

# ODONTOLOGY

## Thursday

### Poster Session

11:30 AM – 1:00 PM	<b>H1</b>	<b>A Pilot Study on Postmortem Determination of Drug Abuse on Dental Tissues</b> <i>Ilenia Bianchi, DMD*</i> ; <i>Marta Cippitelli, PhD</i> ; <i>Erika Buratti, PhD</i> ; <i>Gianmario Mietti, PhD</i> ; <i>Alice Cerioni, PhD</i> ; <i>Roberto Scendoni, PhD</i> ; <i>Rino Froidi, MSc</i> ; <i>Vilma Pinchi, PhD</i> ; <i>Mariano Cingolani, MD, MSc</i> (FSF Emerging Forensic Scientist Award Poster Presentation)
11:30 AM – 1:00 PM	<b>H2</b>	<b>An Overview and Evaluation of Forensic Dentistry Cases With Trauma Damage and Bone Fractures</b> <i>Huseyin Afsin</i> ; <i>Gulnaz T. Javan, PhD*</i>
11:30 AM – 1:00 PM	<b>H3</b>	<b>Justice for the Vanished but Not Missing</b> <i>Elizabeth Ruth Smith, DDS*</i>
11:30 AM – 1:00 PM	<b>H4</b>	<b>A Picture Reveals the Truth!</b> <i>Megha Shah, DDS*</i>
11:30 AM – 1:00 PM	<b>H5</b>	<b>Postmortem Histological Changes of Dental Pulp for Postmortem Interval Estimation: A Pilot Study</b> <i>Ilenia Bianchi, DMD*</i> ; <i>Ana Margarida Rodrigues, MSc</i> ; <i>Diana Augusto, MSc</i> ; <i>João Aquino, PhD</i> ; <i>Isabel Fonseca, MD, PhD</i> ; <i>Vilma Pinchi, PhD</i> ; <i>Cristiana Palmela Pereira, MSc</i> ; <i>PhD</i> (FSF Emerging Forensic Scientist Award Poster Presentation)
11:30 AM – 1:00 PM	<b>H6</b>	<b>The Forensic Anthropological Significance of Dental Calculus Deposits as Proxy for Identity of the Host and the Oral Microbiota: A Systematic Review</b> <i>Jagmahender Sehrawat, PhD*</i> ; <i>Niraj Rai, PhD</i>
11:30 AM – 1:00 PM	<b>H7</b>	<b>The Use of the Disaster Victim Identification (DVI) Method for a Mass Casualty Bus Crash in Manitoba, Canada</b> <i>Noriko B. Boorberg, DMD, MEd*</i> ; <i>Trenna Reeve, DMD</i> ; <i>Carla Penner, DDS</i>
11:30 AM – 1:00 PM	<b>H8</b>	<b>Color Change in Deciduous and Permanent Enamel and Dentin Due to Burning</b> <i>Michal Peer, MSc*</i> ; <i>Rachel Sarig, DMD, PhD</i>
11:30 AM – 1:00 PM	<b>H9</b>	<b>Evaluating the Relationship Between Various Oral Pathological Conditions and the Persistence of Lip Prints</b> <i>Jagmeet Kaur, BSc, MSc*</i> ; <i>Mukesh Kumar K. Thakar, PhD</i> (FSF Emerging Forensic Scientist Award Poster Presentation)

### To ID or Not to ID ... Is This a Question?

Moderator: Ray Miller, DDS

8:30 AM – 8:45 AM	<b>H10</b>	<b>The <math>\delta^{18}\text{O}</math> Values as Chemical Signatures of Geo-Localities of Aajnala Skeletal Remains: A Forensic Odontological Study</b> <i>Jagmahender Sehrawat, PhD*</i> ; <i>Niraj Rai, PhD</i>
8:45 AM – 9:15 AM	<b>H11</b>	<b>Investigating the Influence of Sex and Ethnicity on Human Identification Using Palatal Scans</b> <i>Botond Simon, DMD*</i> ; <i>Aida Roudgari</i> ; <i>Akos Mikolicz</i> ; <i>Arvin Irani Shahbazi</i> ; <i>Janos Vag</i>

# ODONTOLOGY

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9:15 AM – 9:30 AM	<b>H12</b>	<b>A Colorimetric Study of Burnt Teeth as a Diagnostic Tool to Aid in Forensic Dental Identification</b> <i>Emilio Nuzzolese, DDS, PhD*</i> ; <i>Matteo Aliberti, DDS</i> ; <i>Lucia Tattoli, MD, PhD</i> ; <i>Giancarlo Di Vella, MD, PhD</i>
9:30 AM – 9:45 AM	<b>H13</b>	<b>A Multinational Classification of Dental Resin Composites for Forensic Purposes</b> <i>Emilio Nuzzolese, DDS, PhD*</i> ; <i>Davide Bosio, MD</i> ; <i>Mariagrazia Putzu, MD</i> ; <i>Giancarlo Di Vella, MD, PhD</i>
9:45 AM – 10:00 AM	<b>H14</b>	<b>A Radiographic Field Guide to Modern Dental Restorative Materials</b> <i>Elif D. Aksoylu, DMD, MPH*</i>
10:00 AM – 10:15 AM	<b>H15</b>	<b>Artificial Intelligence-Driven Dental Comparison for Human Identification in Mass Disasters</b> <i>Guillermo Ramírez*</i> ; <i>Antonio David Villegas, MSc, BS</i> ; <i>Tzipi Kahana</i> ; <i>Óscar Cordón</i> ; <i>Oscar Ibáñez Panizo, PhD</i>
10:15 AM – 10:30 AM	<b>H16</b>	<b>Prehistoric Therapeutic Dentistry in the Mid-Atlantic United States: The Use of Multi-Modal Imaging on Ancient Dental Specimens</b> <i>John B. Nase, DDS*</i> ; <i>Dana Kollmann, PhD*</i>
10:30 AM – 10:45 AM		<b>BREAK</b>

## Identification Plus

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Moderator: Sarah Friend, DDS

Co-Moderator: Andrew Stewart

10:45 AM – 11:00 AM	<b>H17</b>	<b>Dental Identification After an Arson Attack</b> <i>Camilla George, MSc, LLM*</i>
11:00 AM – 11:15 AM	<b>H18</b>	<b>Developing an Animal Model for Investigating Tissue Deterioration of the Palate by Intraoral Scanner</b> <i>Janos Vag*</i> ; <i>Sandor Mikó</i> ; <i>Arvin Irani Shahbazi</i>
11:15 AM – 11:30 AM	<b>H19</b>	<b>The Establishment of a Provincial Identification Unit and Its Promising Results</b> <i>Corinne D'Anjou, DMD*</i>
11:30 AM – 11:45 AM	<b>H20</b>	<b>The Potential of Smile Photographs and a PM Intraoral Scanner for Dental Identification</b> <i>Rosario Guerra Martí*</i> ; <i>Emilio Nuzzolese, DDS, PhD*</i> ; <i>Andrea Valsecchi, PhD</i> ; <i>Oscar Ibáñez Panizo, PhD</i> ; <i>Inmaculada Alemán, PhD</i> ; <i>Sven Benthaus</i> ; <i>Domenico Dellaia, MD</i>
11:45 AM – 12:00 PM	<b>H21</b>	<b>The Production of Dental Remains Replicas With 3D Modeling</b> <i>Robin A. Ainsworth, DDS, MS*</i> ; <i>Daniel Sierra</i> ; <i>James Pizzini, BS</i> ; <i>Charles DeFreest, DDS</i> ; <i>Mario Ruybal</i>
12:00 PM – 1:15 PM		<b>BREAK</b>

# ODONTOLOGY

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## Still Biting After All These Years ...

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Moderator: Cristiana Palmela Pereira, PhD

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|-------------------|------------|---|
| 1:15 PM – 1:30 PM | <b>H22</b> | <b>Odontometrics and Artificial Intelligence: A Comparative Study for Best Prediction of Facial Geometry in Medicolegal Cases</b><br><i>Nandini Chitara, MSc*; Rakesh Meena, MSc; Ankita Guleria, MSc; Kewal Krishan, PhD</i> |
| 1:30 PM – 1:45 PM | <b>H26</b> | <b>Insights From Wrongful Convictions Related to Bitemark Analysis</b><br><i>John Morgan*</i>   |
| 1:45 PM – 2:00 PM | <b>H24</b> | <b>The Evolution of the American Board of Forensic Odontology Standards and Guidelines for Evaluating Bitemarks</b><br><i>Richard H. Fixott, DDS*</i>   |
| 2:00 PM – 2:15 PM | <b>H25</b> | <b>Bitemarks: Can We Agree?</b><br><i>James F. Goodrich, BDS*; Mark Eilers, DMD</i>   |
| 2:15 PM – 2:30 PM | <b>H23</b> | <b>Advancing Forensic Odontology Standards: Insights and Updates</b><br><i>Kenneth W. Aschheim, DDS*</i>  |
| 2:30 PM – 2:45 PM | <b>H27</b> | <b>Expert Witness Testimony and the Standard of Care Involving Swallowed Dental Objects</b><br><i>Raymond G. Miller, BA, DDS*</i>   |
| 2:45 PM – 3:00 PM | <b>H28</b> | <b>Justice for Mariyah: Bitemark Analysis and the Power of Exclusion</b><br><i>Grace Chung, DDS*</i>  |
| 3:00 PM – 3:45 PM |            | <b>BREAK</b>  |

## How Old Are You Now?

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Moderator: Lindsay Spears, DDS

Co-Moderator Elif Aksoylu

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|-------------------|------------|--|
| 3:45 PM – 4:00 PM | <b>H29</b> | <b>The Good, Bad, and Ugly of Bitemarks</b><br><i>Christy Chang*; Shirley Lewis, BDS, MSD</i>  |
| 4:00 PM – 4:15 PM | <b>H30</b> | <b>Dental Age Assessment Through a Learning Machine Approach</b><br><i>Valon Nushi, DDS*; Ana M. Rodrigues, DMD; Diana Augusto, MSc; Rui Santos; Arlindo Oliveira, PhD; Alexandre Francisco, PhD; Francisco Salvado, PhD; Hrvoje Brkić, PhD; Cristiana Palmela Pereira, MSc; PhD</i><br><i>(FSF Emerging Forensic Scientist Award Oral Presentation)</i> |
| 4:15 PM – 4:30 PM | <b>H31</b> | <b>The Age Assessment Procedure and Results of the Age Assessment: Where Is the Dental Age Assessment?</b><br><i>Cristiana Palmela Pereira, MSc; PhD*</i>  |
| 4:30 PM – 4:45 PM | <b>H32</b> | <b>The Performance of Different Dental Age Estimation Methods on Saudi Children</b><br><i>Sakher AlQahtani, PhD*</i>   |
| 4:45 PM – 5:00 PM | <b>H33</b> | <b>A Comparison of Third Molar Development Between Hispanic Populations in Two Different Geographical Locations in the United States</b><br><i>Jayakumar Jayaraman, BDS, MDS, MS, PhD*</i>   |

# ODONTOLOGY

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## Friday

### Last and Never Least. . .

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Moderator: Mary Speicher, DMD

Co-Moderator: Ben Amini

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| 8:45 AM – 9:00 AM   | <b>H35</b> | <b>A 3D CBCT Method for Adult Age Estimation Based on Pulp Chamber Narrowing of Central Incisors</b><br><i>Ilenia Bianchi, DMD*</i> ; <i>Giulia Vitale, MD, DDS</i> ; <i>Ugo Santosuosso, MSc</i> ; <i>Lorella Bonaccorsi, PhD</i> ; <i>Francesco Pradella, MD, DDS</i> ; <i>Martina Focardi, MD</i> ; <i>Vilma Pinchi, PhD</i><br>(FSF Emerging Forensic Scientist Award Oral Presentation) |
| 9:00 AM – 9:15 AM   | <b>H36</b> | <b>A Dental Age Comparison of North Indian Children and Adolescents</b><br><i>Deeksha Sankhyan*</i><br>(FSF Emerging Forensic Scientist Award Oral Presentation)   |
| 9:15 AM – 9:30 AM   | <b>H37</b> | <b>Dental Assessment of Unaccompanied Refugees: A Mediterranean Perspective</b><br><i>Mariagrazia Marisei, MD*</i> ; <i>Pierpaolo Di Lorenzo, MD</i> ; <i>Anita Sammarco, MD</i> ; <i>Gaetano Di Donna, MD</i> ; <i>Claudia Casella, JD</i> ; <i>Fabio Policino</i> ; <i>Emanuele Capasso, MD</i> ; <i>Massimo Niola, PhD</i><br>(FSF Emerging Forensic Scientist Award Oral Presentation)   |
| 9:30 AM – 10:00 AM  | <b>H38</b> | <b>WITHDRAWN</b>   |
| 10:00 AM – 10:15 AM | <b>H39</b> | <b>When the Biter Leaves a Tooth Behind</b><br><i>Daniel T. Hines*</i> ; <i>Howard Harcke, MD</i>  |