



## **Academy of Prosthodontics Annual Scientific Session Naples, Florida | May 3 – 6, 2023**

### **Program Speaker – Florian Beuer**

#### **Title**

Developments in Tooth-Colored Materials: From Dental Implants to Printed Composite

#### **Abstract**

Tooth-colored materials have become the new golden standard in restorative dentistry. However, the material for dental implants is still titanium. Do modern ceramic materials or high-performance polymers allow to fabricate dental implants with a comparable clinical performance? There are promising review articles and case-reports, but a clinical study with a two-piece zirconia implant showed their limitations. An overview of the literature will be discussed with personal clinical experience and under the counter information on ceramic implants.

While milling is still the way of fabricating all-ceramic and indirect composite restorations, printing technology is catching up fast. Results from a clinical study with more than 800 units of printed composite (Varsea Crown Plus, Bego) were very promising when it comes to color stability and wear resistance.

The lecture will give a view into the future of implant and restorative dentistry, it will discuss where we are today, and which developments show the potential to change prosthodontics.

#### **Learning Objectives**

1. Learn about alternative implant materials.
2. Learn the pros and cons of printed composite restorations.
3. Learn about the future of fabricating all-ceramic restorations.

#### **Biography**

Professor Beuer graduated from Munich Dental School (Germany) in 2000. After two years in private practice he joined the Prosthetic Department in Munich. He finished his dissertation in 2002 and got his habilitation in 2009. He holds specialty degrees in implantology (DGI) and prosthodontics (DGPro). In 2007 and 2008 he worked as visiting Professor in Portland/Oregon. Professor Beuer received a Master of Medical Education (MME) degree from the University of Heidelberg (Germany) in 2015. Since 2015 he is chair of the Prosthetic Department at Charité University of Medicine in Berlin (Germany). He is the editor in chief of the International Journal

of Computerized Dentistry (Quintessence Publishing) and the president of the German Society for Dental Implants (DGI).