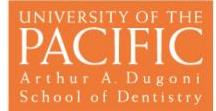




University of the Pacific Arthur A. Dugoni School of Dentistry
126th Alumni Association Annual Meeting – 2025 Alumni Weekend
Including The 39th Frederick T. West Orthodontics Lectureship and
The 2nd Alan H. Gluskin Endodontics Symposium



Jonas Bianchi, DDS, MSc, PhD

Friday, January 31, 2025

3:30 pm – 4:30 pm – 1 CE unit

Subject Area: "AI in Orthodontics"

Title: "Artificial Intelligence in Orthodontics: Are We Entering a New Normal?"

Course Description:

This lecture introduces the new technologies in orthodontics, comparing them with traditional gold standards to highlight how AI is becoming part of everyday practice. We will explore how companies are leveraging data to build predictive models and enhance clinical decision-making. The session aims to provide a clear picture of where AI fits into clinical care, showing practical applications that are already reshaping orthodontic workflows. By understanding these technologies and their real-world impact, attendees will see how we are already living through this shift, which may soon become the new normal in orthodontics.

Objectives:

- 1) Understand the key differences between traditional orthodontic methods and new AI-driven technologies.
- 2) Understand how data is utilized in predictive models to enhance clinical decision-making.
- 3) Explore real-world examples of AI applications in orthodontics.

Short Bio:

Dr. Jonas Bianchi is an Assistant Professor of Orthodontics at the University of the Pacific, Arthur A. Dugoni School of Dentistry in San Francisco, CA. He holds a master's and PhD from the State University of São Paulo and completed a postdoctoral fellowship at the University of Michigan. Dr. Bianchi's research focuses on artificial intelligence, data science applications, and 3D imaging in orthodontics. He has published over 50 peer-reviewed articles, contributing extensively to NIH-funded projects with collaborators from the University of Michigan and the University of North Carolina. His clinical teaching integrates evidence-based approaches and diverse treatment modalities, including segmented mechanics, aligner therapy, straight-wire methods, temporary anchorage devices (TADs), 3D-printed appliances, and orthopedic appliances. Dr. Bianchi's work in orthodontics integrates cutting-edge research with clinical expertise, contributing to the advancement of care and education in the field.