

ODONTOLOGY

Thursday

Morning Session

Moderator: Beverly Hedgepeth

Co-Moderator: Candice Johnson

9:00 AM – 9:15 AM **H1** **“There’s a First Time for Everything”:** Using Digital Dental Equipment in a Mortuary
*Camilla George, MSc, LLM**

9:15 AM – 9:30 AM **H2** **A New Algorithmic-Based Model for Sex Estimation in Forensic Identification**
Ilenia Bianchi, MSc; Giorgio Oliva, DDS; Vilma Pinchi, MSc; Beatrice Bellugi, DDS; Martina Focardi, MSc; Corrado Paganelli, DMD; Domenico Dalessandri, DMD*

9:30 AM – 9:45 AM **H3** **A Case Report of an Unusual Use of Dental Identification in a Homicide Case**
*John McDowell, DDS, MS**

9:45 AM – 10:00 AM **H4** **Looking Forward: From Periapical Film Identifications to Cone Beam Computed Tomography (CBCT) 3D Volume Identifications**
Robert Wood, PhD; Taylor Gardner, BFSc**

10:00 AM – 11:00 AM **BREAK**

Moderator: Ashley Epperly

Co-Moderator: Khalifa Dieng

11:00 AM – 11:15 AM **H5** **The Effect of Burning on Dental Tissue: A Macroscopic and Microscopic Investigation**
Michal Peer, MSc; Rachel Sarig, DMD, PhD*

11:15 AM – 11:30 AM **H6** **A Forensic Provenance of Anjala Skeletal Remains From Strontium Isotope (⁸⁷Sr/⁸⁶Sr) Analysis of Their Dental Enamel Samples**
Jagmahender Sehrawat, PhD; Vaughan Grimes, PhD*

11:30 AM – 12:00 PM **H7** **Murder! Who Does the Grillz Fit?**
*Corinne D’Anjou, DMD**

12:00 PM – 1:30 PM **BREAK**

Afternoon Session

Moderator: Allan Raden

Co-Moderator: Emilio Nuzzolese

1:30 PM – 1:45 PM **H8** **The Applicability of Cameriere’s Third Molar Maturity Index on a French Orthopantomogram and Computed Tomography Scan Sample**
Olympe Mazieres, DMD; Eric Baccino, MD; Martrille Laurent, MD*

1:45 PM – 2:15 PM **H9** **Dental Age Assessment of United States Black and White Children: Performance Reliability of Harris and McKee (1990)**
Shanetha Collier, DDS, MA; James Lewis, DMD; Kathleen Kasper, DDS; Murray Marks, PhD; Robert Heidel, PhD*

2:15 PM – 2:45 PM **H10** **The Dental Age Estimation of Skeletal Remains: Interfacing the Shareware Program Gimp With Kvaal Dental Age Estimation (DAE) Quicksheets**
*Walter Zoller, DMD**

2:45 PM – 3:00 PM **H11** **The Development of Third Molars and Its Implications on Age Estimation in the Hispanic Population**
Jayakumar Jayaraman, PhD; Graham Roberts, MDS*

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3:00 PM – 3:30 PM

BREAK

Moderator: Ray Miller

Co-Moderator: Mary Speicher

3:30 PM – 4:00 PM

H12

The Impact of an International Reference Data Set and Ancestral Data Sets on Dental Age Estimation

Graham Roberts, MDS; Derek Draft, DDS; Jayakumar Jayaraman, PhD; Victoria Lucas, PhD*

4:00 PM – 4:15 PM

H13

The Impact of Ancestral Reference Data Sets of Third Molars on Dental Age Estimation

Victoria Lucas, PhD; James Lewis, DMD; Kathleen Kasper, DDS; Jayakumar Jayaraman, PhD; Graham Roberts, MDS*

4:15 PM – 4:30 PM

H14

The Applications of X-Ray Microtomography (Micro-CT) in Studying Age-Related Tooth Morphological Changes: A Scoping Review

Muhammad Zaid Zainuddin, MMedSc; Tan Su Keng, PhD; Noor Shafini Mohamad, PhD; Mohd Yusmiaidil Putera Mohd Yusof, PhD*

4:30 PM – 4:45 PM

H15

Validation of Automated Dental Age Assessment

*Salem Altalie, DDS, MSc**

Poster Session

11:30 AM – 1:00 PM

H16

The Accuracy of Age Estimation and Assessment of the 18-Year Threshold Based on Second and Third Molar Maturity in Korean and Japanese Populations

*Sang-Seob Lee, DPhil**

11:30 AM – 1:00 PM

H17

Intraoral Digital Record Assessment as Forensic and Legal Evidence: From a Paradigm to Reality

Ana Corte-Real, PhD; Rita Ribeiro, BSH; Tiago Nunes, MS*

11:30 AM – 1:00 PM

H18

Postmortem Interval (PMI) Estimation on Dental DNA Studied by Next Generation Sequencing (NGS): A Pilot Study

Angelica Zibetti, MD; Umberto Rosini, MD; Matteo Sacco, MD*; Martino Maesani, MD; Carmen Scalise, PhD, MD; Fabrizio Cordasco, MD; Maria Manno, MD; Saverio Gualtieri, MD*; Pietrantonio Ricci, PhD, MD; Isabella Aquila, PhD, MD**

11:30 AM – 1:00 PM

H19

Teeth Hold Clues: A Unique Positive ID Case of Burned and Fragmented Remains

Megha Shah, DDS; Janice Klim Lemann, DDS*

Friday

Morning Session

Moderator: John Nase

Co-Moderator: Sarah Friend

9:00 AM – 9:15 AM

H20

Report Writing Using Word Developer: A Streamlined and Systematic Approach to Comprehensive Documentation

Peter Marsh, DDS; J. Carol Geer, DDS*

9:15 AM – 9:45 AM

H21

Standards Development Activities in Forensic Odontology

*Kenneth Aschheim, DDS**

9:45 AM – 10:15 AM

H22

Bitemark Photographic Evidence: Recognizing the Limits

Derek Draft, DDS; D. Eric Johnson*