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# Cariology

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Textbook of Clinical Cariology

1976-1986

Cariology Today

Contemporary Esthetic Dentistry - E-Book

Animal Models in Cariology

Cariology in the 21st Century

Correlating Cariology with Preclinical Operative Dentistry

Cariology 1983

International Congress in Honour of Professor Dr. Hans-R. Mühlemann, Zürich, September 2-4, 1983

Cariology in the 21st Century

Detection, Assessment, Diagnosis and Monitoring of Caries

Department of Cariology and Endodontology

A First Experiment

Cariology

Impact of Laser Irradiation on the Increase of Dental Enamel Resistance to Caries, Erosion, and Abrasion

Comparative Cariology

State of the Art and Future Perspectives

A Practical Approach

Animal Models in Cariology

Laser Applications in Cariology

A Biological Study of the Germ Theory of Disease

Advanced Operative Dentistry E-Book

The Disease and Its Clinical Management

Cariology

The Most Important Concepts

Concepts in Cariology

Proceedings

Paediatric Cariology

Cariology

A Special Supplement to Microbiology Abstracts - Bacteriology : Proceedings of a Symposium & Workshop on Animal Models in Cariology, April 21-23, 1980, Sheraton Sturbridge Inn, Sturbridge, Massachusetts

Animal Models in Cariology

Dental Caries

Dental Anatomy

Caries Management - Science and Clinical Practice

Paediatric Cariology

Understanding Dental Caries

Review

Social Constructionist Account of Dental Caries

From Pathogenesis to Prevention and Therapy

*Cariology*

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## **CAMERON RICHARD**

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*Textbook of Clinical Cariology* IRL Press

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on your electronic 'bookshelf' so that you can search across your entire electronic library. *Advanced Operative Dentistry: A Practical Approach* is a brand new volume that addresses the use of fixed prosthodontics in a single handy reference source. Prepared by editors and contributors of international renown, this volume places unique emphasis on the biological basis of effective treatment planning by describing the diagnosis, aetiology, risk assessment and preventive management of diseases and disorders and how these factors are integral to

predictable long-term patient outcomes. *Advanced Operative Dentistry: A Practical Approach* also gives clear advice on the selection and use of modern dental materials and describes how teeth are prepared - and to what extent - for indirect restorations such as crowns, bridges, veneers, inlays and onlays. The book also explores the use of complex indirect fixed prosthodontics which brings with it specific issues of restoration design, retention and occlusal management. Recognising that great deal of emphasis is placed on aesthetic dentistry by patient

and dentist alike, this text also discusses factors which can impact upon aesthetics and how the aesthetic demands of patients can be met in a realistic and ethical manner. Clearly written and fully illustrated throughout, this practical step-by-step guide will be ideal for undergraduate dental students, vocational trainees and practitioners undertaking post-graduate exams. Prepared by editors and contributors of international renown Contains an abundance of full colour, clinical illustrations to show the results that can be achieved in real life Describes how to achieve the best appearance in order to meet increasing patient expectations Discusses the use of fixed prosthodontics in one volume and how fixed and removable prosthodontics can be integrated Gives unique emphasis on the preventative, biological approach to the use of fixed prosthodontics in order to ensure positive long-term treatment outcomes Clearly illustrates why aspects of tooth preparation are necessary and how the construction of restorations influences their fit Provides an integrated, multidisciplinary step-by-step guide to the provision of indirect fixed restorations

Provides guidance on effective communication with laboratory staff to ensure high-quality tooth preparation Describes the correct handling of materials and restorations when being fitted Presents the latest findings regarding the use of contemporary materials and techniques - such as the use of Expasyl, Protemp temporary crowns, CAD and CAM crowns Comprehensive coverage of the subject area makes cross-referencing to other books unnecessary 1976-1986 Oxford University Press 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.

*Cariology Today* Elsevier Health Sciences  
This issue is the third issue Dr. John Calamia and colleagues have edited on cosmetic dentistry. This issue, titled "Modern Concepts in Aesthetic Dentistry & Multi-disciplined Reconstructive Grand Rounds," features 20 articles on Smile design, Proportional smile design, Use of Kois analyzer in the restoration of anterior dentition, Cements and adhesives for all-ceramic restorations, Replacement of old PFM crowns with all ceramic restorations, Cosmetic makeover insuring patient input, Orthodontic intervention: diastema closure, Fluorosis, chemical abrasion, and porcelain veneers, Aesthetic smile enhancement, Treatment of intrinsic stains, Moderate mandibular anterior crowding, Functional and aesthetic rehabilitation, Restoration of the anterior segment, Full mouth reconstruction of

worn dentition, Interdisciplinary aesthetic treatment, Gummy smile reduction, Diastema closure, and much more!

Contemporary Esthetic Dentistry - E-Book

University Rochester Press

Cariology for the Nineties University Rochester Press

**Animal Models in Cariology**

Independently Published

After summarizing the dramatic changes that have taken place in caries prevalence during the 50-year lifespan of ORCA, this publication focuses on current concepts of the control of dental caries. The papers are all written by leading experts in their respective fields and provide an invaluable overview of current thinking in caries research. The main section comprises 19 papers under the headings: 'Defining and diagnosing caries'; 'How to prevent caries?' and 'How to manage caries?', which comprehensively review the basic and clinical sciences of caries control. Finally, looking ahead, the problems of how to translate research into clinical practice are discussed. The issue concludes with a concise summary of the discussions stimulated by the presentations. This publication is unique in

bringing together up-to-date, authoritative reviews of this multifactorial disease and is highly recommended to basic and clinical scientists interested in any aspect of caries research, to dental public care planners, and academic dentists involved in teaching aspects of caries aetiology, prevention and management. For more information about ORCA, see [www.orca-caries-research.org](http://www.orca-caries-research.org)

**Cariology in the 21st Century**

Quintessence Publishing Company Limited

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!

*Correlating Cariology with Preclinical Operative Dentistry* Quintessence Publishing Company

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 pulpal change

faster. Fortunately, restorative techniques are simpler. This book unravels the modern theories of cariology and provides simple step-by-step guides to restoration. *Cariology 1983* Cariology for the Nineties 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.

**International Congress in Honour of Professor Dr. Hans-R. Mühlemann, Zürich, September 2-4, 1983** Thieme

Dental caries is the central theme of Dentistry. The author has compiled the best in the literature to provide to the reader a wide knowledge about this matter. In *Cariology*, the most important concepts, students or dental professionals will have the opportunity to understand in a didactic and up to date way, the mechanism of universal and prevalent disease, and all factors involved in its prevention and establishment. Essential reading for the student and dental professional who wants to improve their knowledge.

*Cariology in the 21st Century* S Karger Ag Dental caries, despite significant reductions in some populations, continues to be a major public health problem, and is the most prevalent disease affecting humans. However, even fundamental aspects of the pathogenesis of caries remain uncertain, calling for continuing scientific enquiry and the application of sophisticated techniques, from epidemiology to molecular biology. Although recent changes in the pattern of

dental caries are identifiable, available data does not reveal whether, overall, caries is declining. The conference 'Cariology in the Nineties', held at the University of Rochester in 1991, by focusing on the etiology, pathogenesis and prevention of dental caries, emphasised the need to co-ordinate research in monitoring populations worldwide, and to change the focus of research to reflect the changing epidemiology and patterns of dental disease. Contents: Keynote address; Epidemiology; Saliva; Teeth; Clinical studies; Microbiology/Plaque; Diet/Nutrition/Prevention. W.H. BOWEN is Professor and Chair, Department of Dental Research, University of Rochester. LAWRENCE A. TABAK is Professor of Dental Research and of Biochemistry, University of Rochester *Detection, Assessment, Diagnosis and Monitoring of Caries* Quintessence Publishing (IL) The book "Dental Anatomy" is one of the most important and basic areas of dentistry. This book is a collection of nine chapters divided into five sections as follows: Chapter 1: "Permanent Maxillary and Mandibular Incisors", Chapter 2: "The

Permanent Maxillary and Mandibular Premolar Teeth", Chapter 3: "Dental Anatomical Features and Caries: A Relationship to be Investigated", Chapter 4: "Anatomy Applied to Block Anaesthesia", Chapter 5: "Treatment Considerations for Missing Teeth", Chapter 6: "Anatomical and Functional Restoration of the Compromised Occlusion: From Theory to Materials", Chapter 7: "Evaluation of the Anatomy of the Lower First Premolar", Chapter 8: "A Comparative Study of the Validity and Reproducibility of Mesiodistal Tooth Size and Dental Arch with the iTero Intraoral Scanner and the Traditional Method", Chapter 9: "Identification of Lower Central Incisors". The book is aimed toward dentists and can also be well used in education and research.

**Department of Cariology and Endodontology** S Karger Ag

This book is a printed edition of the Special Issue "Development and Application of Optical Coherence Tomography (OCT)" that was published in Applied Sciences  
*A First Experiment* BoD – Books on Demand

A unique, multidisciplinary manual for the treatment of pediatric dental emergencies for general practitioners and non-pediatric specialists Management of Dental Emergencies in Children and Adolescents presents the diagnostic skills, treatment options, and management strategies necessary to provide effective and appropriate dental care for children and adolescents. This authoritative manual helps dental practitioners manage potentially stressful situations with children and adolescents while improving their competence in a wide range of urgent pediatric situations. An emphasis on managing the therapeutic demands of both younger patients and their parents enables readers to have greater confidence in handling demanding emergency situations in daily practice. An expert team of contributors explain how to manage tooth substance loss, endodontic problems in deciduous teeth, the long-term consequences of early tooth loss, the dental issues related to oral health, and more. Guiding practitioners through the unique challenges of pediatric dental emergencies, this book: Explains the differences in treating and managing

dental emergencies in children compared to adults Covers all types of pediatric dental emergencies including open pulp in permanent and deciduous teeth, missing teeth, and non-infective dental conditions Offers clinical vignettes and photographs to highlight clinical relevance Includes chapters by experts in multiple disciplines such as endodontics, restorative dentistry, pediatric dentistry, prosthodontics, and orthodontics The first textbook to focus exclusively on young patients in need of acute dental care, Management of Dental Emergencies in Children and Adolescents is a much-needed resource for general and specialist dentists as well as trainee and specialist pediatric dentists.

Elsevier Health Sciences

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.

*Cariology* Karger Medical and Scientific Publishers

Covering both popular and advanced cosmetic procedures, *Contemporary Esthetic Dentistry* enhances your skills in the dental treatments leading to esthetically pleasing restorations. With over 1,600 full-color illustrations, this definitive reference discusses the importance of cariology and caries management, then covers essential topics

such as ultraconservative dentistry, color and shade, adhesive techniques, anterior and posterior direct composites, and finishing and polishing. Popular esthetic treatment options are described in detail, including bleaching or tooth whitening, direct and porcelain veneers, and esthetic inlays and onlays. Coverage of advanced cosmetic procedures includes implants, perioesthetics, ortho-esthetics, and pediatric esthetics, providing a solid understanding of treatments that are less common but can impact patient outcomes. Developed by Dr. George A. Freedman, a renowned leader in the field, *Contemporary Esthetic Dentistry* also allows you to earn Continuing Education credits as you improve your knowledge and skills. Continuing Education credits are available, allowing you to earn one to two CE credits per chapter. Detailed coverage of popular esthetic procedures includes bleaching, direct and porcelain veneers, inlays and onlays, posts and cores, porcelain-fused-to-metal restorations, zirconium crowns and bridges, and complete dentures. Coverage of advanced procedures includes implants, perioesthetics, ortho-esthetics, pediatric

esthetics, and sleep-disordered breathing, providing a solid understanding of less-frequently encountered topics that impact the esthetic treatment plan and outcomes. Coverage of key esthetic dentistry topics and fundamental skills includes cariology and caries management, understanding dental materials, photography, understanding and manipulating of color and shade, adhesive techniques, anterior and posterior direct composites, and finishing and polishing. Over 1,600 full-color photos and illustrations help to clarify important concepts and techniques, and show treatments from beginning of the case to the final esthetic results. Well-known and respected lead author George A. Freedman is a recognized author, educator, and speaker, and past president of the American Academy of Cosmetic Dentistry and co-founder of the Canadian Academy for Esthetic Dentistry. Expert contributors are leading educators and practicing clinicians, including names such as Irvin Smigel (the father of esthetic dentistry), Chuck N. Maragos (the father of contemporary diagnostics), Wayne Halstrom (a pioneer in the area of dental sleep medicine), David Clark (one of the

pioneers of the microscope in restorative dentistry and founder the Academy of Microscope Enhanced Dentistry), Edward Lynch (elected the most influential person in UK Dentistry in 2010 by his peers), Joseph Massad (creator, producer, director, and moderator of two of the most popular teaching videos on the subject of removable prosthodontics), Simon McDonald (founder and CEO of Triodent Ltd, an international dental manufacturing and innovations company), and many more!

[Impact of Laser Irradiation on the Increase of Dental Enamel Resistance to Caries, Erosion, and Abrasion](#) Elsevier Health Sciences

This easy-to-read, well-illustrated book helps the practitioner understand, prevent, and manage caries in children by

presenting the latest concepts and clinical guidance for handling simultaneously the child, the caries, and the parent.

*Comparative Cariology* John Wiley & Sons  
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.

*State of the Art and Future Perspectives*  
Elsevier Health Sciences

[A Practical Approach](#) Springer

*Animal Models in Cariology* Mosby Elsevier  
Health Science

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