



## Lecture Abstract

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

- Implant prosthodontics
- Esthetics

#### **Professional skills:**

- Implant prosthodontics & restorative dentistry
- Implant laboratory techniques

### **20 years of implant prosthetics: Is what we have first learned still up-to-date?**

More than 25 years have passed since the formal introduction of the concept of osseointegration. Branemark in Sweden, Schroeder in Switzerland and Schulte in Germany were experimenting independently with titanium endosseous dental implants at the same time. In the 1980s the accumulation of sufficient data relative to the predictability of osseointegration moved from experimental to routine clinical use in European centers. At that time the concept applied to the restoration of the edentulous mandible with 4 to 5 implants anterior to the mental foramina. A few years later, the concept expanded to the placement of single and multiple implants in partial and completely edentulous sites in all areas of the oral cavity, in both original and augmented bone. Nowadays osseointegration is no longer regarded as a success but as a prerequisite. Most of the original guiding principles have changed or have disappeared altogether, and new concepts and techniques have replaced the old ones. New implant components, digitally customized abutments, navigation systems, CAD/CAM technology, Y-TZP and metal-free prosthodontics have arrived. In the near future, scanning technology will eliminate the need for implant impressions, further distancing dentistry from outdated restorative procedures.

The aim of this presentation is to examine whether the advent of all these new techniques is going to change the conventional implant prosthetic protocols.