



## **Academy of Prosthodontics 2024 Annual Scientific Session Four Seasons Hotel, Denver, Colorado May 29 – June 1, 2024**

### **Program Speaker – Clara Kim**

#### **Title**

AI-Enhanced Dental Education: Future and Beyond

#### **Abstract**

In this exploration of the future of dental education, the presentation delves into the current state and forthcoming adaptations driven by AI. The transformation is evident in tools like ChatGPT and Simodont, shaping a hybrid curriculum that emphasizes critical thinking and communication. AI introduces personalized learning, tailoring study plans for dental students, while simulations and virtual reality redefine hands-on training. The diagnostic capabilities of AI extend to treatment planning, quality assurance, and language translation, simplifying administrative tasks. Despite these advancements, the presentation underscores the indispensable role of experienced practitioners, highlighting the value of human expertise, mentorship, and critical thinking in dental education. Conclusively, it advocates for a balanced integration of AI and traditional methods, mindful of ethical and privacy considerations. Thought-provoking questions invite reflection on the evolving relationship between human mentorship and AI in the educational landscape.

#### **Learning Objectives**

1. Develop a comprehension of the current and future state of AI integration in dental education, including emerging technologies and their impact on teaching methodologies.
2. Assess the diverse applications of AI, such as personalized learning, simulations, and diagnostic assistance, within the context of dental education. Understand the potential benefits and challenges associated with these applications.
3. Engage and explore the unique contributions of human expertise, mentorship, and critical thinking in the evolving role of experienced practitioners within a dental education landscape enhanced by AI.

#### **Biography**

##### **CLARA KIM**

Dr. Clara Kim completed his Doctorate in Dental Medicine at the Harvard School of Dental Medicine. She completed her specialty training in Advanced Periodontics and Implant Dentistry at the University of Southern California School of Dentistry as well as degree in Master of Science in Oral and Craniofacial Biology. Dr. Kim has been involved in considerable research and academics throughout her professional career. Dr. Kim has published several articles in peer-reviewed journals. Dr. Kim is an Associate professor and Clinical Managing Partner of Specialty Care at Western University of Health Sciences,

School of Dental Medicine. Dr. Kim is a Test Constructor for the Objective Structured Clinical Examination (DLOSCE) and Integrated National Board Dental Examination (INBDE) Committees. She also serves as an Examiner for American Board of Periodontology and a member of the working group on Artificial Intelligence for the ADA standards Committee on Dental Informatics.



**THE ACADEMY OF PROSTHODONTICS**  
FOUNDED 1918

Speaker Conflict of Interest Disclosure

ANNEX C

**Prosthodontics 2024: There is No Box!**  
**Celebrating 106 Years of Academy of Prosthodontics**  
**May 29- June 1, 2023**

**Please sign and date the appropriate statement.**

**Speaker Name: Clara. S. Kim, DMD, MS**

*To declare no potential conflicts:*

I, the undersigned, declare that neither I nor any member of my family have a financial interest/arrangement or affiliation with any corporate entity associated with the profession of dentistry.

*Clarakin*

\_\_\_\_\_  
Signature

11/13/2023

\_\_\_\_\_  
Date



# THE ACADEMY OF PROSTHODONTICS

FOUNDED 1918

*To declare potential conflicts:*

I, the undersigned (or an immediate family member), have a financial interest/arrangement or affiliation with a corporate entity associated with the profession of dentistry, as follows (there is no need to disclose the actual financial value of any affiliation):

**Affiliation/Financial Interest**

**Corporate Organizations**

Employee, full or part-time	_____ N/A _____
Grant/Research Support	_____ N/A _____
Consultant	_____ N/A _____
Stock Shareholder (directly purchased)	_____ N/A _____
Honoraria	American Dental Association (JNCDE), American Board of Periodontology _____
Other Financial or Material Support	_____ N/A _____
Owner/Part Owner	_____ N/A _____

I understand that this form will be available for review by program participants.

Clara S. Kim \_\_\_\_\_ 11/13/2023 \_\_\_\_\_  
Signature (typing your name will serve as your electronic signature)      Date

Having an interest in or an affiliation with the corporate organization does not necessarily prevent you from making the presentation, but the relationship must be made known to the audience. Failure to disclose or a false disclosure will require The Academy of Prosthodontics to remove you from the program and to identify a replacement for your participation.