



Academy of Prosthodontics 2025 Annual Scientific Session
The Westin Kierland Resort and Spa, Scottsdale, AZ | May 28-31, 2025

Program Speaker – Hongseok An, DDS, MSD, FACP

Title

Intraoral Scanning: Research, Clinical Applications, and Limitations

Abstract

With the recent advances of CAD/CAM dental technology, the use of intraoral scanners has been rapidly increasing. Intraoral scanners are now widely used to fabricate various types of dental prostheses including fixed, removable and implant prostheses. Intraoral scanning has advantages over conventional impression making, but it also has limitations. This presentation will review basic principles of intraoral scanning that clinicians should know to control the accuracy of scanning. Strategies, indications, and contraindications of intraoral scanning will be discussed based on recently published studies. Clinical examples will be presented to describe how the principles in this presentation can be used to improve patient care outcome.

Learning Objectives

- Review basic scientific background and recently published articles.
- Understand the benefits and limitations of intraoral scanning.
- Understand how to select and apply proper strategies and techniques for making digital impressions in various clinical situations.

Biography

Dr. Hongseok An is currently Associate Professor in the Division of Restorative Dentistry, Oregon Health & Science University. He received DDS from Seoul National University in Korea. After practicing as a general dentist for a few years, he started his prosthodontic residency at the University of Washington School of Dentistry, where he received his Certificate in Prosthodontics and MSD. He is a diplomate of the American Board of Prosthodontics, a Fellow of the American College of Prosthodontists. Dr. An has served as an editorial board member of Journal of Prosthodontics as well as Journal of Prosthetic Dentistry. He has authored many scientific articles and book chapters related to digital dentistry. His lectures mainly focus on digital dentistry, implant dentistry and esthetic/full mouth reconstruction.