



# I.O.F.O.S e-Symposium

## ARTIFICIAL INTELLIGENCE – Where are we in Forensic Odontology?

**DATE:** December 7<sup>th</sup>, 2024, Saturday

**TIME:** 2:00 – 5:00 p.m. (CET)

**PLATFORM:** Zoom Colibri

**REGISTER IN THE E-SYMPOSIUM:** [www.iofos.eu](http://www.iofos.eu)

### Programme at a Glance

**2:00 – 2:10 p.m. E-Symposium Opening Session**

Professor Cristiana Palmela Pereira, I.O.F.O.S President

**Session 1**

**Chairmans: Professor Hrvoje Brkic (Croatia) and Professor Ashith Acharya (India)**

**2:10 – 2:18 p.m. Mai Britt Bjørk (Norway) - Prediction of age older than 18 years by MRI-segmentation of 1st, 2nd, and 3rd molars. Can we take advantage of AI for more efficient semi-automatic segmentation?**

**2:18 – 2:26 p.m. Luka Banjšak (Croatia) - Sex estimation in subadults from OPGs**

**2:26 – 2:34 p.m. Victor Jacometti (Brazil) - Age estimation and Artificial Intelligence - a new paradigm shift in Forensic Odontology**

**2:34 – 2:40 p.m. Discussion**

**2:40 – 2:45 p.m. Break**

**Session 2**

**Chairmans: Professor Ricardo Silva (Brazil) and Professor Sigrid Kvaal (Norway)**

**2:45 – 2:53 p.m. Diana Augusto (Portugal) - VGG16-based intelligent image analysis in forensic odontology: age classification, sex classification and comparative dental evidence identification**

**2:53 – 3:01 p.m. Sudeendra Prabhu (India) - A.I. Functionality in Odontometric Sex Assessment**

**3:01 – 3:07 p.m. Discussion**

**3:07 – 3:12 p.m. Break**

**Session 3**

**Chairmans: Professor Cristiana Palmela Pereira (Portugal) and Professor Scheila Manica (UK)**

**3:12– 3:20 p.m. Yucheng Guo (China) - With or without human interference for precise age estimation based on machine learning?**

**3:20 – 3:28 p.m. Ilenia Bianchi (Italy) - AI and age estimation in sub-adults: a combination of skeletal and dental radiological methods**

**3:28 – 3:34 p.m. Discussion**

**3:34 – 3:40 p.m. E-Symposium Closing Session**

Professor Vilma Pinchi, Editor JFOS