

Dental Caries The Disease And Its Clinical Manage

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LUCA GUERRA

Oral Epidemiology Charles C. Thomas Publisher

For all introductory, clinical, and preventive courses in dental hygiene and dental assisting that cover preventive dental modalities and concepts. Organised for consistency, coherence, and readability, this fully updated text covers all areas of prevention in dental care. It first describes dental diseases and conditions, helping students clearly understand the processes that can be prevented through the use of preventive modalities or ideas. Next, it presents detailed strategies to prevent these diseases and conditions. Throughout, specific target populations are defined and described based upon scientifically valid preventive strategies aimed at their needs. This edition improves student understanding with more photos, illustrations, diagrams, and tables; highlights "fun facts" about the topic; adds a new chapter on the important influence culture plays in preventive dental care; and is supported by many new web-based review questions and case studies for each chapter.

Essentials of Dental Caries Elsevier Health Sciences

The second edition of *Dental Caries: the Disease and its Clinical Management* builds on the success of the prestigious first edition to present an unrivaled resource on cariology. The clinical thrust of the first edition is widened and strengthened to include coverage of the disease in all its variety, from eruption of the first primary tooth to the prevalent forms of the disease in older patients. The centrality of caries control and management to the dental health of all populations is further emphasized, as the book goes beyond the successful treatment of carious lesions to demonstrate the long-term consequences of the non-operative and therapeutic techniques employed.

Understanding Dental Caries Springer

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.

Root Caries: From Prevalence to Therapy Springer Science &

Business Media

This intermediate textbook on oral epidemiology is designed to meet the needs of advanced students in the fields of Dentistry and Oral Health and dentists in the early stages of their career. Readers will find detailed information on the epidemiology of individual diseases and disorders and on hot topics and methods in oral health research. The extensive first part of the book explores the international epidemiological literature regarding a wide range of conditions, from dental caries and periodontal diseases to halitosis and malocclusions. In each case, the prevalence, disease-specific measures, and associated factors are identified. Attention is then focused on cutting-edge research topics in oral epidemiology, such as the intriguing mechanisms linking oral diseases and chronic general diseases, life course epidemiology, and the role of socioeconomic determinants of oral health. The final part of the book is devoted to description of the epidemiological methods and tools applied in the field of oral health. Here, the coverage includes validation of questionnaires, data collection and data analyses, and systematic reviews and meta-analyses.

Detection, Assessment, Diagnosis and Monitoring of Caries John Wiley & Sons

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.

Public Policy Options for Better Dental Health Springer Nature

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.

The Micro-organisms of the Human Mouth Elsevier Health Sciences

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 Elsevier Health Sciences

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.

Dental Caries as a Cause of Nervous Disorders BoD – Books on Demand

Diet and Health examines the many complex issues concerning diet and its role in increasing or decreasing the risk of chronic disease. It proposes dietary recommendations for reducing the risk of the major diseases and causes of death today: atherosclerotic cardiovascular diseases (including heart attack and stroke), cancer, high blood pressure, obesity, osteoporosis, diabetes mellitus, liver disease, and dental caries.

Dental Caries National Academies

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.

The Cause and Prevention of Decay in Teeth Karger Medical and Scientific Publishers

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.

Caries Management - Science and Clinical Practice Oxford University Press, USA

This book focuses on oral health promotion and the impact of systemic disease in the development of oral disease, as well as how to introduce, apply, and communicate prevention to a patient with a defined risk profile. *Prevention in Clinical Oral Health Care* integrates preventive approaches into clinical practice, and is a valuable tool for all health care professionals to integrate oral health prevention as a component of their overall preventive message to the patient. Discusses risk-based approaches to prevent problems such as caries, periodontal disease, and oral cancer. Topics are written at a level that can be understood by both practicing dental health team members and by dental hygiene and dental students so strategies can be applied to better understand the patient's risk for oral disease and how to prevent future disease. Identifies the barriers, oral health care needs, and preventive strategies for special populations such as children, the elderly, and the physically or mentally disabled. Explores the development of a culturally sensitive dental practice and strategies to make the dental environment more welcoming to individuals with different cultural backgrounds. Discusses how to gather patient information, the synthesis of the patient's data, and the application of the information collected in order to evaluate the patient's risk for disease.

Dental Caries John Wiley & Sons

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.

Dental Caries Springer

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.

The Prevention of Oral Disease Thieme

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. *Dental Caries* is aimed at dental students and practitioners, and will be of value to dental hygienists and those involved with public health. Faculty and practice libraries will also wish to feature this authoritative book on their shelves. Other Titles of Interest *Clinical Periodontology and Implant Dentistry*, Fourth Edition Edited by Jan Lindhe, Thorkild Karring and Niklaus P. Lang 1 4051 0236 5 *Textbook of Endodontology* Edited by Gunnar Bergenholtz, Preben Hørsted-Bindslev and Claes Reit 8 7161 2185 6 *Pediatric Dentistry - A Clinical Approach* Edited by Göran Koch and Sven Poulsen 8 7161 2271 2

Essentials of Dental Caries National Academies Press

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.

Systemized Prevention of Oral Disease Karger Medical and Scientific Publishers

The second edition of *Dental Caries: the Disease and its Clinical Management* builds on the success of the prestigious first edition to present an unrivaled resource on cariology. The clinical thrust of the first edition is widened and strengthened to include coverage of the disease in all its variety, from eruption of the first primary tooth to the prevalent forms of the disease in older patients. The centrality of caries control and management to the dental health of all populations is further emphasized, as the book goes beyond the successful treatment of carious lesions to demonstrate the long-term consequences of the non-operative and therapeutic techniques employed.

Dental Caries John Wiley & Sons

The U.S. Surgeon General of the Public Health Service presents the May 2000 report "Oral Health in America: A Report of the Surgeon General." The report highlights the lack of awareness about the importance of oral health and notes the disparity between racial and socioeconomic groups regarding oral health. *Oral Health Epidemiology* Oxford University Press

Though it is highly preventable, tooth decay is a common chronic disease both in the United States and worldwide. Evidence shows that decay and other oral diseases may be associated with adverse pregnancy outcomes, respiratory disease, cardiovascular disease, and diabetes. However, individuals and many health care professionals remain unaware of the risk factors and preventive approaches for many oral diseases. They do not fully appreciate how oral health affects overall health and well-being. In *Advancing Oral Health in America*, the Institute of Medicine (IOM) highlights the vital role that the Department of Health and Human Services (HHS) can play in improving oral health and oral health care in the United States. The IOM recommends that HHS design an oral health initiative which has clearly articulated goals, is coordinated effectively, adequately funded and has high-level accountability. In addition, the IOM stresses three key areas needed for successfully maintaining oral health as a priority issue: strong leadership, sustained interest, and the involvement of multiple stakeholders from both the public and private sectors. *Advancing Oral Health in America* provides practical recommendations that the Department of Health and Human Services can use to improve oral health care in America. The report will serve as a vital resource for federal health agencies, health care professionals, policy makers, researchers, and public and private health organizations.

Dental Caries Oxford University Press, USA

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.