

# The Prevention And Management Of Dental Caries In Children Dental Clinical Guidance

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**McDonald and Avery's Dentistry for the Child and Adolescent - E-Book** Jeffrey A. Dean

2015-08-10 You can count on McDonald: the go-to source for expert, complete coverage of oral care for infants, children, and teenagers for over

half a century. McDonald and Avery's Dentistry for the Child and Adolescent, 10th Edition discusses pediatric examination, development, morphology, eruption of the teeth, and dental caries in depth — and emphasizes prevention and the treatment of the medically compromised patient. Boasting a new design and handy Evolve site, this new edition by Jeffrey A. Dean equips you with the latest diagnostic and treatment recommendations in the fast-growing field of pediatric dentistry. Complete, one-source coverage includes the best patient outcomes for all of the major pediatric treatments in prosthodontics, restorative dentistry, trauma management, occlusion, gingivitis and periodontal disease, and facial esthetics. A clinical focus includes topics such as radiographic techniques, dental materials, pit and fissure sealants, and management of cleft lip and palate. Practical discussions include practice management and how to deal with child abuse and neglect. Evolve site provides you with the

best learning tools and resources. UPDATED! More emphasis on preventative care and treatment of medically compromised patients helps you provide more effective care. NEW! Easier-to-follow design.

### **Tooth Erosion Prevention and Treatment**

Kevin HK Yip 2009-10-01

Promoting Oral Health in Early Childhood: The Role of the Family, Community and Health System in Developing Strategies for Prevention and Management of ECC Rahul Siram Naidu 2021-09-28

### **Root Caries: From Prevalence to Therapy** M.

Rocha de Olivera Carrilho 2017-10-19 Case reports and clinical trials conducted in various countries show, more and more frequently, a positive correlation between the presence of original teeth and prevalence of root caries in older age. Because this is a global trend, it is likely that the predicted increase in the worldwide elderly population may soon cause a significant increase in the number of people

requiring effective means of preventing and treating root surface caries. In response to this development, a team of outstanding contributors has reviewed the most important aspects of root caries. This new volume presents their findings along with discussions of how to deal with this health issue that progressively affects the oral health balance. The chapters in this book are divided in four core parts: Epidemiology, Biological Determinants, Lesion Assessment and Features and Preventive and Operative Therapies. The collection of state-of-the-art articles provides a broad overview and will serve as a reference for clinicians as well as scientists and, hopefully, will encourage new research.

**Understanding Dental Caries** Michel Goldberg  
2016-06-16 This book thoroughly explains the biological background of dental caries and the formation of carious lesions, providing the reader with a sound basis for understanding the role and effectiveness of different therapeutic and preventive measures. Detailed information is

presented on pathogenesis, ultrastructure, and diagnosis. All aspects of the carious process are covered, including development of the initial carious lesion limited to the enamel, evolution of the enamel carious lesion toward a dentin carious lesion, superficial and deep dentin lesions, and cervical erosions. Strategies for prevention and dental tissue regeneration are elaborated and both conventional therapies and minimally invasive and non-invasive treatment approaches are discussed. A separate section is devoted to dental fluorosis and the use of fluoridation and remineralisation agents. This scientifically focused and clinically relevant book, written by acknowledged experts in the field, will appeal to dentists seeking to extend their knowledge as well as to researchers, dental students, and other dental professionals.

Essentials of Dental Caries Edwina Kidd  
2016-06-16 Dental caries (tooth decay) is one of the most highly prevalent diseases around the world affecting a significant proportion of the

population. Dental caries may take place on any tooth surface in the oral cavity where dental plaque is allowed to develop over a period of time. Understanding its causes and progression allows the dental team to help the patient control and manage it so that patients can maintain healthy teeth for life. The fourth edition of *Essentials of Dental Caries* provides readers with an up-to-date, clinically relevant guide to dental caries. Written in an accessible style, the authors explain the biological and socioeconomic background of lesion development and progress. Current methods of clinical diagnosis and evidence based management are outlined in clearly laid out and highly illustrated chapters. This book is essential reading for students and practitioners of dentistry, dental therapy, dental hygiene, and oral health educators.

*Oxford Textbook of Global Public Health* Roger Detels 2017 Sixth edition of the hugely successful, internationally recognised textbook on global public health and epidemiology

comprehensively covering the scope, methods, and practice of the discipline.

*Prevention and Management of Dental Caries in Children* 2018

Human Teeth 2020-01-22 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.

### **Detection and Assessment of Dental Caries**

Andrea Ferreira Zandona 2019-11-06 This book explains how to optimize clinical conditions for detection of the earliest visible signs of dental caries and how best to assess caries activity as a

basis for effective management. The available evidence from the literature on detection criteria and methods is distilled and placed in a clinical context to facilitate implementation in clinical practice. Guidance is offered on removal of the dental biofilm and the potential impact of various factors on the performance of different caries detection devices. The histological changes that occur during the caries process and their effect on the clinical appearance of caries lesions are explained. In addition, several caries classification systems based on visual detection criteria and designed to allow staging are presented. Consideration is also given to currently marketed detection aids, including methods involving light fluorescence, transillumination, and radiography. In each case, a summary of the detection performance, based on available supporting evidence, is tabulated together with advice on appropriate clinical application. The reader will find the text to be clearly written and informative, with many

supporting clinical images.

Detection, Assessment, Diagnosis and Monitoring of Caries Nigel Pitts 2009-01-01 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 dental caries and its modern, evidence-based, clinical management as well as for all involved in the domains of dental public health, caries research or education.

Early Childhood Oral Health Joel H. Berg  
2015-10-26 Dental caries has been called a “silent epidemic” and is the most prevalent chronic disease affecting children. Though much has been written on the science and practice of managing this disease, publications are diverse in their loci, preventing easy access to the reader. Early Childhood Oral Health coalesces all the important information related to this topic in a comprehensive reference for students, academics, and practitioners. This second edition expands the scope of the first and puts an additional focus on interprofessional and global efforts that are necessary to manage the growing disease crisis and screening and risk assessment

efforts that have expanded with the boom of new technologies. With updated references and incorporating the latest research, chapters address the biology and epidemiology of caries, the clinical management of early childhood caries, risk assessment, and early diagnosis. Other topics include public health approaches to managing caries worldwide, implementation of new caries prevention programs, fluoride regimens, and community programs, and family oral health education. Brand new are four chapters on the medical management of early childhood caries, considerations for children with special needs, interprofessional education and practice, and how the newest policy issues and the Affordable Care Act affect dental care. A must-read for pediatric dentists, cariologists, public health dentists, and students in these fields, Early Childhood Oral Health is also relevant for pediatricians and pediatric nursing specialists worldwide. Key Features: Coalesces information on early childhood oral health into

one accessible source Detailed discussion of early childhood caries Full discussion of other factors affecting pediatric oral health Fuses impressive scholarship with clinical pragmatism Explains how the Affordable Care Act and other policy issues impact children's oral healthcare Second edition fully updated and includes four new chapters

Interface Oral Health Science 2016 Keiichi Sasaki 2016-12-08 This book is open access under a CC BY 4.0 license. This volume broadens understanding of dentistry and promotes interdisciplinary research across a wide range of related fields, based on the symposium entitled "Innovative Research for Biosis–Abiosis Intelligent Interface 2016". It aims to create highly functional and autonomic intelligent interface by combining highly functional interface science with the technology of an evaluation and a control at the interface, with the various topics of biomaterials, innovation for oral science and application, regenerative oral science, and

medical engineering. Since 2002, the Tohoku University Graduate School of Dentistry has hosted "Interface Oral Health Science" several times as the main theme of dental research in the twenty-first century, and this is the sixth proceedings of the symposiums following the ones in 2005, 2007, 2009, 2011, and 2014. This book benefits not only dental scientists but also other health scientists including medical physicians and pharmacologists, material scientists, engineers, and any scientist who is involved in variety of disciplines.

### **Diagnosis and Management of Oral Lesions and Conditions** Cesare Migliorati 2014-02-19

This handbook has the goal of providing a short and objective approach to the diagnosis and management of common oral lesions and conditions likely to be encountered in the daily practice of dentistry by the general practitioner. Each of the lesions/conditions will be grouped based on their nature, inflammatory or infectious, benign or malignant, variants of normal, bony

lesions, etc. The individual lesion/condition will be described based on common clinical signs and symptoms, differential diagnosis, best approach for diagnostic confirmation, and brief management strategy. One of the chapters is dedicated to oral hygiene and oral health maintenance recommendations. Diagnosis and Management of Oral Lesions and Conditions: A Resource Handbook for the Clinician has been produced and distributed through an educational grant from the Colgate-Palmolive Company. *Handbook of Pediatric Dentistry E-Book* Angus C. Cameron 2013-07-10 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

*Caries Management - Science and Clinical Practice* Hendrik Meyer-Lueckel 2013-03-20 Covering the science behind the disease a comprehensive approach to modern caries management This systematic approach to modern caries management combines new, evidence-based treatment techniques with the scientific underpinnings of caries formation providing an in-depth review for both clinicians in daily practice and students advancing in the field. Beginning with patho-anatomic changes in the dental hard tissues, *Dental Caries: Science and Clinical Practice* goes on to cover non-invasive, minimally invasive, and more aggressive interventions based on each stage of the disease. From microbiology and

histology to visual, tactile and radiographic diagnosis, risk assessment, preventive measures, and tooth preservation and treatment strategies, the book is packed with valuable clinical information for all dental practitioners. Key Features: Succinctly covers the science behind the disease, with recommendations for treatments based on assessment starting at the microscopic level Written by a team of leading worldwide authorities on caries treatment and management and utilizing the International Caries Detection and Assessment System (ICDAS) standard throughout Covers the newest treatment techniques, including adhesion technology, fissure sealing and infiltration, caries removal, tooth-colored restorations, and more Demonstrates step-by-step caries procedures in striking, full-color illustrations of adult and pediatric cases Offers the newest thinking on early prevention and behavioral changes in oral health promotion, including the role of diet and nutrition, biofilm management, fluoride use,

population-based approaches, and more Shifting to the new paradigm of heal and seal rather than the more invasive drill and fill, this beautifully illustrated text puts scientific principles into clinical action for the best results. It is an essential resource for a complete, proactive approach to caries detection, assessment, treatment, management, and prevention in contemporary dental practice.

### **Diagnosis and Management of Dental Caries**

Martha Glock 2001

Diagnosis and Management of Dental Caries  
2001

*Dental Caries* Ole Fejerskov 2015-05-26 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 at 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.

*Innovations in Preventive Dentistry* Christian Splieth 2021-07-01 Prevention is better than healing ... or treatment. Thus, preventive dentistry is a cross-sectional challenge for all fields in dentistry, and one that has already achieved great success, as shown by the caries

decline in many countries. The walls between prevention and treatment have recently fallen in caries and periodontal disease, as well as in orthodontics, where guidance of function and space maintenance are a combination of prevention and treatment. This book discusses new developments and innovations in preventive dentistry, from primary "real" prevention to secondary prevention by inactivating initial lesions, and on to tertiary prevention to avoid subsequent progression and complications of manifest oral disease. This evidence base is then translated into clinical dental practice. The book addresses everyone interested or involved in dentistry, including students, the whole dental practice team, educators, health scientists, and policy makers, who want to gain insight into these up-to-date clinical practices and future developments. It intends to make an impact on teaching and all fields of clinical dentistry – not by giving cookbook recipes, but by pointing out the rationale behind the changes in our routines.

Presented by an international group of recognized specialists in their fields, the topics include the new understanding and management of caries and periodontal disease, prevention of orthodontic problems, diagnostic approaches, the role of diet and according recommendations for oral health, routes to better oral hygiene, changes in oral disease patterns and their consequences, non- and minimally invasive caries treatment, current fluoride guidelines including the use of silver fluorides, risk management, a common risk-factor approach, facilitating behavior changes, sealants, and probiotics. This broad spectrum is elucidated for the most relevant dental problems from early childhood to seniors to implement preventively oriented dental practice.

*Evidence-Based Caries Prevention* Ece Eden

2016-09-29 This book aims to define the etiological factors in dental caries and to guide the clinician towards methods of caries prevention that are evidence based. The

coverage includes discussion of the active role of the biofilm and the oral environment and emphasizes the multifactorial etiology of dental caries. The opening chapters describe the early detection and diagnosis of dental caries, highlight the value of caries risk assessment to the patient, and explain the dynamic process of the demineralization–remineralization cycle. Information is presented on the action of fluoride, and the evidence relating to the use and effectiveness of remineralization agents and biomimetic materials is reviewed. Additionally, the effects of antimicrobials such as chlorhexidine and ozone are summarized. Further chapters focus on dietary counseling (with information on sweeteners and probiotics), the effectiveness of sealants in caries prevention, and resin infiltration. The philosophy of prophylaxis and ways to improve patient compliance and achieve proper mechanical plaque removal are discussed. The book is concluded with a chapter discussing preventive

actions in representative cases.

**Comprehensive Preventive Dentistry** Hardy Limeback 2012-04-11 Comprehensive Preventive Dentistry provides one user-friendly resource that brings together information on the scientific basis and clinical practice of all aspects of preventive dentistry. This thorough and all-encompassing resource offers techniques and strategies for maintaining excellent oral health in patients through a regimen of preventive measures. Comprehensive Preventive Dentistry is grounded in a patient-centered, pre-emptive, and minimally invasive philosophy. The book begins by covering individual diseases, such as caries, periodontitis, and oral cancer, as well as therapies (sealants, fluoride) and other relevant conditions (toothwear, hypersensitivity). Additionally, concepts such as the role of diet and nutrition in oral health are discussed. Also covered are oral care products and new technological developments in caries diagnosis and risk assessment, periodontal disease and oral

cancer, as well as new developments in home care products. A valuable and comprehensive companion that will appeal to dentists and dental hygienists, this helpful new book provides its readers with one authoritative resource that offers a reliable and helpful companion to practicing preventive dentistry.

**Prevention and Management of Dental Caries in Children** Scottish Dental Clinical Effectiveness Programme 2010

**Essentials of Dental Caries: The Disease and Its Management, 3rd Ed.** Edwina Kidd 2005-05-05 The new edition of this popular, clinically relevant book provides the biological background required by dentistry students in order to take the science of cariology to the chairside in the management of patients.

**Paediatric Dentistry for the General Dental Practitioner** Sondos Albadri 2021-06-14 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.

#### Dental Erosion and Its Clinical Management

Bennett T. Amaechi 2015-09-28 This handbook distils the most up-to-date theory and practical information on dental erosion and dentin

hypersensitivity into an accessible and practical clinical guide for general dental practitioners, dental students, dental educators, and other health professionals. Topics are covered in a step-by-step, easy-to-understand manner, with tables, checklists, images, flowcharts, and bullet point-like presentation of core messages that is ideal for busy dental practitioners and students. Besides providing evidence-based guidance on treatment and prevention strategies, the book examines thoroughly the dental erosion process itself and the intrinsic and extrinsic causes. Chapters are also included on the etiology, prevalence, and management of dentin hypersensitivity, the restoration of worn dentin, and non-carious cervical lesions. The authors are renowned, clinically active international experts in different aspects of dental erosion and its management.

Dental Caries Ole Fejerskov 2009-03-16

*Dental Caries* 2018-09-19 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.

**Dental Caries** Zhou Xuedong 2015-10-20 This book is a well-illustrated and comprehensive guide to the etiology, clinical manifestations, diagnosis, clinical management and prevention of dental caries. Current challenging problems in the field are analyzed and the latest research findings, presented. After an introductory chapter on tooth development, the relationships of biofilm and saliva to dental caries and the significance of the balance between

demineralization and remineralization for the development of carious lesions are discussed. Subsequent chapters address the state of the art in diagnosis and treatment, the implications of disease burden for prevention and the association between systemic diseases and dental caries. **Dental Caries: Principles and Management** is intended for dental school students, practicing dentists and researchers in dentistry.

**Dental Caries** Efka Zabokova Bilbilova 2021-05-05 Dental caries are of vital concern to all dentists. Their management is central to daily work in dental offices because cavities are ubiquitous in all populations, lesion development is lifelong, and caries are the most common cause of tooth loss. This book provides information on the etiology, prevention, and treatment of tooth decay. Chapters cover such topics as dental biofilms, dietary factors, the association of *Candida* with early colonization of cariogenic microorganisms, oral diseases, the

use of fluoride, and dental caries in disabled children. The information presented herein is useful for dental students as well as researchers and dental practitioners.

**Prevention and Management of Dental Caries in Children** Scottish Dental Clinical Effectiveness Programme 2010

**Paediatric Dentistry** Richard Welbury 2012-08-16 Paediatric Dentistry, Fourth Edition successfully combines both the theoretical and practical aspects of paediatric dentistry for the child up to age 16, from all dental specialities and is illustrated throughout.

*Paediatric Dentistry at a Glance* Monty Duggal 2012-09-05 Paediatric Dentistry at a Glance is the new title in the highly popular at a Glance series. It provides a concise and accessible introduction and revision aid, comprehensively covering all the constituent sub-topics that comprise paediatric dentistry. Following the familiar, easy-to-use at a Glance format, each topic is presented as a double-page spread with

facts accompanied by clear diagrams and clinical photographs encapsulating essential knowledge. Structured over 7 sections, Paediatric Dentistry at a Glance covers: · Physical assessment and treatment planning · Prevention and management of dental caries · Traumatic Injuries · Management of children with special health care needs · Paediatric oral medicine and Pathology · Dental and oro-facial anomalies Paediatric Dentistry at a Glance draws together clinical and scientific elements to provide a comprehensive review of comprehensive oral health care for infants and children through adolescence. It is an ideal companion for all students of dentistry, junior clinicians and members of the dental team with an interest in paediatric dentistry.

**Current Concepts in Cariology** Douglas A. Young 2010 Get updated on the latest on caries management! Articles include defining dental caries, caries risk assessment and intervention, treatment protocols, detection and diagnosis of

caries lesions, non-invasive demineralized tissue repair, clinical threshold for carious tissue removal, assessment and management of dental erosion, and much more!

**Prevention in Clinical Oral Health Care** David P. Cappelli 2008 PART ONE: EPIDEMIOLOGY AND PREVENTION THEORY 1. Epidemiology/Biology of Dental Caries 2. Epidemiology/Biology of Periodontal Diseases 3. Epidemiology/Biology of Oral Cancer PART TWO: RISK-BASED PREVENTION 4. Dental Caries and Associated Risk Factors 5. Periodontal Disease and Associated Risk Factors 6. Oral Cancer and Associated Risk Factors 7. Synergism between Pharmacology and Oral Health PART THREE: ASSESSMENT STRATEGIES TO TAILOR YOUR PATIENT CARE PLAN 8. Nutritional Risk Assessment 9. Laboratory Testing 10. Integrating Risk and Health Promotion Counseling 11. Enhancing Patient Adherence to Preventive Programs 12. The Fearful and Phobic Patient 13. Cultural Competence and Risk Assessment PART FOUR: PREVENTION AND

PRACTICE 14. Disease Prevention/Health Promotion 15. Prevention Strategies for Dental Caries 16. Prevention Strategies for Periodontal Diseases 17. Prevention Strategies for Oral Cancer 18. Prevention Strategies for Oral Components of Systemic Conditions 19. Prevention Strategies for Special Populations 20. Integrating Preventive Strategies into Clinical Practice.

**Dental Caries - Diagnosis, Prevention and Management** Zühre Akarslan 2018 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.

### **Erosive Tooth Wear** A. Lussi 2014-06-24

Erosive tooth wear is a multifactorial condition of growing concern to the clinician and the subject of extensive research. Since the publication of the first edition of the book with the title Dental Erosion, new knowledge for a better understanding of this important subject has been gathered. The new and more detailed insights resulted in this second, extended publication. It presents a broad spectrum of views, from the molecular level to behavioural aspects, as well as trends in society. In particular, the issues concerning chemical and biological factors as well as dental erosion in children are covered more extensively in this second edition. The first chapters include topics such as the definition, diagnosis, interaction, epidemiology and histopathology of tooth wear. Further, the aetiology of dental erosion, including nutritional and patient-related factors, and dental erosion in

children are discussed. This book is a valuable and indispensable guide to better oral health and is highly recommended to faculty members, researchers, dental students, practitioners and other dental professionals.

### **Caries Management, An Issue of Dental Clinics of North America** Sandra Guzmán-Armstrong 2019-08-30

This issue of Dental Clinics of North America focuses on Caries Management and is edited by Drs. Sandra Guzmán-Armstrong, Margherita Fontana, Marcelle Matos Nascimento and Andrea G. Ferreira Zandona. Articles will include: Non-Surgical management of cavitated and non-cavitated lesions; Approaches to modulate biofilm ecology; Dietary implications in dental caries: A practical approach on nutritional counseling; Motivational communication in the dental practice: On the road to preventing oral disease; Personalized dental caries management in adults; Personalized dental caries management in geriatric and special needs

populations; Clinical decision making in the management of dental caries; Surgical management of caries lesions: Selective removal of carious tissues; The interprofessional role in dental caries management: Perspectives from a nurse, physician, and social worker; Third party perspective of dental caries management; Less is more? The long-term health and cost consequences emanating from minimal invasive caries management; Performance of adhesives and restorative materials after selective removal of carious lesions: Restorative materials with anti-caries properties; Personalized dental caries management in children; and more!

Prevalence and Severity of Dental Fluorosis in the United States, 1999-2004 Eugenio D. Beltrán-

Aguilar 2010 "Dental fluorosis refers to changes in the appearance of tooth enamel that are caused by long-term ingestion of fluoride during the time teeth are forming. Studies conducted in the 1930s showed that the severity of tooth decay was lower and dental fluorosis was higher

in areas with more fluoride in the drinking water. In response to these findings, community water fluoridation programs were developed to add fluoride to drinking water to reach an optimal level for preventing tooth decay, while limiting the chance of developing dental fluorosis. By the 1980s, studies in selected U.S. communities reported an increase in dental fluorosis, paralleling the expansion of water fluoridation and the increased availability of other sources of ingested fluoride, such as fluoride toothpaste (if swallowed) and fluoride supplements. This report describes the prevalence of dental fluorosis in the United States and changes in the prevalence and severity of dental fluorosis among adolescents between 1986-1987 and 1999-2004. Data from the National Health and Nutrition Examination Survey, 1999-2004 and the 1986-1987 National Survey of Oral Health in U.S. School Children."--Page 1.

*Pathophysiology of Dental Caries* Saini Roseka 2012 Although effective methods are known for

prevention & management of dental caries, it is a major problem affecting mankind, in that its manifestations persist throughout life despite treatment .There are practically no geographic areas in the world whose inhabitants do not exhibit some evidence of dental caries. It effects the persons of both genders in all socio-economic strata & every age group. Subjects who never

develop carious lesions are designated caries-free & no satisfactory explanation is given. Many investigators have studied various aspects of dental caries for century. Despite this, many aspects of etiology & pathophysiology of caries are still obscure & efforts at prevention have only been partially successful.