



**Academy of Prosthodontics 2026 Annual Scientific Session
The Boca Raton Hotel, Boca Raton, FL | May 27-30, 2026**

Program Speaker – Mohamed El-shewy, BDS, MSc, MS, MBA, FRCD(C), FACP

Title

Optimizing Clinical Workflow with Evidence Based Research Insights

Abstract

Optimizing clinical workflows in prosthodontics and implant dentistry requires the integration of digital technologies, material science, and outcomes-based research. This presentation synthesizes evidence from experimental and retrospective studies addressing critical stages of the clinical workflow. Within digital dentistry, research focuses on three-dimensional facial scan integration within digital workflows and the accuracy of merging digital impressions to generate reliable virtual datasets. Studies related to material selection examine the optical effects of different implant abutment materials on translucent monolithic zirconia restorations, as well as the microstructural evolution of cold-worked titanium implants following clinically relevant insertion torque. Complication management is addressed through long-term retrospective analyses of metal–acrylic implant-supported fixed complete dental prostheses and the use of computer-based peri-implantitis risk prediction models, highlighting the role of clinical data in outcome assessment and risk mitigation. Collectively, these findings demonstrate how evidence based research can be translated into practical strategies to enhance workflow efficiency, improve treatment predictability, and optimize long-term patient outcomes.

Learning Objectives

- Evidence Based Research - Incorporate evidence-based research principles into clinical settings to improve
- Clinical Protocols - Critically appraise scientific literature and translate research findings into practical clinical protocols.
- Digital Treatment Planning - Apply data-driven insights to optimize clinical sequencing, material selection, and digital treatment planning.

Biography

Mohamed ElShewy, is a board-certified prosthodontist and Assistant Professor at the Dental College of Georgia at Augusta University, where he also serves as Assistant Program Director of the Advanced Education in General Dentistry (AEGD) program. He completed his dental degree at Cairo University in Egypt.

In 2017, Dr ElShewy joined the prosthodontics residency program at Marquette University and later he completed his surgical implant fellowship at the University of Rochester.

In 2024, He earned an MBA from Augusta University, further enhancing his capabilities in healthcare leadership and academic management.

Dr. ElShewy is a Diplomate of the American Board of Prosthodontics and a Fellow of the American Academy of Fixed Prosthodontics, and the Royal College of Dentists of Canada.

His academic interests include digital dentistry, implant prosthodontics, and faculty development in dental education. He is actively involved in teaching, research, and national professional service.