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

Program Speaker – Eric Caron, DMD

Title

CADCAM RPD, Does It Really Live Up to Our Clinical Expectations?

Abstract

The development of various production capabilities based on the full potential of computer-aided design and manufacturing technologies has literally revolutionized the treatment of the partially edentulous with removable partial dentures over the past fifteen years. More specifically, the use of SLM printers to fabricate the metal framework and the understanding of their impact on the mechanical properties of the metal used are mainly responsible for these recognized clinical advantages. There are, however, certain limitations associated with these new production techniques. A review of the scientific literature available in 2025 is essential to understand these limitations and to guide our therapeutic choices, thus ensuring that we maximize the clinical yield of our treatments.

Learning Objectives

- Describe the impact of SLM printing technologies on the mechanical properties of the metal produced.
- Describe their impact and limitations in relation to our clinical expectations.
- Describe how to benefit from and maximize their performance by modifying our clinical approach.

Biography

Dr. Eric Caron graduated from the Faculty of Dentistry at the Université de Montréal in 1993 and obtained his Certificate in Prosthodontic Rehabilitation from the same university in 1996. After more than ten years in private practice in Montreal regions, he took up the position of Director of Research and Development at 3DRPD, where, in collaboration with McGill University, he pioneered the use of CADCAM technology for the manufacture of removable partial dentures. Since 2023, as Vice-President Operations at 3DRPD, he has been actively involved in the clinical integration of these various technological capabilities for the treatment of the partially edentulous.

*Speaker has disclosed financial interest in VPO 3DRPD.