



## 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\*; Masniari Novita, PhD; Elza I. Auerkari, PhD*

## 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

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## Poster Session

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- 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

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*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

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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**  
*Jagmahender Singh Schrawat, 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

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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**



# ODONTOLOGY

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## Dental Identification

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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

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- 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 Sehwat, PhD*

## Dental Identification

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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\*; Mariela 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. Georget, 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**



## Dental Identification

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

Co-Moderator: *Thomas V. Brady, DMD*  
*Clinton, CT*

- 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*