Wednesday

Poster Session

11:30 a.m. - 1:00 p.m.  G1  The Applicability of the “Dimodent” Sex Predictive Equation Assessed in a Senegalese Population
  Khalifa Dieng, DDS, PhD*; Sankoung Soumboundou*

11:30 a.m. - 1:00 p.m.  G2  A Case of Great East Japan Earthquake Human Remains for Which Digital Imaging Analysis of Dentures Helped in Identification
  Akiko Kumagi, DDS, PhD*; Mitsuru Izumisawa, PhD; Noriaki Takahashi, PhD; Yutaro Oyamada, PhD; Takuya Kobayashi, PhD

11:30 a.m. - 1:00 p.m.  G3  Should Facial Marks Created Because of Tooth Loss Be Considered as Hard Evidence?
  Huseyin Afsin, PhD*; Gulnaz T. Javan, PhD

Thursday

Dental Identification

Moderator:  Beverly Hedgepeth, DDS  Memphis, TN
Co-Moderator:  Julie Wallace, DDS  Elk River, MN

8:30 a.m. - 9:00 a.m.  G4  Paradise Lost: The Camp Fire
  Mark D. Porco, DDS*

9:00 a.m. - 9:20 a.m.  G5  National Crime Information Center (NCIC) Dental Coding: Washington State Patrol's Missing/Wanted and Unidentified Persons Unit (WSP/MUPU) Cold Case Hit
  Kyle C. Tanaka, DDS*; Gary L. Bell, DDS

9:20 a.m. - 9:35 a.m.  G6  Exhumed Remains: A Historic United Kingdom Case Review
  Camilla George, BDS*; Gaille MacKinnon, MSc

9:35 a.m. - 9:50 a.m.  G7  “Oscar”: The Final Chapter
  Warren D. Tewes, DDS*

9:50 a.m. - 10:10 a.m.  G8  The Drowning of 26 Koreans in the Danube in Budapest
  Armin A. Farid, DMD*

10:10 a.m. - 10:25 a.m.  Break

*Presenting Author
Dental Identification

Moderator: Susan J. Baker, DMD
Atlanta Laser Periodontics & Dental Implants
Norcross, GA

Co-Moderator: Brian J. Murphy, DDS

Mi Mort
Holly, MI

10:25 a.m. - 10:40 a.m.  G9  A Measurement of Morphological Features of Maxillary First Molar Crowns for Human Dental Identification
Ana M. Milheiro, PhD*; Cezar Capitaneanu, DMD, PhD; Emmy Shaheem, PhD; Steffen Fieuws; Patrick W. Thevissen, PhD

10:40 a.m. - 10:55 a.m.  G10  The Uniqueness of Human Teeth: A Systematic Review and Meta-Analysis
Cezar Capitaneanu, DMD, PhD*; Guy Willems, PhD; Patrick W. Thevissen, PhD

10:55 a.m. - 11:10 a.m.  G11  Sex Estimation Using Enamel and Dentin Proportions of Human Mandibular Canines
Zama Moosvi, MDS, MS*; Scheila Manica, PhD; Gavin F. Revie, PhD
(ESF Emerging Forensic Scientist Award Oral Presentation)

11:10 a.m. - 11:25 a.m.  G12  Sexual Dimorphism in Mandibles and Permanent Mandibular Canines in a Brazilian Population: A Pilot Study
Gabriel C. Dias*; Macelle V. Campos; Carolina P. Magalhães; Renata C.F. Campina; Jaciel B. Oliveira

11:25 a.m. - 11:40 a.m.  G13  Forensic Dental Identification: Using Computerized Tomographic (CT) Scans to Identify Human Remains
Iris L. Shields, DDS*; Patrick A. Murray, DDS

11:40 a.m. - 11:55 a.m.  G14  A Study of Non-Metric Dental Traits of a North Indian Population: Forensic Aspects
Kewal Krishan, PhD*; Sandeep Kaur, PhD

11:55 a.m. - 1:30 p.m.  Lunch

Poster Session

11:30 a.m. - 1:00 p.m.  G15  Hurricane Michael: The Role of the Forensic Odontologist
Lisa M. Hofstad, DMD*

11:30 a.m. - 1:00 p.m.  G16  The Incorporation of Both Community and Forensic Dentistry in the Child Abuse and Neglect Clinic in Turin, Italy
Emilio Nuzzolese, PhD; Elena Coppo, MD*; Francesco Lupariello, MD*; Caterina Bosco, MD; Luana Bonaccurso, MD; Ilaria Cavecchia, MD; Giancarlo Di Vella, MD, PhD*

11:30 a.m. - 1:00 p.m.  G17  A Forensic Age Estimation From the Pulp/Tooth Area Ratio (PTR) of the Canines: A Forensic Odontological Study
Jagmahender Singh Sehrawat, PhD*
## Dental Identification

**Moderator:** Mark W. Crumpton, DMD  
**Co-Moderator:** Jayakumar Jayaraman, PhD  
**Maryville, TN**  
**University of Texas Health School of Dentistry**  
**San Antonio, TX**

1:30 p.m. - 1:45 p.m.  
**G18 Fractalyse Software—The Analysis of the Trabecular Bone in Identification (The Continuation)**  
*Sylvain Desranleau, DMD*

1:45 p.m. - 2:00 p.m.  
**G19 An Innovative Approach to the Importation and Conversion of Antemortem (AM) Dental Data to Blockchain-Protected Forensic Data for Utilization in Disaster Victim Identification (DVI)**  
*Shada Alsalamah, PhD*; *Ala’a Alimam, BS*; *Ahad Alabdullatif, BS*; *Maram Alamri, BS*; *Miral Althaqeb, BS*; *Sara Alqahtani, BS*; *Kenneth W. Aschheim, DDS*; *Sakher J. Alqahtani, PhD*

2:00 p.m. - 2:30 p.m.  
**G20 The Identification of Skeletal Remains After Nearly Two Decades**  
*Robert C. Walcott, DDS*

2:30 p.m. - 2:45 p.m.  
**G21 The Odontologist Relationship With Medicolegal Death Investigators in the Setting of the Medical Examiner’s Office and Their Role in Obtaining Antemortem Dental Records for Identification**  
*Christen C. Eggers, MS*; *John A. Piakis, DDS*; *Leigh-Ann Schuerman, DMD*

2:45 p.m. - 3:00 p.m.  
**G22 The Performance of Forensic Craniofacial Identification in Surgically Altered Faces**  
*Petra Urbanová, PhD*; *Hana Elíasova, PhD*; *Tatjana Dostalova, MD, PhD*

3:00 p.m. - 3:30 p.m.  
**Break**

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## Dental Identification

**Moderator:** Tina R. Woods, DMD  
**Co-Moderator:** Huseyn Afsin, PhD  
**University of Mississippi Medical Center**  
**Jackson, MS**  
**Istanbul, TURKEY**

3:30 p.m. - 4:00 p.m.  
**G23 The Recent Identification of a World War II Canadian Soldier: A Multidisciplinary Teamwork Approach**  
*Melanie Dumas, DMD*; *Trenna M. Reeve, DMD*; *Sarah Locker, PhD*

4:00 p.m. - 4:20 p.m.  
**G24 Automated Identification From Dental Data (AutoIDD): A New Development in Digital Forensics**  
*Gowri V. Reesu*; *Brenainn D. Woodsend, BS*; *Sheila Manica, PhD*; *Gavin F. Revie, PhD*; *Peter A. Mossey, PhD*; *Nathan L. Brown, PhD*  
(FSF Emerging Forensic Scientist Award Oral Presentation)

4:20 p.m. - 4:35 p.m.  
**G25 Helpful Hints for a Variety of Dental Autopsy Situations and a Compilation of “Interesting” Cases**  
*Veronique F. Delattre, DDS*

4:35 p.m. - 4:50 p.m.  
**G26 A Dental Malpractice Case Involving a Potentially Broken Dental Bur**  
*Cheri Lewis, DDS*

*Presenting Author*
**Friday**

**Dental Age Assessment**

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| 8:30 a.m. - 9:00 a.m. | Thresholding Adulthood: What Are We Doing? 
James F. Goodrich, FFOMP* |
| 9:00 a.m. - 9:20 a.m. | Method Differences, Population Differences, or Examiner Differences: Which Affects the Age Estimation the Most? 
Sakher J. AlQahtani, PhD* |
| 9:20 a.m. - 9:40 a.m. | Forensic Age Estimation Based on the London Atlas of Human Tooth Development and Eruption Assessment in a Population With Systemic Disorders: A Pilot Study 
Cristiana M.P. Pereira, PhD*; Lucianna P. Russell, MD; Maria Pádua, DDS; Ricardov H.A. Silva, PhD; Rui Filipe Vargas de Sousa Santos, PhD |
| 9:40 a.m. - 9:55 a.m. | Dental Age and Odds Probability at the 18-Year Threshold 
Graham J. Roberts, MDS*; Fraser McDonald, PhD; Fiona Warburton, MS; Victoria S. Lucas, PhD* |
| 9:55 a.m. - 10:15 a.m. | Calculating the Standard Deviation: An Innovative Approach for Utilizing Historical Databases 
Sakher J. AlQahtani, PhD*; Kenneth W. Aschheim, DDS* |
| 10:15 a.m. - 10:30 a.m. | Break |

**Dental Age Assessment**

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| 10:30 a.m. - 10:45 a.m. | Third Molar Development in Caucasian and Chinese Populations and Its Implication in Dental Age Estimation 
Jayakumar Jayaraman, PhD*; Graham J. Roberts, MDS |
| 10:45 a.m. - 11:00 a.m. | Minimum Values for Mandibular Maturity Markers 
Victoria S. Lucas, PhD*; Fraser McDonald, PhD; Graham J. Roberts, MDS |
| 11:00 a.m. - 11:20 a.m. | Demirjian 2.0 
Corinne D’Anjou, DMD*; Derek M. Draft, DDS*; Arto Demirjian, DMD; Sigrid I. Kvaal; Normand Bach, DMD |
| 11:20 a.m. - 11:35 a.m. | A Comparison of Dental Age Estimations From Two Radiographic Methods of Metric Analysis in North Indian Young Adults 
Deeksha Sankhyan; Jagmahender Singh Sehrawat, PhD* |

*Presenting Author
**ODONTOLOGY**

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| 11:35 a.m. - 11:50 a.m. | **G36** Dental Development in a London Population of Diverse Ethnicity  
Sally E. Andrews, MS*; Graham J. Roberts, MDS; Fraser McDonald, PhD; Pat Set, FRCR; Fiona Gilbert, FRCR |
| 11:50 a.m. - 12:00 p.m. | **Discussion**                             |
| 12:00 p.m. - 1:45 p.m. | **Lunch**                                  |

**Poster Session**

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| 11:30 a.m. - 1:00 p.m. | **G37** An Analysis of a Dental Prosthesis Technique in Korean War Casualties  
Seoeun Oh*; Hyejin Lee; Seokdong Oh; Kyoungmin Koh; Yu Ryang Jang, PhD |
| 11:30 a.m. - 1:00 p.m. | **G38** The Advantages and Limitations of Various Dental Age Estimation Methods in Forensic Odontology: A Systematic Review  
Jagmahender Singh Sehrawat, PhD* |
| 11:30 a.m. - 1:00 p.m. | **G39** Disaster Victims Identification (DVI) Using Digital Radiology: A Case Report of a Brumadinho Victim Identification by the Dental Comparative Method  
Sandra G.G. da Silva*; Luciene M. Corradi, MS; Denise V. Travassos (FSF Emerging Forensic Scientist Award Poster Presentation) |

**Dental Age Assessment**

*Moderator:* Grace Chung, DDS  
Clark County Office of Coroner/Medical Examiner  
Las Vegas, NV

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| 1:45 p.m. - 2:00 p.m. | **G40** A Data-Driven Process, Prediction, and Reporting Model to Improve Human Identification Using the Mobile Application Intelligent System in Automation of Legitimated Examination Methods (iSALEM)  
Salem Altalie, FACLM* |
| 2:00 p.m. - 2:15 p.m. | **G41** The Estimation of Sex From Dental Arch Dimensions: An Odontometric Analysis  
Tanuj Kanchan, MD*; Rutwik D. Shedge, MSc; Vinay Kumar Chugh, MDS; Ankita Chugh, MDS |
| 2:15 p.m. - 2:30 p.m. | **G42** Cementum Annuli: Technique, Microscopy, and Assessment of Age  
Michael Clay, DMD*; Murray K. Marks, PhD; James M. Lewis, DMD; Paula C. Brumit, DDS |
| 2:30 p.m. - 2:45 p.m. | **G43** Morphological Examinations of the Teeth and Jaw Fragments Retrieved From an Ajnala Skeletal Assemblage: A Forensic Odontological Study  
Jagmahender Singh Sehrawat, PhD*; Ashith B. Acharya, GDO (FSF Emerging Forensic Scientist Award Oral Presentation) |
| 2:45 p.m. - 3:00 p.m. | **Break**                                  |

*Presenting Author*
**ODONTOLOGY**

**Thomas Krauss Memorial Bitemark Session**

**Moderator:** Roland G. Chew, DDS  
Fremont, CA

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<tr>
<td>3:00 p.m. -</td>
<td>G44</td>
<td>The Importance of Bitemarks in Child Abuse Cases in Turkey</td>
<td>Huseyin Afsin, PhD*; Sermet Koc; Gulnaz T. Javan, PhD</td>
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<td>3:15 p.m. -</td>
<td>G45</td>
<td>A 3D Analysis of Bitemarks: A Validation Study Using an Intraoral Scanner</td>
<td>Géromine Fournier, DDS*; Frederic Savall; Norbert Telmon, PhD; Delphine Maret, PhD</td>
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<td>3:30 p.m. -</td>
<td>G46</td>
<td>3D Dental Digital Study Models in Bitemark Comparison</td>
<td>Robert B.J. Dorion, DDS*</td>
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<td>3:50 p.m. -</td>
<td>G47</td>
<td>Non-Bitemarks That I Have Known</td>
<td>Robert E. Wood, DDS, PhD*; Yolanda Nerkowski, BA*; Taylor L. Gardner, BFS*</td>
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<td>4:05 p.m. -</td>
<td>G48</td>
<td>A Historic Perspective of Bitemark Analysis and Bitemark Comparison</td>
<td>Robert B.J. Dorion, DDS*</td>
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