Wednesday

Poster Session

11:30 a.m. – 1:00 p.m.  **G1**  Forensic Odontology—Where We’ve Been, Where We Are, and Where We Are Going: Part 2  
David Williams, DDS*

11:30 a.m. – 1:00 p.m.  **G2**  Deaths After Tooth Extraction and Treatment in the Dentist’s Office in Turkey  
Huseyin Afsin, PhD*; Gulnaz Javan, PhD

11:30 a.m. – 1:00 p.m.  **G3**  Dental Evidence of the Human Remains of a Slavic Soldier Population Deported to Concentration Camps During World War II  
Federica Mele, MD*; Antonio De Donno, MD; Sara Sablone, MD; Mariagrazia Calvano, MD; Mirko Leonardelli, MD; Stefano Duma, MD; Enrica Macarano, MD, PhD; Valeria Santoro, PhD; Francesco Introna, MD

11:30 a.m. – 1:00 p.m.  **G4**  Dental Injuries During General Anesthesia: Risk Management and Forensic Perspectives  
Emilio Nuzzolese, DDS, PhD*; Giulio L. Rosboch, MD; Fabio Innocenzi, MD; Davide Santovito, MD; Francesco Lupariello, MD

Thursday

Dental Identification

**Moderator:**  
Angela Gum, DDS  
Columbus, OH

8:30 a.m. - 8:45 a.m.  **G5**  The Role of Charting Dental Anomalies in Human Identification  
Jayapriya Jayakumar, BDS, MSc*; Scheila Manica, DDS, MSc, PhD

8:45 a.m. – 9:00 a.m.  **G6**  Smile Selfie Images in Forensic Dental Identification: A Novel Procedure Proposal  
Hugues Grégoir, DDS; Anna Ravera, DDS; Emilio Nuzzolese, PhD*

9:00 a.m. – 9:20 a.m.  **G7**  Computer-Aided Dental Identification Using Intra-Oral Scanning Techniques  
Lise Malfrøy Camine, DDS, MSc*; Aimé Conigliaro, MSc; Gilles Amador Del Calle, DDS, PhD

9:20 a.m. – 9:40 a.m.  **G8**  A Catastrophic Bus Crash in Hungary—Another Disaster Victim Identification (DVI) Operation  
Ajang Armin Farid, DMD*

9:40 a.m. – 10:00 a.m. **BREAK**

10:00 a.m. – 10:20 a.m.  **G9**  Dental Identification in a Case of Purposeful Commingling of Remains by a Toronto Serial Killer Operating in the Gay Community of Toronto, 2010–2017: The Bruce McArthur Case  
Taylor Gardner, BFS; Yolanda Nerkowski, BA; Robert E. Wood, DDS, MSc, PhD*

10:20 a.m. – 10:40 a.m.  **G10**  The Digitalization of Dental Arcades in Forensic Dentistry  
Nelson Freitas, MS*; Silvia Nuñez, PhD; Daniel Magalhães, PhD

All times are in the U.S. Pacific Time Zone
10:40 a.m. – 11:00 a.m.  **G11**  Second Expert Opinion in Human Identification Through a Virtual, Digital, and Remote Dental Autopsy
Emilio Nuzzolese, DDS, PhD*; Ymelda Wendy Velezmoro Montes, BDS; Wassim Rihawi, BDS; Khalid Mohamed Khalid, BDS, MSc; Jayasankar Pillai, BDS; BaigMirza Humayoun Temoor, BDS, MSc; Hemlata Pandey, PhD

11:00 a.m. – 11:20 a.m.  **G12**  Identification Via a Digital 3D-Simulated Dental Cast: A Case Report
John Nase, DDS*; Christina VandePol, MD

11:20 a.m. – 11:40 a.m.  **G13**  How Scientific Evidence Can Lead to Human Identification Without a Corpse
Luciene Corradi, MS*

11:40 a.m. – 1:00 p.m.  **BREAK**

**Poster Session**

11:30 a.m. – 1:00 p.m.  **G14**  The Role of Dental Pathologies, Anomalies, and Restorations in Forensic Identifications: Its Application to Ajnala Dental Remains
Jagmahender Singh Sehrawat, PhD*; Priyanshi Sood, MSc

11:30 a.m. – 1:00 p.m.  **G15**  Odontology Forensic Identification in the Case of a Flash Fire Death
Massimiliano Esposito, MD*; Lucio Di Mauro, MD; Giuseppe Cocimano, MD; Andrea Failla, MD; Edmondo Scoto, MD; Angelo Montana, MD

11:30 a.m. – 1:00 p.m.  **G16**  Dental Hygiene Students’ Matching Accuracy When Comparing Antemortem Dental Radiographs and Oral Photos to Simulated Postmortem WinID3® Records
Brenda Bradshaw, MS*; Emily Ludwig, MS; Amber Hunt, MS; Tara Newcomb, MS

11:30 a.m. – 1:00 p.m.  **G17**  Histological and Elemental Markers in Teeth Help Reconstruct Decedent-Specific Lived Experiences
Paola Cerrito, MPhil*; Bin Hu, MD; Rachel Kalisher; Shara Bailey, PhD; Timothy Bromage, PhD

**Dental Age Assessment**

*Moderator:*
Lisa Marin, DMD, MD
Valdosta, GA

1:00 p.m. – 1:20 p.m.  **G18**  The Use of Computer Image Recognition and Interpretation Software (CIRIS) for Automation of Dental Age Assessment: An Update
Kaiming Xu, BSc; Kenneth Aschheim, DDS*; Sakher AlQahtani, PhD; Arie Nakhmani, PhD; Allen Tannenbaum, PhD

1:20 p.m. – 1:40 p.m.  **G19**  WITHDRAWN

1:40 p.m. – 2:00 p.m.  **G20**  WITHDRAWN
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<th>Time</th>
<th>Session</th>
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<tr>
<td>2:00 p.m.</td>
<td>G21</td>
<td>Deep-Learning-Based Age Estimation From Panoramic Radiographs: Unraveling the Learning Process</td>
<td>Yung-Hsuan Fang, MSc, DDS*; Laurens Ghyselen, MSc; Jeroen Bertels, MSc; Jannick De Tobel, PhD, MD; Dirk Vandermeulen, PhD, MSc; Patrick Thevissen, PhD, DMD</td>
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<td>2:20 p.m.</td>
<td>G22</td>
<td>Age Estimation Using Third Molar Maturation Based on Demirjian's Criteria</td>
<td>Tanuj Kanchan, MD*; Vinay Chugh, MDS; Chugh Ankita, MDS; Vikas Meshram, MD; Rutwik Shedge, MSc; Arun Patnana MDS; Kewal Krishan, PhD</td>
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<td>2:40 p.m.</td>
<td>Break</td>
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<td>3:00 p.m.</td>
<td>G23</td>
<td>Magnetic Resonance Imaging for Multi-Factorial Age Estimation Using a Bayesian Approach: A Validation Study in Two Independent Samples</td>
<td>Heleen Coreelman, MSc*; Patrick W. Thevissen, PhD; Thomas Widek, PhD; Martin Urschler, PhD; Elke Hillevig, MSc; Steffen Fieuws, PhD; Koenraad L. Verstraete, PhD; Jannick De Tobel, PhD</td>
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<td>3:20 p.m.</td>
<td>G24</td>
<td>Ethnic Variations in the Development of Third Molars Between Chinese and Hispanic Children and Adolescents</td>
<td>Jayakumar Jayaraman, PhD, MDS*</td>
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<td>3:40 p.m.</td>
<td>G25</td>
<td>The Reproducibility of Third Molar Development Stage Allocation on Panoramic Radiographs and Cone Beam Computed Tomographs (CBCT): Comparing Imaging Modalities, Observer Experience, and Observer Calibration</td>
<td>Ahmad Rabah, MSc, DDS*; Mustafa Hayder, MSc, BDS; Dana Ahmed, MSc, BDS; Aspalilah Alias, PhD, DDS; Steffen Fieuws, PhD, MSc; Maximilian Timme, MD, DMD; Patrick Thevissen, PhD, DMD; Jannick De Tobel, PhD</td>
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<td>4:00 p.m.</td>
<td>G26</td>
<td>Finding John “Little Zion” Doe: When the Science of Forensic Dentistry Proves Itself Above Rational Thinking</td>
<td>Grace Chung, DDS*</td>
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**Friday**

**Tom Krauss Memorial Bitemarks Session**

*Moderator:*
Julie Wallace, DDS
Elk River, MN

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<td>9:00 a.m.</td>
<td>G27</td>
<td>Bitemarks That I Have Known</td>
<td>Peter Hampl, BS, DDS*</td>
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<td>9:30 a.m.</td>
<td>G28</td>
<td>The Crash of Flight IY 626: Bitemark Identification on Victims’ Bodies</td>
<td>Charles Georget, DDS*; Aime Conigliaro, MSc</td>
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<td>9:50 a.m.</td>
<td>G29</td>
<td>Bitemarks: Do They Still Exist?</td>
<td>Richard Fixott, DDS*</td>
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<td>10:10 a.m.</td>
<td>Break</td>
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10:30 a.m. – 10:50 a.m.  **G30**  Progress on a National Institute of Standards and Technology (NIST) Scientific Foundation Review Assessing Bitemark Analysis  
Kelly Sauerwein, PhD*; Christina Reed, MS; John Butler, Ph

10:50 a.m. – 11:10 a.m.  **G31**  Stress on Forensic Odontologists  
Wassim Rihawi, DDS*

11:10 a.m. – 11:30 a.m.  **G32**  Hot Off the Press—New Standards and Technical Reports in Forensic Odontology  
Kenneth Aschheim, DDS*; Kathleen Kasper, DDS; Raymond Miller, DDS

**Poster Session**

11:30 a.m. – 1:00 p.m.  **G33**  A Morphometric Analysis of Cone Beam Computed Tomography (CBCT) Images of the Mastoid Process for Sex Determination in the Adolescent Population  
Avni Bhula, DDS, MSc*; Ritu Tiwari, MDS; James Fancher, DDS, PhD; David Senn, DDS

11:30 a.m. – 1:00 p.m.  **G34**  WITHDRAWN

11:30 a.m. – 1:00 p.m.  **G35**  Let’s Only Use What Really Counts! A New Formula for Age-at-Death Assessment Using Root Translucency  
Joe Adserias-Garriga, DDS, PhD*; Anthony Lanfranchi, MS; Kristine Kortonick, MS; Douglas H. Ubelaker, PhD; Sara C. Zapico, MS, PhD

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