

Caries Management by Risk Assessment

An Evidence-based Approach

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Registration**

(713) 500-4028

Friday – November 20, 2009

**Margherita Fontana, DDS, PhD
Cynthia Trajtenberg, DDS, MS
Ryan Quock, DDS**

Course Description

Dental caries is an initially reversible, chronic disease process that occurs as an interaction between the bio-film and the tooth structure. The manifestation of the stage of the process at one point in time is the caries lesion. Over the past 30 years the incidence and severity of caries have decreased in the United States, and caries assessment measures have shifted from an exclusive focus on frank, cavitated lesions to detection of earlier phases of demineralization and treatment for prevention and arrest of such lesions. To “diagnose” dental caries implies not only determining whether or not lesion(s) or disease is present at one point in time (detection), but, to decide if it is active, progressing rapidly or slowly, or already arrested. Without this information a logical decision about treatment is impossible. The most current caries detection criteria will be discussed, differences between detection and diagnostic skills from a lesion perspective, and a review of some of the technology-based methods for caries detection available in the US market will be presented. Risk assessment has become a fundamental strategy employed when assessing any disease process and its subsequent management. The most relevant risk factors for caries will be discussed and simple protocols will be outlined that will enable practitioners to account for risk and protective factors in their caries patients, when formulating diagnoses, treatment plans and maintenance regimes.

Learning Objectives

At the conclusion of this course participants will:

- Understand contemporary methods of caries detection and compare them to traditional methodologies.
- Understand the contemporary international caries detection and assessment system for early caries detection and compare it to the traditional caries detection criteria taught in most dental curriculums.
- Understand new technological advances for caries detection and understand their advantages and disadvantages and most appropriate ways to implement them in clinical practice.
- Understand the concept of caries risk assessment for identifying individuals at high risk, for caries management and treatment decisions.
- Understand the difference between medical and surgical (restorative) models for caries management and the need for a paradigm change.
- Understand the importance of bacterial and salivary in-office tests for caries management and ADA approved clinical procedures codes used in private practice.
- Implement evidence-based preventive therapies customized to the caries risk of the patient. Clinical decisions that are supported by systematic analysis of the evidence will be presented for fluorides, CPP-ACP, xylitol products, antimicrobials agents.
- Learn about current trends in drinking water fluoridation in the Greater Houston area.

About the Presenters

Margherita Fontana, DDS, PhD, is a graduate of the University of Venezuela, Caracas in 1990 and obtained her PhD degree from Indiana University in 1996. She is an Associate Professor with tenure in the Department of Preventive and Community Dentistry at Indiana University School of Dentistry. She serves as Director of the Microbial Caries Model Facility, Director of the Oral Biofilms in Caries Assessment and Management Research Program, and Director of Predoctoral Education in Preventive and Community Dentistry. Dr. Fontana lectures in the field of Cariology and she is a member of several national as well as international professional associations. She is the current President of the Cariology group of the International Association of Dental Research and the Chair-elect of the American Dental Education Association Cariology special interest group.

Cynthia Trajtenberg, DDS, MS, is a graduate of the University of Buenos Aires, Argentina in 1993 and obtained her M.S. degree in Oral Biomaterials from The University of Texas Graduate School of Biomedical Sciences and MD Anderson Cancer Center in 2001. She is an Assistant Professor in the Department of Restorative Dentistry and Biomaterials at The University of Texas Dental Branch at Houston. Dr. Trajtenberg lectures in the field of dental materials, lasers and operative dentistry. Dr. Trajtenberg is evidence reviewer in Evidence-based Dentistry for the American Dental Association.

Ryan Quock, DDS, is a graduate of The University of Texas Dental Branch at Houston. He is an assistant professor in the Department of Restorative Dentistry and Biomaterials at the Dental Branch. Dr. Quock is active in dental anatomy and operative dentistry education. Dr. Quock's primary interest in research is preventive dentistry, with an specific focus on fluoride.

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Educational Grants

The University of Texas Dental Branch at Houston gratefully acknowledges **CARIFREE, GC America, GlaxoSmithKline, Ivoclar Vivadent, and Premier Dental Products** for their continued support and participation in its sponsored programs.

**Continental
Breakfast and Lunch
Provided**

Location Hobby

Hilton Houston
Hobby Airport Hotel
8181 Airport Blvd.
Houston, TX. 77061
713-289-3643

Date

Friday – November 20, 2009

Time

Check-in and Breakfast
8:30 am – 9:00 am

Presentation
9:00 am – 5:00 pm

Credit Hours

7 Lecture

AGD Code

730 Oral Medicine,
Oral Diagnosis

Registration

\$197.00 Dentist
\$167.00 Allied Dental
Personnel

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