**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, DDS, PhD*; *Giulio L. Rosboch, MD*; *Fabio Innocenzi, MD*; *Davide Santovito, MD*; *Francesco Lupariello, MD*

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**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*

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 Canine, 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*
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 Velez-Morales Montes, BDS; Wassim Rihawi, BDS; Khalid Mohamed Khalid, BDS, MSc; Jayasankar Pillai, BDS; Baig Mirza 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

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; Angelo 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

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 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
Age Estimation Using Third Molar Maturation Based on Demirjian’s Criteria  
Tanuj Kanchan, MD*; Vinay Chugh, MDS; Chugh Ankita, MDS; Vikas Meshram, MD; Rutwik Shedge, MSc; Arun Patnana MDS; Kewal Krishan, PhD

G23  Magnetic Resonance Imaging for Multi-Factorial Age Estimation Using a Bayesian Approach: A Validation Study in Two Independent Samples  
Heleen Coreelman, MSc*; Patrick W. Thevissen, PhD; Thomas Widek, PhD; Martin Urschler, PhD; Elke Hillewig, MSc; Steffen Fieuws, PhD; Koenraad L. Verstraete, PhD; Jannick De Tobel, PhD

Ethnic Variations in the Development of Third Molars Between Chinese and Hispanic Children and Adolescents  
Jayakumar Jayaraman, PhD, MDS*

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  
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, MD

Finding John “Little Zion” Doe: When the Science of Forensic Dentistry Proves Itself Above Rational Thinking  
Grace Chung, DDS*

Friday

Tom Krauss Memorial Bitemarks Session

Moderator:
Julie Wallace, DDS
Elk River, MN

Bitemarks That I Have Known  
Peter Hampl, BS, DDS*

The Crash of Flight IY 626: Bitemark Identification on Victims’ Bodies  
Charles Georget, DDS*; Aime Conigliaro, MSc

Bitemarks: Do They Still Exist?  
Richard Fixott, DDS*

BREAK

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

Stress on Forensic Odontologists  
Wassim Rihawi, DDS*

Hot Off the Press—New Standards and Technical Reports in Forensic Odontology  
Kenneth Aschheim, DDS*; Kathleen Kasper, DDS; Raymond Miller, DDS
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*  

**G34**  Forensic Anthropological Evaluation of Mandibular Remains and Included Furnishings  
*Nicolina Palamone, DDS*; *Antonio Della Valle, DDS; Angelica Zenato, DDS*  

**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*