

**TUESDAY, May 25**

**Dental Category Day Agenda**

*Room: TBD*

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7:45 am - 8:00 am    **Welcome and Introductory Remarks**

8:00 am - 9:00 am    **Understanding and preventing early childhood caries**

Jane A. Weintraub, DDS, MPH

This session will look at the University of California, San Francisco (UCSF) Center to Address Disparities in Children's Oral Health, nicknamed CAN DO, which includes many research projects to understand, prevent and reduce early childhood caries. Key findings will be presented as well as information about new clinical trials underway.

At the end of the session, participants will be able to:

1. Describe oral health disparities among young children, particularly with respect to early childhood caries.
2. Identify factors associated with these disparities at the individual, family, and community levels.
3. Disseminate and apply current research findings into clinical practice and health policy.

9:00 am - 10:00 am    **Dental materials selection**

CAPT James M. Strother, DDS, MS, USN

This session will explore the vast number of materials available for the restorative dentist. This presentation will discuss materials selection based on the physical properties of available materials and critical factors which are present for different restorative situations.

At the end of the session, participants will be able to:

1. Describe a rational, scientific, needs-based strategy for dental materials selection.
2. List the differences in physical properties of spherical amalgam and admixed amalgam and identify situations where one material has clinical advantages over the other.
3. List the differences in physical properties of glass ionomer and composite amalgam and identify situations where one material has clinical advantages over the other.
4. List the differences in physical properties of different filler loadings of composite and identify situations where one material has clinical advantages over the other.

10:00 am - 10:15 am **BREAK**

10:15 am - 11:15 am **David Satcher Keynote Lecture**  
W. Chester Douglass, DDS, PhD

This session will examine the issue of universal access to oral health care and the role of the U.S. Public Health Service.

At the end of the session, participants will be able to:

1. Describe the difference between oral health and dental care.
2. Identify 20 strategies to reduce disparities in oral health.
3. Describe the barriers to reducing disparities in access to dental care.

11:15 am - 11:45 am **Updates from the Office of Commissioned Corps Operations (OCCO)**  
CAPT Joyce Prince, MBA, BSN, RN, USPHS

11:45 am - 12:30 pm **BREAK**

12:30 pm - 2:00 pm **LUNCHEON**  
**Awards and Introduction of Guests**  
CDR Phillip Woods, USPHS, 2010 Dental Professional Advisory Committee Chair/Category Day Planning Committee Co-Chair

2:00 pm - 3:00 pm **Restoration timing of the dental implant patient**  
CDR Stephen G. Alfano, DDS, MS, USN  
This session will provide an overview of the traditional treatment concept of dental implants. The topic of immediate loading will also be presented to include literature supporting this expedited treatment technique. Finally, clinical cases will be presented.

At the end of the session, participants will be able to:

1. Describe the traditional treatment protocol of dental implant treatment.
2. Describe immediate and expedited loading techniques.
3. Identify the literature to support these techniques.

3:00 pm - 3:15 pm **BREAK**

3:15 pm - 4:00 pm **Practice-based research: Answering “real world” questions faced by dental practitioners**  
Dr. Donald J. DeNucci, DDS, MS

This presentation will describe dental practice-based research and how it can be used to answer the questions clinicians face in the

daily care of their patients. The speaker will provide an update on the progress of the three large National Institute of Dental and Craniofacial Research (NIDCR) funded practice-based research networks and offer insights into the process of establishing a practice-based research network in a federal healthcare facility. Lastly the presenter will describe the kinds of studies best suited for implementation in a practice-based research network.

At the end of the session, participants will be able to:

1. Describe a practice-based research network (PBRN).
2. Identify the historical basis and importance of practice-based research.
3. Describe the process of establishing the NIDCR and Veterans Affairs' Dental Practice-based Research Networks (PBRNs).

4:00 pm - 4:45 pm

**Community Water Fluoridation: 65 years of successes and challenges**

CAPT William Bailey, DDS, MPH, USPHS

This session will provide a current look at water fluoridation activities in the United States. It will focus on prevalence and occurrence statistics, examine the methodology for determining optimal fluoride concentrations in drinking water, and present current challenges that threaten the practice of fluoridation.

At the end of the session, participants will be able to:

1. Review the prevalence of fluoridation in the U.S., what is driving its expansion, and how the nation is progressing towards the Healthy People 2010 objective on community water fluoridation.
2. Describe recent scientific studies related to fluid intake and temperature and what impact these may have on the methodology used to determine optimal fluoride levels.
3. List some current issues that present a challenge to water fluoridation and how they are being addressed.

4:45 pm - 5:15 pm

**Closing Remarks**