Revealing the Clinical Significance of Saliva
DR. WALTER L. SIQUEIRA

PROGRAM OUTLINE
Saliva is an essential body fluid that contains a variety of biological information with enormous potential to be used to diagnose systemic and oral diseases. In addition, saliva and salivary proteins may act as a therapeutic modulator to prevent and combat various oral diseases such as caries and periodontitis. Our efforts, along with the efforts of other researchers, consist of translating the information obtained in the laboratory into the dental chair. In this course, we will present and discuss the novelties related to research in saliva, as well as, all saliva-based technologies that can facilitate the day-to-day in the dental office.

LEARNING OBJECTIVES
• To identify the functions related to saliva for dental caries;
• To understand the importance of saliva as a diagnostic fluid for oral and systemic disease;
• To understand the difference between xerostomia and hyposalivation;
• To understand the saliva-based technology available to facilitate the day-to-day in the dental clinic.

ABOUT THE SPEAKER
WALTER L. SIQUEIRA, DDS, PhD

Dr. Walter Siqueira, a professor and Associate Dean at the College of Dentistry, University of Saskatchewan, leads the Salivary Proteomics Research Laboratory, a unique research program in Canada and one of only a few in the world. His background as both a dental clinician and basic scientist has enabled him to integrate basic science with clinical dentistry and promote knowledge translation to the day-to-day dental clinic. He is recognized as a research leader nationally and internationally in the field of salivary research for therapeutic and diagnostic applications, an area critically important for oral and systemic health.

Dr. Siqueira has published more than 90 peer-reviewed papers and made several significant contributions to the field of dentistry. For example, he has created an innovative nanoparticle method to deliver and protect, salivary proteins and consequently prevent oral diseases (PCT Patent, licensing agreement with an Oral health Company).

Dr. Siqueira is the recipient of the W.W. Wood Award for Excellence in Dental Education by the Association of Canadian Faculties of Dentistry. He received the 2012-Salivary Researcher of the Year Award by the IADR. Dr. Siqueira was also the recipient of the prestigious CIHR New Investigator Salary Award. Recently, he was granted the 2019-IADR Distinguished Scientist Award.

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