

A close-up photograph of a person's mouth, showing the upper and lower teeth and lips. The teeth are white and appear healthy. The lips are pink and slightly parted. The background is a soft, out-of-focus orange and yellow color.

**DIAGNOSIS AND MANAGEMENT
OF ORAL LESIONS AND
CONDITIONS: A RESOURCE
HANDBOOK FOR THE CLINICIAN**

Edited by **Cesar A. Migliorati and Fotinos S. Panagakos**

DIAGNOSIS AND MANAGEMENT OF ORAL LESIONS AND CONDITIONS: A RESOURCE HANDBOOK FOR THE CLINICIAN

Edited by **Cesar A. Migliorati**
and **Fotinos S. Panagakos**

INTECHOPEN.COM

**Diagnosis and Management of Oral Lesions and Conditions:
A Resource Handbook for the Clinician**

<http://dx.doi.org/10.5772/57597>

Edited by Cesar A. Migliorati and Fotinos S. Panagakos

Published by InTech

Janeza Trdine 9, 51000 Rijeka, Croatia

Copyright © 2014 InTech

All chapters are Open Access distributed under the Creative Commons Attribution 3.0 license, which allows users to download, copy and build upon published articles even for commercial purposes, as long as the author and publisher are properly credited, which ensures maximum dissemination and a wider impact of our publications. After this work has been published by InTech, authors have the right to republish it, in whole or part, in any publication of which they are the author, and to make other personal use of the work. Any republication, referencing or personal use of the work must explicitly identify the original source.

Notice

Statements and opinions expressed in the chapters are those of the individual contributors and not necessarily those of the editors or publisher. No responsibility is accepted for the accuracy of information contained in the published chapters. The publisher assumes no responsibility for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained in the book.

Publishing Process Manager Viktorija Zgela

Typesetting www.pantype.com

Cover InTech Design Team

First published February, 2014

Printed in Croatia

A free online edition of this book is available at www.intechopen.com

Additional hard copies can be obtained from orders@intechopen.com

Diagnosis and Management of Oral Lesions and Conditions: A Resource Handbook for the Clinician, Edited by Cesar A. Migliorati and Fotinos S. Panagakos

p. cm.

ISBN 978-953-51-1219-8

INTECH

open science | open minds

free online editions of InTech
Books and Journals can be found at
www.intechopen.com

Editors

Cesar A. Migliorati D.D.S, M.S., Ph.D.

Professor and Chair
Department of Diagnostic Sciences and Oral Medicine
University of Tennessee Health Science Center College of Dentistry

Fotinos S. Panagakos, DMD, PhD

Associate Professor, Rutgers University School of Dentistry and Global Director,
Scientific Affairs., Colgate-Palmolive Co.

Contributors

K. Mark Anderson D.D.S, M.S.

Associate Professor and Director
Division of Oral and Maxillofacial Pathology
Department of Diagnostic Sciences and Oral Medicine
University of Tennessee Health Science Center College of Dentistry

Mary A. Aubertin D.D.S.

Associate Professor
Division of Oral Diagnosis
Department of Diagnostic Sciences and Oral Medicine
University of Tennessee Health Science Center College of Dentistry

Yeshwant B. Rawal B.D.S., M.D.S., M.S.

Associate Professor
Division of Oral and Maxillofacial Pathology
Department of Diagnostic Sciences and Oral Medicine
University of Tennessee Health Science Center College of Dentistry

Molly S. Rosebush D.D.S.

Assistant Professor
Division of Oral and Maxillofacial Pathology
Department of Comprehensive Dentistry and Biomaterials
Louisiana State University Health Sciences Center

Werner Shintaku D.D.S., M.S.

Associate Professor and Director
Division of Imaging Sciences
Department of Diagnostic Sciences and Oral Medicine
University of Tennessee Health Science Center College of Dentistry

Marjorie Woods D.D.S.

Professor and Director
Division of Oral Diagnosis
Department of Diagnostic Sciences and Oral Medicine
University of Tennessee Health Science Center College of Dentistry

Contents

The Goal VIII

- Chapter 1 **Normal Oral Cavity Findings and Variants of Normal** 1
- Chapter 2 **Common Benign Dental and Periodontal Lesions** 13
- Chapter 3 **Bony Lesions** 27
- Chapter 4 **Skin Lesions** 43
- Chapter 5 **Benign Inflammatory Lesions/Conditions of Oral Mucous Membranes** 51
- Chapter 6 **Benign Infectious Lesions/Conditions of the Oral Mucous Membrane** 63
- Chapter 7 **Common Lesions of Varied Etiology** 73
- Chapter 8 **Dry Mouth and Associated Conditions** 91
- Chapter 9 **Pre-Cancer and Cancer** 95
- Chapter 10 **AIDS/HIV Associated Lesions and Management** 105
- Chapter 11 **The Cancer Patient/Oral Complications of Cancer Therapy and Management** 113
- Chapter 12 **Concepts of Oral Hygiene Maintenance that Would Apply for the Different Groups of Patients** 123

The Goal

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.



Dear Reader:

It is with great pride that we present the textbook *Diagnosis and Management of Oral Lesions and Conditions: A Resource Handbook for the Clinician*.

This book has been developed to serve as a resource for dental students, dental hygiene students, medical students, faculty members of dental schools, dental hygiene programs, and medical schools, and for practicing dental and medical professionals. The book is designed to provide the reader with an easy to use reference source regarding oral lesions and how to manage them.

I would like to express our deep appreciation to Dr. Cesar Migliorati and his faculty for their knowledge of this vitally important subject, and their commitment to the project that we are able to bring you this significant work.

Since the launch of its first toothpaste in 1873, the Colgate-Palmolive Company has been a world leader in oral care, both through cutting-edge therapeutics, as well as important educational services to the dental professions. *Diagnosis and Management of Oral Lesions and Conditions: A Resource Handbook for the Clinician* which has been produced and distributed through an educational grant from the company (by which the company provided funding to the publisher), is one shining example of our continuing commitment to ensuring the dental professions' education.

Sincerely,

A handwritten signature in black ink, reading "Fotinos S. Panagakos".

Fotinos S. Panagakos, DMD, PhD
Global Director, Scientific Affairs

The views expressed in this textbook are those of the authors, not necessarily those of the Colgate-Palmolive Company.