

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*

Thursday

Dental Identificaton

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 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*

- 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 Velezmore 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 p.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 Sehwat, PhD**; *Priyanshi Sood, MSc*
- 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*
- 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*

- 2:20 p.m. – 2:40 p.m. **G22** **Age Estimation Using Third Molar Maturation Based on Demirjian’s Criteria**
*Tanuj Kanchan, MD**; *Vinay Chugh, MDS*; *Chugh Ankita, MDS*; *Vikas Meshram, MD*;
Rutwik Shedje, MSc; *Arun Patnana MDS*; *Kewal Krishan, PhD*
- 2:40 p.m. – 3:00 p.m. **BREAK**
- 3:00 p.m. – 3:20 p.m. **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*
- 3:20 p.m. – 3:40 p.m. **G24** **Ethnic Variations in the Development of Third Molars Between Chinese and Hispanic Children and Adolescents**
*Jayakumar Jayaraman, PhD, MDS**
- 3:40 p.m. – 4:00 p.m. **G25** **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*
- 4:00 p.m. – 4:20 p.m. **G26** **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

- 9:00 a.m. – 9:30 a.m. **G27** **Bitemarks That I Have Known**
*Peter Hampf, 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, 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*