

## Wednesday

### Poster Session

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- 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 Identificaton

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*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*

10:40 a.m. – 11:00 a.m.	<b>G11</b>	<b>Second Expert Opinion in Human Identification Through a Virtual, Digital, and Remote Dental Autopsy</b> <i>Emilio Nuzzolese, PhD*</i> ; <i>Ymelda Wendy Velezmoro Montes, BDS</i> ; <i>Wassim Rihawi, BDS</i> ; <i>Khalid Mohamed Khalid, BDS, MSc</i> ; <i>Jayasankar Pillai, BDS</i> ; <i>Baig Mirza Humayoun Temoor, BDS, MSc</i> ; <i>Hemlata Pandey, MSc</i>
11:00 a.m. – 11:20 a.m.	<b>G12</b>	<b>Identification Via a Digital 3D-Simulated Dental Cast: A Case Report</b> <i>John Nase, DDS*</i> ; <i>Christina VandePol, MD</i>
11:20 p.m. – 11:40 a.m.	<b>G13</b>	<b>How Scientific Evidence Can Lead to Human Identification Without a Corpse</b> <i>Luciene Corradi, MS*</i>
11:40 a.m. – 1:00 p.m.		<b>BREAK</b>

## Poster Session

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11:30 a.m. – 1:00 p.m.	<b>G14</b>	<b>The Role of Dental Pathologies, Anomalies, and Restorations in Forensic Identifications: Its Application to Ajnala Dental Remains</b> <i>Jagmahender Singh Sehwat, PhD*</i> ; <i>Priyanshi Sood, MSc</i>
	<b>G15</b>	<b>Odontology Forensic Identification in the Case of a Flash Fire Death</b> <i>Massimiliano Esposito, MD*</i> ; <i>Lucio Di Mauro, MD</i> ; <i>Giuseppe Cocimano, MD</i> ; <i>Andrea Failla, MD</i> ; <i>Edmondo Scoto, MD</i> ; <i>Angelo Montana, MD</i>
	<b>G16</b>	<b>Dental Hygiene Students' Matching Accuracy When Comparing Antemortem Dental Radiographs and Oral Photos to Simulated Postmortem WinID3® Records</b> <i>Brenda Bradshaw, MS*</i> ; <i>Emily Ludwig, MS</i> ; <i>Amber Hunt, MS</i> ; <i>Tara Newcomb, MS</i>
	<b>G17</b>	<b>Histological and Elemental Markers in Teeth Help Reconstruct Decedent-Specific Lived Experiences</b> <i>Paola Cerrito, MPhil*</i> ; <i>Bin Hu, MD</i> ; <i>Rachel Kalisher</i> ; <i>Shara Bailey, PhD</i> ; <i>Timothy Bromage, PhD</i>

## Dental Age Assessment

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### Moderator:

Lisa Marin, DMD, MD  
Valdosta, GA

1:00 p.m. – 1:20 p.m.	<b>G18</b>	<b>The Use of Computer Image Recognition and Interpretation Software (CIRIS) for Automation of Dental Age Assessment: An Update</b> <i>Kaiming Xu, BSc</i> ; <i>Kenneth Aschheim, DDS*</i> ; <i>Sakher AlQahtani, PhD</i> ; <i>Arie Nakhmani, PhD</i> ; <i>Allen Tannenbaum, PhD</i>
1:20 p.m. – 1:40 p.m.	<b>G19</b>	<b>Ancestral Differences in Dental Development</b> <i>Graham Roberts, MDS*</i> ; <i>Victoria Lucas, PhD</i>
1:40 p.m. – 2:00 p.m.	<b>G20</b>	<b>Accuracy and Precision in Dental Age Estimation</b> <i>Victoria Lucas, PhD*</i> ; <i>Graham Roberts, MDS</i>
2:00 p.m. – 2:20 p.m.	<b>G21</b>	<b>Deep-Learning-Based Age Estimation From Panoramic Radiographs: Unraveling the Learning Process</b> <i>Yung-Hsuan Fang, MSc, DDS*</i> ; <i>Laurens Ghyselen, MSc</i> ; <i>Jeroen Bertels, MSc</i> ; <i>Jannick De Tobel, PhD, MD</i> ; <i>Dirk Vandermeulen, PhD, MSc</i> ; <i>Patrick Thevissen, PhD, DMD</i>

- 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

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*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

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- 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 Kortnick, MS; Douglas H. Ubelaker, PhD; Sara C. Zapico, MS, PhD*