

**COUNCIL ON SCIENTIFIC AFFAIRS MINUTES
HEADQUARTERS BUILDING, CHICAGO
JANUARY 27-28, 2021**

Call to Order: Dr. Ana Bedran-Russo, chair, called the meeting of the Council on Scientific Affairs (CSA) to order at 1:03 p.m. on Wednesday, January 27, 2021, by Zoom video teleconference.

ROLL CALL

Members: Council members in attendance included: Dr. Ana Bedran-Russo, chair; Dr. Tara Aghaloo; Dr. Satish Alapati; Dr. Vineet Dhar; Dr. Raymond Dionne; Dr. Mai-Ly Duong; Dr. Kevin Frazier; Dr. Carlos González-Cabezas; Dr. Efthimia Ioannidou; Dr. Deepak Kademani; Dr. Sharukh Khajotia; Dr. Purnima Kumar; Dr. Carol Lefebvre; Dr. Ana Karina Mascarenhas; Dr. Marcelle Nascimento; Dr. Jacob Park; and Dr. Lauren Patton.

Liaisons: Dr. Richard Rosato participated as liaison from the ADA Board of Trustees, and Ms. Michelle Skelton participated as representative from the American Student Dental Association (ASDA).

ADA Science & Research Institute (ADASRI) Staff: The following individuals attended all or part of the meeting: Dr. Marcelo Araujo, ADASRI chief executive officer and ADA chief science officer; Dr. Alonso Carrasco-Labra, senior director, Evidence Synthesis & Translation Research; Dr. Jamie Spomer, senior director, Research and Laboratories; Mr. James Lyznicki, director, Science Governance; Dr. Ruth Lipman, director, Scientific Information; Dr. Spiro Megremis, director, Dental Materials & Devices Research, Research and Laboratories; Dr. Perna Gopal, manager, microbiology & chemistry, Research and Laboratories; Ms. Hillary DeLong, manager, CSA; Dr. Kathleen Ziegler, manager, Scientific Information; Ms. Malavika Tampi, manager, clinical practice guidelines, Evidence Synthesis & Translation Research; Ms. Olivia Urquhart, health research analyst, Evidence Synthesis & Translation Research; Ms. Kelly Mangold, senior manager, Business Operations & Science Projects; Mr. Roger Connolly, health research analyst, Evidence Synthesis & Translation Research; Ms. Malinda Little, coordinator, Science Governance.

ADA Staff in Attendance for All or Portions of the Meeting (by Videoconference): Dr. Daniel Klemmedson, ADA president; Dr. Cesar Sabates, ADA president-elect, Dr. Kathleen O'Loughlin, executive director; Dr. David Preble, senior vice president, Practice Institute; Ms. Michelle Hoffman, vice president, Publishing Division; Ms. Paula Tironi, senior associate general counsel, Division of Legal Affairs; Ms. Cathy Albrecht, senior associate general counsel, Division of Legal Affairs. Law student externs Jeremy Smith and Liam Kenney attended portions of the meeting as observers.

Guests in Attendance for a Portion of the Meeting (by Videoconference): Dr. Rena D'Souza, director, National Institute of Dental and Craniofacial Research; Dr. Raymond Cohlmiya, chair, ADASRI Board of Directors; Dr. J. Timothy Wright, editor-in-chief, *Journal of the American Dental Association (JADA)*; and Dr. Jack Ferracane, editor-in-chief, *JADA Foundational Science*.

PRELIMINARY BUSINESS

Conflict of Interest (Disclosure) Policy: Before consideration of business, Dr. Bedran-Russo called attention to the ADA Conflict of Interest (COI) Disclosure Statement included on the meeting agenda and the requirement to disclose any conflicts of interest. No conflicts were disclosed at the outset of the meeting. Dr. Bedran-Russo advised CSA members to disclose COI information as topic areas or product/manufacture-related considerations arise during the course of the CSA meeting.

Approval of Agenda: On vote, the Council adopted the agenda as presented:

01/21. Resolved, that the agenda be approved as the official order of business for the January 27-28, 2021, meeting of the Council on Scientific Affairs, except that the Chair may alter the order of the agenda when necessary to expedite business.

Approval of Consent Items: The Council reviewed a Consent Calendar that was prepared to expedite CSA business and deliberations. Council members were informed that any report or resolution could be removed from the Consent Calendar to allow for further discussion. No items were proposed for removal from the Consent Calendar, and the Council adopted the following resolution:

02/21. Resolved, that the resolutions contained on the Consent Calendar for consideration at the January 27-28, 2021, CSA meeting be approved and reports be filed.

Process Debrief--CSA Recommendations for Proposed New Members for 2021-2025: The Council held a discussion on its current process of recommending dental scientists and researchers to be considered as future members of the CSA. The Council reviewed its current system of CSA consultant appointments, and whether potential future CSA members should begin with initial terms as CSA consultants to provide fuller evaluation of each individual's performance prior to nomination to the Board of Trustees for future CSA membership.

ADMINISTRATIVE MATTERS

General Legal Topics: The Council heard a presentation by Ms. Paula Tironi, senior associate general counsel, ADA Legal Division, on general legal topics such as confidentiality, fiduciary duty and conflicts of interest.

ADA Professional Conduct Policy and Prohibition Against Harassment: Ms. Cathryn Albrecht, senior associate general counsel, Division of Legal Affairs, reported on the ADA's Professional Conduct Policy and Prohibition Against Harassment.

Resolutions Adopted by E-ballot: In accordance with the *American Dental Association Standing Rules for Councils and Commissions*, all business transacted by ballot without a meeting shall be recorded in the minutes of the next regular session of the council. The Council's non-confidential e-ballot actions (completed between July 2020 and January 2021) are presented below in chronological order:

E18/20. Resolved, that the ACE Panel Report, entitled Bonding Crowns and Bridges with Resin Cement, is approved by the Council for publication in the "CSA Corner" section of *JADA*; and be it further

Resolved, that the following copyright language is approved by the Council for placement on all ACE Panel Reports:

Copyright © [year] American Dental Association. Unlike other portions of *JADA*, the print and online versions of this page may be reproduced for in-office use by dental practices and for educational purposes by dental schools without reprint permission from the ADA Publishing Division. Any other use, copying, or distribution of this material is prohibited without prior written consent of the ADA Publishing Division.

E19/20. Resolved, that the minutes of the June 25, 2020 meeting be approved.

E22/20. Resolved, that Independent Research Testing Site Qualification for the ADA Seal of Acceptance be awarded to Therametic Technologies, Inc., for a five-year period.

E23/20. Resolved, that the August 2020 revision of the ADA Seal Program Requirements for Powered Interdental Cleaners or Oral Irrigators be adopted.

E27/20. Resolved, that Dr. Mai-Ly Duong be submitted to the New Dentist Committee for consideration for appointment to the Council on Scientific Affairs for the 2020-2021 term as a replacement for Dr. Kevin Byrd.

E29/20. Resolved, that the ACE Panel Report, entitled "Zirconia Restorations", is approved by the Council for publication in the CSA Corner section of *JADA*.

E33/20. Resolved, that the November 2020 revision of the ADA Seal of Acceptance Requirements for Toothbrushes be adopted.

E34/20. Resolved, that the November 2020 revision of the ADA Seal of Acceptance Requirements for Home-Use Tooth Bleaching Products be adopted.

E35/20. Resolved, that the CSA approves the addition of the following individuals to the CSA Consultant List for the 2020-2021 term:

- J. William Claytor, DDS, MAGD
- Elliot Hersh, DMD, MS, PhD
- Sharon Gordon, DDS, MPH, PhD

and be it further

Resolved, that the CSA approves the following individuals to serve on the expert panel for the development of the ADA Clinical Practice Guideline on the Management of Acute Dental Pain:

- Paul Moore, DMD, MS, PhD (Chair)
- Katie Suda, PharmD, MS, FCCP
- J. William Claytor, DDS, MAGD
- Elliot Hersh, DMD, MS, PhD
- Sharon Gordon, DDS, MPH, PhD
- Raymond Dionne, DDS, PhD (individual suggested by CSA)
- Tara Aghaloo, DDS, MD, PhD (individual suggested by CSA)

and be it further

Resolved, that each of the following agencies be requested to suggest an individual to serve on the expert panel for the development of the ADA Clinical Practice Guideline on the Management of Acute Dental Pain:

- U.S. Food and Drug Administration (FDA)
- Centers for Disease Control and Prevention (CDC)
- American Association of Oral and Maxillofacial Surgeons (AAOMS)

- American Association of Periodontology (AAP)
- American College of Emergency Physicians (ACEP)
- American Association of Endodontists (AAE)
- American Association of Pediatric Dentistry (AAPD)
- American Association of Public Health Dentistry (AAPHD)

STANDING REPORTS

Report of the CSA Chair: Dr. Bedran-Russo, CSA chair, reported on the Council’s priorities and projects in support of the ADA mission, and addressed how the COVID-19 pandemic has impacted the dental profession and dental students over the past year. She indicated that CSA subcommittee chairs will soon be contacted to arrange more periodic meetings in an effort to build stronger relationships/collaboration across CSA subcommittees.

Report of the Executive Director: Dr. O’Loughlin, executive director, ADA, delivered a presentation on the current ADA strategic plan (Common Ground 2020-2025), as well as ADA membership levels and the impact of COVID-19 on ADA operations and administration over the past year. She emphasized that diversity and inclusion are core values for the Association, and that a growing number of ADA members are women and clinicians from minority groups. She also recognized the ADA Seal of Acceptance Program for generating solid non-dues revenue growth in 2020.

Report of the Chief Executive Officer--ADA Science & Research Institute, LLC: Dr. Araujo provided an informational update on ADASRI programs and initiatives, and their alignment with the ADASRI mission of “improving lives through oral health, science and health.” He indicated that ADASRI staff developed over 60 publications and 17 peer-reviewed manuscripts in 2020, including the most-read *JADA* article published last year (“Estimating COVID-19 Prevalence and Infection Control Practices Among U.S. Dentists”).

Report of the Chair, ADASRI Board of Directors: Dr. Cohlma, chair, ADASRI Board of Directors, provided remarks on behalf of the ADASRI Board, noting that the current CSA chair participates as a member of the ADASRI Board. He provided an overview of the ADASRI Board’s responsibility assignment matrix (also known as a “RACI” [Responsible, Accountable, Consulted, Informed] matrix), which delineates the roles of the Board, CSA, and ADASRI departments in addressing projects that are planned for completion.

SUBCOMMITTEE REPORTS

Report of the Standards Subcommittee: Dr. Park, chair, Standards Subcommittee, reported on recent meetings and recommendations from the subcommittee for Council consideration. The Council reviewed a Standards Subcommittee proposal to assign all Standards Subcommittee members as “observers” to various groups within the ADA Standards Committee on Dental Products (SCDP) to better inform Subcommittee members about SCDP activities and deliberations. The Council also reviewed a proposed list of priority topic areas for CSA involvement in dental standards through 2021. After discussion, the Council adopted the following resolutions:

03/21. Resolved, that that the Council authorizes the Standards Subcommittee chair to appoint Standards Subcommittee members as observers to various groups within the ADA Standards

Committee on Dental Products, in alignment with the priorities adopted each year for CSA involvement in dental standards.

04/21. Resolved, that that the Council adopts the following list of 2020-2021 priorities for CSA involvement in dental standards:

- Analytic methods for oral care products
- Biologic evaluation of dental products
- CAD/CAM
- Corrosion test methods
- Dental amalgam
- Dental ceramics
- Dental handpieces
- Dental instruments
- Fluoride-containing products
- Non-fluoride oral rinses
- Polymer-based restorative materials
- Powered polymerization activators
- Reprocessing of dental products

Report of the Seal Subcommittee: Dr. Spomer, senior director, Research and Laboratories, provided an informational report from the CSA Seal Subcommittee on behalf of the Subcommittee chair, Dr. Parth Madurantakam. According to Dr. Spomer, the Seal Subcommittee updated three sets of Acceptance Program requirements in summer/fall 2020 (presented in resolutions E23/20, E33/20, and E34/20 in the “Resolutions Adopted by E-ballot” section of these minutes). The Seal Program provided information virtually through online portals at the ADA 2020 virtual meeting and the annual meeting of the American Dental Hygienists’ Association (ADHA). She also discussed the innovation process that the Seal of Acceptance Program underwent from 2015-2020 to increase the program’s relevance with manufacturers, including development of consumer-friendly ADA Seal statements for oral care product packaging.

Report of ACE Panel Oversight Subcommittee: Dr. Frazier, chair, ACE Panel Oversight Subcommittee, reported on recent Subcommittee activities and ACE Panel reports published in late 2020 and early 2021. He noted that two ACE Panel reports from last year addressed HPV vaccination and dental curing lights, and two recent ACE Panel reports presented clinical perspectives on zirconia restorations and cementing or bonding crowns and bridges with resin cement. He also reviewed findings from a recent ACE Panel satisfaction survey, which provided suggestions for improving response rates from ACE panelists, formatting suggestions for ACE Panel reports, and proposed topic areas for future ACE Panel surveys in 2021-2022.

Report of the Clinical Excellence (CE) Subcommittee: Dr. Mascarenhas, chair, CE Subcommittee, provided an overview of current Subcommittee projects and activities, including: continued development of a clinical practice guideline series on caries management; and an FDA grant-supported project to develop an evidence-based clinical practice guideline for the management of acute dental pain. She noted that the Subcommittee provides advisory support for reviewing select content and metrics for *Oral Health Topics* pages on ADA.org, which drew well over one million visits in 2020.

WORKGROUP REPORTS

Report of the Caries Risk Assessment Workgroup: Dr. Mascarenhas, member, Caries Risk Assessment Workgroup, presented recommendations from this CSA Workgroup, which was established in 2020 to review the ADA's current caries risk assessment forms (for children age 6 and under, and individuals age 6 and older), and provide recommendations on the future of these forms for CSA review.

The Council considered preliminary recommendations from the Workgroup, and recommended exploring the extent to which the ADA Caries Risk Assessment Forms can be revised within the context of current CSA projects. The Council adopted the following resolution:

05/21. Resolved, that the Council recommends that the Clinical Excellence Subcommittee work with ADASRI staff to produce a feasibility study related to the update of the 2011 ADA Caries Risk Assessment Forms for children age 6 and under and individuals age 6 and older, with an update to the Council in June 2021.

Report of the Periodontal Disease Workgroup: Dr. Ioannidou, chair, Periodontal Disease Workgroup, reported on the Workgroup's efforts to review an endorsement request from the American Academy of Periodontology regarding the *2018 Classification of Periodontal and Peri-Implant Diseases and Conditions*. The Workgroup conducted this review to address AAP's request in response to CSA resolution 23/20, which directed the Workgroup to review the 2018 classification system and develop recommendations regarding the endorsement request for CSA review at its January 2021 meeting. The Council discussed the Workgroup's recommendations in a closed session. In open session, the Council adopted the following resolution by ballot:

08/21. Resolved, that the Council on Scientific Affairs recommends that the American Dental Association endorse the *2018 Classification of Periodontal and Peri-Implant Diseases and Conditions*, as presented at the January 27-28, 2021 Council meeting.

Without objection, it was noted that the recommendation would be transmitted to the ADA Board of Trustees.

RESPONSE TO ASSIGNMENTS FROM BOARD OF TRUSTEES AND HOUSE OF DELEGATES

Resolution 21H-2020 – Feasibility of Assessing the Role of Dental Health in the Management of Diseases and Medical Conditions: The Council reviewed background information pertaining to Resolution 21H-2020, which established new ADA Policy on Optimizing Dental Health Prior to Surgical/Medical Procedures and Treatments. Resolution 21H-2020 also called for "the appropriate ADA agency [to] consider the feasibility of assessing the role of dental health in the management of diseases and medical conditions." This resolution was assigned to CSA as lead agency for report to the 2021 House of Delegates.

Dr. Mascarenhas presented the Subcommittee's recommendation regarding Resolution 21H-2020 and in relation to CSA's research efforts on a related House resolution (Resolution 86H-2016). According to Dr. Mascarenhas, in previous, related research efforts addressing Resolution 86H-2016, the Subcommittee found very limited evidence supporting strategies, interventions, or treatments optimizing oral health prior

to the performance of complex medical and surgical procedures; nor in the management of several of the diseases listed.

The Council reviewed the Subcommittee's conclusion and agreed that randomized clinical trials and observational studies addressing this topic area are scarce, and the evidence base is not sufficient for conducting systematic reviews or developing a viable evidence-based deliverable, including any type of review to support policy and inform practice. The Council adopted the following resolution:

06/21. Resolved, that a report be submitted to the 2021 House of Delegates in response to Resolution 21-2020 that there currently is insufficient evidence to support the development of an evidence-based deliverable addressing the role of dental health in the management of diseases and medical conditions.

Update on Resolution 109-2020 – ADA Policy on Tooth Gems and Jewelry: Dr. Mascarenhas also reported on Resolution 109-2020, which was included on the 2020 Referral Consent calendar, and which requested that “appropriate ADA agencies recommend a policy on tooth gems and jewelry to the 2021 House of Delegates.” The Council considered the Subcommittee’s recommendation to integrate considerations regarding tooth gems and oral jewelry within an existing ADA Policy on Intraoral/Perioral Piercing and Tongue Splitting. The Council’s review of this Subcommittee recommendation is presented in a separate agenda item (see section titled “Review of Policy Statement on Intraoral/Perioral Piercing and Tongue Splitting” on the following page).

Update on Resolution 72H-2020 – Modifying the Existing Medicare Dental Coverage: The Council was informed that the CE Subcommittee will develop recommendations in response to this resolution from the 2020 House of Delegates, to be presented to the Council at the June 2021 meeting.

Update on Resolution 75-2020 – Elder Care Strategies on Research: The Council was informed that, in winter/spring 2021, the CE Subcommittee will develop recommendations in response to this resolution from the 2020 House of Delegates to be presented to the Council at the June 2021 meeting.

Update on Resolution 1H-2013 – Plans for CSA Self-Assessment in 2021: In accordance with Resolution 1H-2013, ADA councils and commissions are required to conduct a thorough self-assessment on a five-year rotating schedule. To provide oversight for the development of a CSA self-assessment this year, the Council reviewed a proposal from the CSA chair to establish an ad hoc workgroup that would facilitate conducting the self-assessment process and compile a draft self-assessment by spring 2021. The Council adopted the following resolution:

07/21. Resolved, that the CSA chair appoint an ad hoc workgroup of no more than seven current or former CSA members to oversee the development, performance, and compilation of a draft 2021 CSA Self-Assessment; and be it further

Resolved, that the ad hoc workgroup report the draft 2021 CSA Self-Assessment to the Council for consideration at the June 2021 CSA meeting.

SPECIAL ITEMS OF BUSINESS

Elder Care and the CSA –

Report from the Elder Care Task Force: Dr. Cesar Sabates, president-elect, ADA, and Dr. David Preble, senior vice president, ADA Practice Institute, provided background information on reports

developed by an Elder Care Task Force in 2020 and several elder care-related resolutions adopted by the 2020 House of Delegates. According to Dr. Preble, two of the elder care-related resolutions-- Resolution 72H-2020, Modifying the Existing Medicare Dental Coverage: Statutory Dental Exclusion; and Resolution 75-2020, Elder Care Strategies on Research—were assigned to various ADA agencies, including CSA, to determine next steps. The Council was notified that the CE Subcommittee has been asked to review the two House resolutions pertaining to elder care (as described above), and will prepare recommendations for full Council review at the June 2021 CSA meeting.

Update on Revision of the 2012 ADA/FDA Guidance Document, “Dental Radiographic Examinations: Recommendations for Patient Selection and Limiting Radiation Exposure:” Dr. Mascarenhas provided a status report on an ongoing project to revise the 2012 ADA/FDA Guidance Document, “Dental Radiographic Examinations: Recommendations for Patient Selection and Limiting Radiation Exposure.” She indicated that the CE subcommittee would be developing an e-ballot that would soon be issued to the full Council in order to appoint a guideline panel and an expert consultant group that will work to develop an updated clinical practice guideline on dental radiography and cone beam CT imaging.

Discussion on Format of CSA E-ballots: The CSA Chair requested Council input on the current voting process for CSA e-ballots, and members discussed their preferences regarding when e-ballots should be conducted as open votes or as secret ballots on ADA Connect.

Introduction of JADA Editors: The Council met with Dr. J. Timothy Wright, editor-in-chief of *JADA*, Dr. Jack Ferracane, editor-in-chief, *JADA Foundational Science*, and Ms. Michelle Hoffman, vice president, Publishing Division. Drs. Wright and Ferracane are new to their roles, and provided brief introductions on their background, and their vision for their respective publications. The Council was provided basic information on *JADA Foundational Science*, a new, open-access journal that will support basic science on oral health in a way that reaches general clinicians. Dr. Wright and Dr. Ferracane indicated that they are currently assembling new editorial boards for their respective journals and developing plans to address clinical issues and some non-mainstream topics in future article submissions.

REVIEW OF ADA POLICY

Review of Policy Statement on Intraoral/Perioral Piercing and Tongue Splitting: Dr. Mascarenhas presented a proposal from the Subcommittee to recommend revision of the 2016 ADA Policy on Intraoral/Perioral Piercing and Tongue Splitting (*Trans.*1996:743; 2000:481; 2004:309; 2012:469; 2016:300) to include information on tooth gems and jewelry (as part of the regular policy review process, and in partial fulfillment of Resolution 109-2020).

As noted in “Update on Resolution 109-2020: ADA Policy on Tooth Gems and Jewelry”, the CE Subcommittee recommended that the Council consider amending the scope of the ADA Policy on Intraoral/Perioral Piercing and Tongue Splitting to incorporate the concerns raised in Resolution 109-2020 about tooth gems/jewelry. The existing policy is as follows:

Policy Statement on Intraoral/Perioral Piercing and Tongue Splitting (Trans.1998:743; 2000:481; 2004:309; 2012:469; 2016:300)

Resolved, that the American Dental Association advises against the practices of cosmetic intraoral/perioral piercing and tongue splitting, and views these as invasive procedures with negative health sequelae that outweigh any potential benefit.

The Council proposed amendments to the original draft language recommended by the Clinical Excellence Subcommittee, including revisions to clarify the policy's messaging for the general public. The Council adopted updates to the existing policy, as amended, via the following resolution:

09/21. Resolved, that the following revisions to the 2016 policy statement be recommended to the 2021 House of Delegates (proposed additions underlined; deletions ~~struck through~~):

ADA Policy Statement on Intraoral/Perioral Piercing, Tooth Gems/Jewelry and Tongue Splitting

Resolved, that the American Dental Association advises against the practices of cosmetic intraoral/perioral piercing, tooth gems/jewelry, and tongue splitting, ~~and views these as invasive procedures~~ due to the increased risk of negative health outcomes. ~~sequelae that outweigh any potential benefit.~~

LIAISON ACTIVITIES

Report from the National Institute of Dental and Craniofacial Research: Dr. Rena D'Souza, director, National Institute of Dental and Craniofacial Research (NIDCR), presented a report on NIDCR's budget for intramural and extramural research funding in 2021. As the new director of NIDCR, she also introduced herself, her background, and her vision for NIDCR. She expressed her commitment to mentoring the next generation of researchers and promoting diversity and inclusion across the research workforce. She also discussed NIDCR-funded research on the oral infection axis in the pathogenesis of SARS-CoV-2, effects of SARS CoV-2 on the senses of taste and smell, and data science studies supported by artificial intelligence to improve treatment of oral diseases with greater predictive ability.

CLOSED SESSION

A closed session was held to discuss an endorsement request from the American Academy of Periodontology regarding the *2018 Classification of Periodontal and Peri-Implant Diseases and Conditions*. The detailed minutes of the closed session are separately recorded. However, any non-confidential portions are recorded in the minutes.

ADJOURNMENT

The meeting adjourned at 4:48 p.m. on Thursday, January 28, 2021.