

Challenges and Opportunities for Implementation of Caries Management in Dental Practice and Academia

March 15, 2019 (Pre-ADEA)
Chicago, IL

- **1st Joint conference & workshop sponsored by the ADEA** (*American Dental Education Association*) **Cariology Section, AAC** (*American Academy of Cariology*), **ORCA** (*European Organization for Caries Research*), and **ACFF** (*Alliance for a Cavity Free Future*) **Canada-US Section**
- **2nd Pre-ADEA Cariology Workshop**
- **3rd AAC Annual Conference**

The **main purpose** of this one day conference and hands-on workshop is to allow dental educators, practitioners, researchers and other health care providers to share their experiences and facilitate the implementation of best science in clinical caries management in both, dental practice and academia. This conference & workshop will also support the implementation of the US Core Cariology Curriculum within dental schools. This event is a collaborative effort between the following groups:

- The **ADEA Section on Cariology** provides a venue within ADEA to discuss and enhance the teaching of Cariology.
- The **AAC** is a non-for-profit organization, which has as an educational and practice goal to support and create educational and education-related research activities in the field of cariology.
- The mission of **ORCA** is to promote understanding of dental caries, and can help provide guidance on implementation.
- The **ACFF**, a non-for-profit charitable organization, is a group of worldwide leading dental experts who have joined forces to help implement changes to dental health practices across the globe. The ACFF aims to promote initiatives to stop the development and progression of tooth decay in order to move towards a Cavity-Free Future for everyone.

Background:

In 2016, the ADEA Section on Cariology developed a US Core Cariology Curriculum framework that was published in the *Journal of Dental Educators* (*Fontana et al., 2016*). It was concluded that multiple factors can influence the implementation of cariology evidence into education and practice. A 2017 survey inquired about interest of US dental schools in a workshop about the implementation of the US Core Cariology Curriculum (response rate was 79%), and found strong support and interest by both administrators and faculty. Therefore, there is a strong need to provide valuable guidance to US dental educators and practicing dentists facing challenges implementing cariology evidence in education and practice.

Proposed Program:

Section 1: Welcome and Introductions

7:00-8:00 Registration

8:00-8:25 AM: **The Collaborative Effort of Cariology Groups**

Speakers: Andrea Zandona (Workshop Chair), Bob Schorth (ACFF co-chair), Joanna Carvalho (ORCA President), Margherita Fontana (AAC president), and Marcelle Nascimento (Chair-elect of ADEA Cariology Section)

8:25-8:45 AM: **Educating Students and Practitioners in Modern Evidence based Caries Management: from a Cariology Curriculum to Implementation**

Speaker: Margherita Fontana

Section 2: Caries Management - What should be implemented?

8:45-9:05 AM: **Risk Assessment and Detection, Activity and Monitoring - a Synthesis**

Speaker: Andrea Zandona

9:05-9:25 AM: **Clinical guidelines and systematic reviews and their role in dental education**

Speakers: Alonso Carrasco-Labra

9:25- 9:45 AM: **Decision-Making for Non-Restorative Caries Lesion Treatments**

Speaker: Rebecca Slayton

9:45-10:05 AM: **Decision-Making and the Spectrum of Surgical Caries Lesion Treatment**

Speaker: Nicola Innes

10:05-10:35 AM: Coffee Break

10:35-10:55 AM: **Practicing Cariology in the Era of EBD for Clinical and Public Health Practice**

Speaker: Bob Weyant

10:55-11:15 AM: **Cariology in Interprofessional Settings**

Speaker: Susan Fisher-Owens

11:15-11:35 AM: **Translating the Cariology Curriculum into Daily Practice**

Speaker: Joana Carvalho

11:35-11:55 AM: **Caries Management Systems and Implementation in Diverse Settings - Experiences from Other Countries**

Speaker: Andreas Schulte

11:55-12:30 PM: **Discussion of Previous Presentations**

Moderator: Margherita Fontana

12:30-1:30 PM: Lunch break

Section 3: The Workshop

- 1:30-1:45 PM: **Introduction of Workshop Activities**
Moderator: Andrea Zandona (Margherita Fontana helper)
- 1:45-3:00 PM: **Working Groups - Cariology Curriculum Needs/Challenges and Solutions**
1. Didactic/preclinical/clinical curriculum integration. Facilitator: Dom Zero, Scribe: Doug Young
 2. Clinician/faculty calibration/ Communication. Facilitator: Mark Wolff, Scribe: Sandra Guzman-Armstrong
 3. Adoption of clinical evidence-based guidelines/health records. Facilitator: Peter Rechmann; Scribe: Poonam Jain
 4. Outcome assessments of curriculum changes/implementation. Facilitator: Marcelle Nascimento; Scribe: Rebecca Slayton
- 3:00-3:30 PM: Coffee Break
- 3:30-4:30: **Report back from each working group and overall discussion**
Moderator: **Andrea Zandona**
- 4:30-5:00 PM: **Wrap Up:** Closing remarks from Representatives of ADEA Cariology Section, AAC, ORCA, and ACFF
- 5:00-6:00 PM: **One-on-One Guidance Meetings**
- 7:00-9:00 PM: **Reception**