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*

**G2** Deaths After Tooth Extraction and Treatment in the Dentist’s Office in Turkey  
Huseyin Afsin, PhD; Gulnaz Javan, PhD*

**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 Macorano, MD, PhD; Valeria Santoro, PhD; Francesco Introna, MD

**G4** Dental Injuries During General Anesthesia: Risk Management and Forensic Perspectives  
Emilio Nuzzolese, 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*; Sheila 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 Malfroy 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
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| 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, PhD*; Ymelda Wendy Velezmoro Montes, BDS; Wassim Rihawi, BDS; Khalid Mohamed Khalid, BDS, MSc; Jayasankar Pillai, BDS; Baig Mirza Humayoun Temoor, BDS, MSc; Hemlata Pandey, MSc |
| 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 |
|                     | **G15** Odontology Forensic Identification in the Case of a Flash Fire Death  
Massimiliano Esposito, MD*; Lucia Di Mauro, MD; Giuseppe Cocimano, MD; Andrea Failla, MD; Edmondo Scoto, MD; Angela Montana, MD |
|                     | **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 |
|                     | **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** |                                                                 |
| 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** Ancestral Differences in Dental Development  
Graham Roberts, MDS*; Victoria Lucas, PhD |
| 1:40 p.m. – 2:00 p.m. | **G20** Accuracy and Precision in Dental Age Estimation  
Victoria Lucas, PhD*; Graham Roberts, MDS |
| 2:00 p.m. – 2:20 p.m. | **G21** Deep-Learning-Based Age Estimation From Panoramic Radiographs: Unraveling the Learning Process  
Yung-Hsuan Fang, MSc, DDS*; Laurens Ghyselen, MSc; Jeroen Bertels, MSc; Jannick De Tobel, PhD, MD; Dirk Vandermeulen, PhD, MSc; Patrick Thevissen, PhD, DMD |
Friday

Tom Krauss Memorial Bitemarks Session

Moderator:
Julie Wallace, DDS
Elk River, MN

9:00 a.m. – 9:30 a.m. G27 Bitemarks That I Have Known
Peter Hampl, BS, DDS*

9:30 a.m. - 9:50 a.m. G28 The Crash of Flight IY 626: Bitemark Identification on Victims’ Bodies
Charles Georget, DDS*; Aime Conigliaro, MSc

9:50 a.m. – 10:10 a.m. G29 Bitemarks: Do They Still Exist?
Richard Fixott, DDS*

10:10 a.m. - 10:30 a.m. BREAK

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, BDS, MDS; James Fancher, DDS, PhD; David Senn, DDS

**G34**  Forensic Anthropological Evaluation of Mandibular Remains and Included Furnishings

*Nicolina Palamone*; Antonio Della Valle; Angelica Zenato

**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