



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

Program Speaker – John A. Sorensen, DMD, PhD, FACP

Title

Digital Daze: Validating Available Digital Technology and Digital Materials for Prosthodontic Private Practice

Abstract

The development of and commercial marketing introduction of digital technologies/digital materials/software are occurring at a dizzying pace. So rapidly that even the most astute and well-read prosthodontist has difficulty staying abreast of these developments. The “Digital Workflow” (DWF) has tremendously advanced prosthodontic practice of complex oral rehabilitation, providing previously unobtainable 3D patient assessment, dental team communication, surgical-prosthodontic treatment planning, and CAD & CAM provisional/prototype/definitive prostheses fabrication. Utilizing the latest laboratory and clinical research, Dr. Sorensen will evaluate various aspects of digital technologies, materials and software at steps of the DWF and then demonstrate single to complex oral rehabilitation clinical cases with the DWF sharing advantages, disadvantages and limitations. Finally, despite the potential superlative clinical outcomes seen with academic clinicians, what is the feasibility and practicality for the private practicing prosthodontist considering the practical business aspects of how new systems can disrupt practice SOP operations, warrants investment, and most decisively, the ROI?

Learning Objectives

- Understand the advantages, disadvantages and limitations of digital impressions relative to conventional impressions.
- Understand the advantages and limitations of the various parts of the digital workflow in prosthodontics for both the clinical and laboratory technology aspects.
- Understand the advantages and disadvantages of applications of the various classes of digital ceramics and polymers.

Biography

Dr. John Sorensen is Professor, Department of Restorative Dentistry; Director, Biomimetics Biomaterials Biophotonics Biomechanics & Technology Laboratory; Director of Research, Graduate Prosthodontics Program at the University of Washington. The B4T team actively engages in materials science investigation, developing new diagnostic and analysis tools, R&D of digital workflows for conventional prosthodontics and implant surgical-prosthodontics, and clinical trials. Dr. Sorensen is Past President of the Academy of Prosthodontics and a diplomate of the American Board of Prosthodontics. He conducted 12 clinical trials on ceramic systems and implant prosthodontics, published over 95 research articles and chapters, and over 155 research abstracts. He has given over 150 invited lectures in 38 countries and over 300 lecture courses, hands-on programs and patient-treatment classes. He received the 2018 Clinician-Researcher Award of Distinction from the American College of Prosthodontists, and Distinguished Speaker Award by Greater New York Academy of Prosthodontics in 2017.

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