**Wednesday**

**Poster Session**

11:30 a.m. - 1:00 p.m.  **G1**  
**Child Abuse and Neglect: A Forensic Odontological Approach**  
*Salem Altalie; Patrick W. Thevissen, PhD*

11:30 a.m. - 1:00 p.m.  **G2**  
**Forensic Odontology Education in Indonesia**  
*Nurtami Soedarsono, PhD*; *Masni Novita, PhD*; *Elza I. Auerkari, PhD*

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**Thursday**

**Thomas Krauss Memorial Bitemark Session**

**Moderator:** Emilio Nuzzolese, PhD  
**Dental Team DVI Italia**  
**Bari, ITALY**

**Co-Moderator:** Beverly Hedgepeth, DDS  
**Cookeville, TN**

8:30 a.m. - 9:00 a.m.  **G3**  
**A Review of the Published Research on the Use of Overlays for the Analysis of Bitemarks in Skin**  
*John P. Demas, DDS*

9:00 a.m. - 9:30 a.m.  **G4**  
**Bitemark Moratorium Part 1: Past Culture and Present Thinking**  
*Cynthia Brzozowski, DMD*; *Robert E. Wood, DDS, PhD*; *Franklin D. Wright, DMD*

9:30 a.m. - 10:00 a.m.  **G5**  
**Bitemark Moratorium Part 2: Moving Forward**  
*Cynthia Brzozowski, DMD*; *Robert E. Wood, DDS, PhD*; *Franklin D. Wright, DMD*

10:00 a.m. - 10:15 a.m.  **Break**

10:15 a.m. - 10:45 a.m.  **G6**  
**What We Can Learn From Cadaver, Volunteer, or Actual Case Material in the Analysis of Bitemark Evidence Using the Full Spectrum of Photographic Techniques**  
*Richard R. Souviron, DDS*

10:45 a.m. - 11:00 a.m.  **G7**  
**A Bitemark Case**  
*John Berketa, PhD*

11:00 a.m. - 11:15 a.m.  **G8**  
**From Gerontophilia to Fruit Biting: A Series of Bitemark Cases in Hungary**  
*Armin A. Farid, DMD*

11:15 a.m. - 1:00 p.m.  **Lunch**
**ODONTOLOGY**

**Poster Session**

11:30 a.m. - 1:00 p.m.  
**G9** The Impact of the First International Forensic Odontology in Human Rights Workshop in the United Arab Emirates  
Salem Altalie; Emilio Nuzzolese, PhD*; Joe Adserias-Garriga, DDS, PhD; Alexander S. Forrest, MDS

11:30 a.m. - 1:00 p.m.  
**G10** Analysis and Identification of Bitemarks in Forensic Casework: Child Sexual Abuse  
Carmen Silvia M. Miziara, MD, PhD*; Elaine S.N. Goto; Gabriela P. Ascani; Karen A.C. Fukuma; Thainá A. Marin; Daniela M. Abe*; Ivan D. Miziara, MD, PhD

**Dental Age Assessment**

**Moderator:** Marnie L. Sperling, DMD  
**Whippany, NJ**  
**Co-Moderator:** Mark D. Porco, DDS  
**Lincoln, CA**

1:00 p.m. - 1:30 p.m.  
**G11** Profiling an Unknown Castaway: “The Philly Cocoa Man”  
John B. Nase, DDS*

1:30 p.m. - 1:50 p.m.  
**G12** When a 70-Year-Old Mummified Baby Falls on Your Head: Collaboration in a Multidisciplinary Team  
Corinne D’Anjou, DMD*; Caroline Tanguay, MD*

1:50 p.m. - 2:05 p.m.  
**G13** Fetal Maceration and Dental Age  
Mark W. Crumpton, DMD*; James M. Lewis, DMD; Darinka Mileusnic, PhD, MD; Murray K. Marks, PhD

2:05 p.m. - 2:20 p.m.  
**G14** The Effects of Third Molar Impaction Parameters on Third Molar Development and Related Age Estimation  
Rosalina Intan Saputri, DDS, MSc*; Jannick De Tobel, MD; Patrick W. Thevissen, PhD

2:20 p.m. - 2:35 p.m.  
**G15** Age Estimation in Children and Subadults Combining Ratios of Pulp and Tooth Area With Tooth Development  
Manasa Ravoori, BDS*; Jannick De Tobel, MD; Patrick W. Thevissen, PhD

2:35 p.m. - 2:50 p.m.  
**G16** The Influence of Lower Third Molar Segmentations on Automated Tooth Development Staging Using a Convolutional Neural Network Approach  
Rizky Merdietio Boedi, MSc*; Nikolay Banar, MSc; Jannick De Tobel, MD; Jeroen Bertels, MSc; Dirk Vandermeulen, PhD; Patrick W. Thevissen, PhD

2:50 p.m. - 3:05 p.m.  
**Break**
Dental Age Assessment

Moderator: Marnie L. Sperling, DMD
Whippany, NJ

Co-Moderator: Mark D. Porco, DDS
Lincoln, CA

3:05 p.m. - 3:15 p.m.  G17 Age and Sex Estimation of Ajnala Skeletal Remains From Trace Elemental and Radiographic Analysis of Molar Teeth: A Comparative Forensic Odontological Study
Jagmehender Singh Sehrawat, PhD*

3:15 p.m. - 3:30 p.m.  G18 Magnetic Resonance Imaging (MRI) of Third Molars, Clavicles, and Wrists for Age Estimation: A Combined Bayesian Approach
Jannick De Tobel, MD*; Elke Hillewig, MSc; Ines Phlypo, DDS; Michiel B. de Haas, BSc; Mayonne Van Wijk, MSc; Steffen Fieuws; Koenraad L. Verstraete, PhD; Patrick W. Thevissen, PhD

3:30 p.m. - 3:45 p.m.  G19 The Use of Cone Beam Computed Tomography (CBCT) to Examine the Relationship Between Mandibular Bone Density and the Disappearance of the Clarity of Root Pulp Visibility (RPV) and Periodontal Ligament Visibility (PLV)
Victoria S. Lucas, PhD*; Fraser McDonald, PhD; Graham J. Roberts, MDS; Mark D. Viner, MSc

3:45 p.m. - 4:05 p.m.  G20 UT-Age 2018: An Updated Tool for Third Molar Development Age Assessment
Leigh-Ann Schuerman, DMD*; James M. Lewis, DMD; David R. Senn, DDS

4:05 p.m. - 4:35 p.m.  G21 The Dental Age Research London Information Group (DARLInG) Development of a Database of Dental and Related Data to Enable Logical Dental Age Estimation (DAE)
Graham J. Roberts, MDS*; Victoria S. Lucas, PhD; Fraser McDonald, PhD

Friday

Dental Imaging

Moderator: Kyle C. Tanaka, DDS
Lynwood, WA

Co-Moderator: Khlea Sumani, DMD
Zanesville, OH

8:30 a.m. - 9:30 a.m.  G22 Using Photoshop® for Odontology Doesn't Have to Bite
David Witzke, BA*

9:30 a.m. - 10:00 a.m.  G23 Digital Image Processing for the Forensic Dentist
James McGivney, DMD*

10:00 a.m. - 10:20 a.m.  G24 Improvements to Digitized Radiographic Images Using Adobe® Photoshop®
Robert E. Wood, DDS, PhD*; David Sweet O.C., DMD, PhD

10:20 a.m. - 10:35 a.m.  Break
Dental Identification

Moderator: Kyle C. Tanaka, DDS
Lynwood, WA
Co-Moderator: Khlea Sumani, DMD
Zanesville, OH

10:35 a.m. - 11:05 a.m.  G25  Digital Techniques for Dento-Facial Superimposition
John B. Nase, DDS*

11:05 a.m. - 11:20 a.m.  G26  Combining 3-Dimensional (3D) Technology With the Traditional 2-Dimensional (2D) Smiling Photographs to Aid in Accurate Forensic Dental Identification
Gowri V. Reesu, MSc*; Scheila Manica, PhD; Gavin F. Revie, PhD; Peter A. Mossey, PhD

11:20 a.m. - 11:35 a.m.  G27  The Prevalence of Morphological Variations of the Maxillary Sinus in Panoramic Radiographs of Caucasian Individuals
Ludovica Gorza, MSc*; Patrick W. Thevissen, PhD

11:35 a.m. - 1:00 p.m.  Lunch

Poster Session

11:30 a.m. - 1:00 p.m.  G28  WITHDRAWN

11:30 a.m. - 1:00 p.m.  G29  The Application of Discriminant and Regression Models Developed From Odontometrics of Known Molars for Sex Determination of Ajnala Skeletal Remains: A Forensic Odontological Study
Monika Singh, MSc*; Jagmahender Singh Sehrawat, PhD

Dental Identification

Moderator: Iris L. Shields, DDS
Bel Air, MD
Co-Moderator: Thomas V. Brady, DMD
Clinton, CT

1:00 p.m. - 1:15 p.m.  G30  When Arson Becomes Murder: Antemortem Records Fire the Identification Process
Randolph L. Mitchell, DMD*

1:15 p.m. - 1:30 p.m.  G31  The Mystery of the Unidentified Human Remains Found Wrapped in Dental Packing Tape and Its Dental Biography
Francesca Tarantino, MD*; Maricla Marrone, MD*; Stefania Lonero Baldassarra; Maria M. Lepore; Emilio Nuzzolese, PhD*

1:30 p.m. - 1:50 p.m.  G32  Dental Identification of Carbonized Victims in a 2015 Traffic Accident in France
Gwenola Drogou, DDS*; Charles E. George, PhD*; Aime Conigliaro, MSc*

1:50 p.m. - 2:10 p.m.  G33  WITHDRAWN

2:10 p.m. - 2:30 p.m.  G34  Dental Identification: An Important Thing—The Second Time Around
Jacqueline S. Reid, DDS*

2:30 p.m. - 2:45 p.m.  Break

*Presenting Author
Dental Identification

Moderator: Iris L. Shields, DDS
Bel Air, MD

2:45 p.m. - 3:00 p.m. G35 A Review of Postmortem Dental Radiographic Protocol for Emergency Responders in Individual to Mass Fatality Operations
Khlea Sumani, DMD*; Charles E. Berner, DDS

3:00 p.m. - 3:15 p.m. G36 A Cemetery Named the Mediterranean Sea: Best Practice in Human Identification
Francesco Sessa, MS*; Stefania C. Bello, MD; Giuseppe Bertozzi, MD;
Francesca Maglietta, MD; Emilio Nuzzolese, PhD*

3:15 p.m. - 3:30 p.m. G37 Not Your Typical Forensic Odontology Cases
John Berketa, PhD*

3:30 p.m. - 4:00 p.m. G38 The Art of Working in Reverse to Resolve a Dental Identification
Mary K. Shields, DMD*; Mark L. Bernstein, DDS

4:00 p.m. - 4:15 p.m. G39 The Need for a Complete Dental Autopsy of Unidentified Edentulous Human Remains
Emilio Nuzzolese, PhD*; Mario Torreggianti, DDS*; Gina R. Quaglione, MD

4:15 p.m. - 4:30 p.m. G40 A Review of Unconventional Points of Dental Identification at the Ontario Forensic Pathology Service: Thinking Outside the Viewbox
Yolanda Nerkowski, BA*; Robert E. Wood, DDS, PhD*; Taylor L. Gardner, BFSc*

4:30 p.m. - 4:45 p.m. G41 The Lethal Migrant Sea Route to Italy and the Nigerian Disaster Victim Identification (DVI) Operation
Antonello Crisci, MD; Emilio Nuzzolese, PhD*; Joe Adserias-Garriga, DDS, PhD*;
Margherita Neri, MD, PhD

*Presenting Author