry, including eight new chapters written by educators with special interest in each topic. Since publication of the first edition, non-invasive treatment is at the forefront of pediatric dental care, and the new edition reflects this, with multiple options and techniques for non-invasive treatment. The book is filled with photographs for improved understanding and guidance through the procedures described. The book is an easy-to-read guide to clinical pediatric dentistry with practical evidence-based information for dental students, assistants, hygienists, residents in both general dentistry and specialty training, and general and pediatric dentists. Handbook of Clinical Techniques in Pediatric Dentistry is a valuable resource for assuring excellence in care for our youngest patients. Key Features Presents step-by-step clinical instruction for pediatric procedures Features eight new chapters, including non-invasive clinical techniques, trauma to primary incisors, caries-risk assessment, oral pathology, interceptive orthodontics, esthetics, sleep disordered breathing, infant examination, and treating the special needs patient Offers more than 600 clinical and radiographic photographs Provides practical information and guidance for clinical practice in pediatrics

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