



## **Academy of Prosthodontics Annual Scientific Session VIRTUAL May 21 – 22, 2021**

### **Program Speaker – Vincent Fehmer**

#### **Title**

Monolithic Implant Reconstructions - The Keystone to Advances in CAD/CAM Technologies

#### **Abstract**

The recent digital technology offers numerous new and efficient options for restorative dentistry. Within digital dentistry the optical impressioning is the first step towards a digitalization of the patient's intraoral situation. The resulting digital file is then used for the virtual planning and the virtual design of reconstructions, which thereafter can be milled out of prefabricated blanks of different materials with aid of CAD/CAM systems. The digital systems available today offer numerous advantages, like e.g. the precision of the reconstructions. A high number of studies has demonstrated good accuracy of the current subtractive manufacturing, i.e. the computer-aided milling or the grinding of ingots. More recently, additive procedures have been introduced. Stereolithography, laser sintering or printing of materials like wax, resins or metals has shown to be even more precise than the subtractive manufacturing.

Finally, the „digital workflow“, is not only interesting for the fabrication of dental reconstructions but also for a better patient/dentist communication.

#### **Learning Objectives**

1. Learn and understand the digital workflow and its potential to deliver efficient and cost-effective treatments
2. Learn how to adhesively cement a monolithic crown to a Ti-Base
3. Learn about the possibilities and limitations of monolithic reconstructions

#### **Biography**

Vincent Fehmer received his dental technical education and degree in Stuttgart, Germany in 2002. From 2002 to 2003 he performed fellowships in Great Britain and the US in Oral Design certified dental technical laboratories. From 2003 to 2009 he worked at an Oral Design certified laboratory in Berlin, Germany - The Dental Manufaktur Mehrhof. In 2009 he received the degree as a MDT in Germany. From 2009 to 2014 he was the chief dental technician at the Clinic for Fixed and Removable Prosthodontics in Zurich, Switzerland.

Since 2015 he is dental Technician at the Clinic for Fixed Prosthodontics and Biomaterials in Geneva, Switzerland and runs his own laboratory in Lausanne Switzerland.

MDT Fehmer is a Fellow of the International Team for Implantology, an Active member of the European Academy of Esthetic Dentistry (EAED), and a member of the Oral Design group, the European Association of Dental Technology (EADT) and German Society of Esthetic Dentistry (Deutsche

Gesellschaft für Ästhetische Zahnheilkunde, DGÄZ). He is active as speaker on a national and international Level.

Mr. Fehmer has received honors like the prize for the Best Master Program of the Year (Berlin, Germany). He has published numerous articles within the field of fixed prothodontics and digital dental technology.

Also he serves as reviewer for several international Journals and is a section editor for the International Journal of Prosthodontics.