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 Simodent, 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.