



Academy of Prosthodontics 2019 Annual Scientific Session Fairmont Banff Springs Hotel, Banff Canada May 29 – June 1, 2019

Program Speaker - Dr. Petra C Gierthmuehlen, DDS, Dr Med Dent, PhD

Title

Digital Approach for Complex Rehabilitations

Abstract

A pleasing harmony between the face, smile and teeth is the main goal of comprehensive dental rehabilitation. These complex reconstructions represent a great challenge for clinicians and dental technicians. Various tools were developed to evaluate the relationship between the different components of the face and to provide guidance for treatment planning as well as for the manufacturing of the final restorations. Advancements in CAD/CAM material systems, digital restoration planning and fabrication resulted in innovative treatment concepts for the severely compromised dentition. Digital face scans and novel CAD/CAM applications offer a standardized manufacturing process, providing a reliable, predictable and economic workflow for complex rehabilitations.

Learning Objectives

1. The lecture will provide an insight about the emerging technologies in contemporary prosthodontics
2. The lecture will highlight the advantages of modern CAD/CAM materials and comprehensive digital workflows
3. The lecture will present case series and the scientific evidence pertaining to the clinical success of CAD/CAM materials and the corresponding preparation designs.

Biography

DR. PETRA C GIERTHMUEHLEN, DDS, DR MED DENT, PHD

Dr. Gierthmuehlen, graduated and received her DDS from Albert-Ludwigs University, Freiburg, Germany in 2001. She was an Assistant Professor (2001-2006) at the Department of Prosthodontics (Chair Prof. Dr. Dr. h.c. J.R. Strub), University, Freiburg, Germany and is a Board certified Prosthodontist (2005) of the German Society of Prosthodontics and Dental Materials (DGPro). From 2006-2009 she was a Visiting Scientist at the Department of Biomaterials & Biomimetics (Chair Prof. Dr. V.P. Thompson), NYU, New York, USA. In 2009 Dr. Gierthmuehlen was appointed Associate Professor at the Department of Prosthodontics, University, Freiburg, where she accomplished the Habilitation in 2011. Since 2016 she is Professor and Chair of the Department of Prosthodontics at the Heinrich-Heine University in Duesseldorf, Germany.