

ODONTOLOGY

Thursday

Poster Session

- 11:30 am – 1:00 pm **H1** **Diagnostic Omission in Radiology of Odonto-Stomatological Structures: Who Is Responsible? A Case Report and Review of Jurisprudence**
*Giulia Vitale, DMD**; *Ilenia Bianchi, PhD*; *Vilma Pinchi, PhD*; *Francesco Pradella, MD, DMD*
- 11:30 am – 1:00 pm **H2** **Positive Identification Using Photographic Facial Superimposition in a 20-Year-Old Cold Case**
*Elizabeth Smith, DDS**
- 11:30 am – 1:00 pm **H3** **Optimizing Mass Fatality Operations: The Synergy of Technology and Forensic Odontology**
*Khlea Sumani, DMD**; *Amanda Alvarez Wright, MPA**

Morning Session I

Moderator: Victoria McGowen, DMD

Co-Moderator: Sarah Friend, DDS

- 8:30 am – 9:00 am **H4** **Recent Advances in Forensic Odontology Standards**
*Kenneth Aschheim, DDS**
- 9:00 am – 9:20 am **H5** **A Comparison of the Plaster Model and the Digital Dental Scan in the Analysis of Palatal Rugae**
*Federica Mele, MD**; *Laura Roselli, DDS*; *Carmela Suriano, MD*; *Roberto Catanesi, MD*; *Massimo Petruzzi, PhD*; *Valeria Santoro, PhD*
- 9:20 am – 9:40 am **H6** **Animal Bitemarks**
*Megha Shah, DDS**
- 9:40 am – 10:00 am **H7** **Teeth as the Sole Identifier of Heavily Challenged Ajnala Skeletal Remains: A Multifaceted Approach**
*Jagmahender Singh Sehrawat, PhD**
- 10:00 am – 10:10 am **BREAK**

Morning Session II

Moderator: Lindsay Spears, DDS

Co-Moderator: Iliana Saavedra, DDS

- 10:10 am – 10:40 am **H8** **Transforming Forensic Odontology: Unlocking the Power of Artificial Intelligence (AI) and Augmented Intelligence (Aul) for Dental Identification**
*Kenneth Aschheim, DDS**; *Itai Rosenblatt, BS*
- 10:40 am – 11:00 am **H9** **Research Dynamics in the Application of Mandibular Radiometric Dimensions for Sex and Age Estimation Using Different Radiological Modalities: A Bibliometric Analysis**
*Jagmahender Singh Sehrawat, PhD**; *Shria Sharma, MS*; *Shubham Thakur, MS*
- 11:00 am – 1:00 pm **BREAK**

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Afternoon Session I

Moderator: Walter F. Zoller, DMD

Co-Moderator: Heather Kilpatrick, DMD

- 1:00 pm – 1:20 pm **H10** **From Inside to Outside or Vice Versa? An *In Vitro* Study on the Deposition of Substances of Abuse in Dental Tissues**
*Ilenia Bianchi, PhD**; *Emma Croce, MS*; *Alexandra Dimitrova, RF*; *Federica Gelli, DMD*;
Martina Focardi, MD; *Annalisa Ugolini*; *Fabio Vaiano, PhD*; *Guido Mannaioni, PhD*;
Vilma Pinchi, PhD
- 1:20 pm – 1:50 pm **H11** **An Evaluation of Degradation Pattern of Different RNA Types and Gene Expression in Human Dental Pulp Tissue Under Varied Temperatures and Storage Time Intervals**
*Shalini Gupta, PhD**
- 1:50 pm – 2:20 pm **H12** **Teeth as Indicators of the Late Postmortem Interval (PMI): A Method Based on Histomorphological Changes of Dental Pulp and the Integrity of the Odontoblastic DNA**
*Ilenia Bianchi, PhD**; *Annalidia Seclì, DMD*; *Martina Focardi, MD*; *Laura Calosi, MS*;
Daniele Bani, PhD; *Vilma Pinchi, PhD*
- 2:20 pm – 2:30 pm **BREAK**

Afternoon Session II

Moderator: Ashley Epperly, DDS

Co-Moderator: Julie Wallace, DDS

- 2:30 pm – 3:00 pm **H13** **Advancements in Forensic Odontology: Enhancing Medicolegal Death Investigations Through Technology and Collaboration**
*Khlea Sumani, DMD**; *Amanda Alvarez Wright, MPA**
- 3:00 pm – 3:20 pm **H14** **The Use of Self-Portrait Photographs (Selfies) for Dental Identification: A Pilot Study**
*Larisa Saracevic, MS**; *Satu Valoriani, PhD*; *Matteo Borrini, PhD*
- 3:20 pm – 3:40 pm **H15** **Forensic Odontology in Mass Disaster Victim Identification: The Surfside Condominium Collapse Case Study**
*Steven Lanster, DMD**
- 3:40 pm – 4:00 pm **BREAK**

Afternoon Session III

Moderator: Elif Aksoylu, DMD

Co-Moderator: Christine Mason, DD

- 4:00 pm – 4:30 pm **H16** **A Machine Learning-Assisted Combination of Skeletal and Dental Methods for Age Estimation in Subadults**
*Ilenia Bianchi, PhD**; *Giorgio Oliva*; *Giulia Vitale, DMD*; *Francesco Pradella, MD, DMD*;
Martina Focardi, MD; *Vilma Pinchi, PhD*
- 4:30 pm – 5:00 pm **H17** **Can Standard Forensic Processing Practices Alter Dental Age Estimation Markers?**
*Joe Adserias-Garriga, PhD**; *Cheyenne Hindman, MS*; *Luis Cabo, MS*