



## Lecture Abstract

### **Dr. Tord M. Lundgren, Gainesville, Florida/US**

University of Florida, Gainesville, Florida;  
Professor

#### **Main implantological topics:**

- Clinical implantology

#### **Professional skills:**

- Periodontist
- Professor
- Graduate Program Director

### **Trends & Research Findings Supporting Clinical Decision-Making**

Implant-supported overdentures, crowns and bridges are effective and popular treatment options applicable for different dental situations. A lot of different implant-abutment –connection-systems are on the market currently. The two main categories for the connections are butt-joint and taper, with a wide spread of different modifications. To analyze the characteristics of the different connection-systems controlled research projects are fundamental. Professor Lundgren will show his results from current projects for supporting clinical decision making. In an in-vitro study of bacterial colonization of the implant fixture-abutment interface (FAI) Professor Lundgren and his team analyzed implants divided into three different groups based on their microgap dynamics. This study indicates that differences in implant design may affect the potential risk for invasion of oral micro-organisms into the FAI microgap. In a further project Professor Lundgren and his team analyzed crestal bone changes around ANKYLOS® implants placed non-submerged and at subcrestal positions. Minimal bone loss (0.1mm) was found around the ANKYLOS® implants.

Mineralized hard tissue on the implant shoulder was demonstrated in 69% of the implants at the 1-year follow up visit.