



## **Academy of Prosthodontics Annual Scientific Session Ritz-Carlton, Sarasota Florida April 25 – April 29, 2017**

### **Program Speaker - Dr. Irena Sailer**

#### **Title**

*White and Pink Esthetics: The Science and Art*

#### **Abstract**

The restoration of a tooth or the replacement of a missing tooth in the esthetic area is very delicate, specifically in patient cases with high lip line. At demanding patients' high efforts have to be made to reduce the risk for not ideally shaped or colored restorations and/or for soft tissue discolorations in order to avoid esthetic failure. From a restorative point of view the type of reconstruction and the material it is made out of have a significant influence on the result. The current restorative material options offer many esthetic features to best copy the optical properties of teeth. The color, chroma and lightness of the esthetic materials (e.g. ceramics) are hereby important parameters. Furthermore, the translucency is a important both for the mimicking of teeth as also for the masking of discolorations. A structured approach for the evaluation and the establishment of the white esthetics helps reducing the risk for unpleasant surprises with the result.

Discolored non-vital abutment teeth are a specific challenge with this respect since they may not only be difficult to be masked, but they also may be associated with soft tissue discoloration. Recent studies have evaluated the threshold for the visibility of dental and of mucosal/gingival discoloration. These studies have shown that the human eye detects soft tissue discoloration at similar threshold values as it would detect tooth discoloration. Hence, the pink esthetics is at least as important as the white esthetics. Besides the non-vital teeth implant reconstructions may be challenging with this respect. It has been shown that greyish metallic abutments and metal- ceramic reconstructions lead to dark discoloration of the soft tissue. In conclusion, the selection of the material and the restorative components is of great importance for all types of restorations. Clinicians and technicians need to be aware of the possibilities and also of the limitations of the current restorative options.

#### **Learning Objectives**

1. Understand the criteria that influence the esthetics of teeth and of soft tissues
2. Learn about the visibility of discolorations
3. Learn about the restorative options, their possibilities and limitations
4. Learn to select restorative options for predictable white and pick esthetic

#### **Biography**

IRENA SAILER, DMD

received her dental education and Dr. med. dent. degree from the Faculty of Medicine, University of Tübingen, Germany in 1997/ 1998. In 2003 Dr. Sailer received an Assistant Professorship at the Clinic of Fixed and Removable Prosthodontics and Dental Material Sciences in Zurich. From 2010 on she was an

Associate Professor at the same clinic. In 2007 Dr. Sailer was a Visiting Scholar at the Department of Biomaterials and Biomimetics, Dental College, New York University, USA. Additionally, since 2009 she holds an Adjunct Associate Professorship at the Department of Preventive and Restorative Sciences, Robert Schattner Center, School of Dental Medicine, University of Pennsylvania, Philadelphia, USA. Irena Sailer is a Specialist for Prosthodontics (Swiss Society for Reconstructive Dentistry), and holds a specialization degree for Dental Implantology (WBA) of the Swiss Society for Dentistry. She is a Member of the Board of the Swiss Society of Reconstructive Dentistry and of the Swiss Leadership Team of the ITI (International Team for Implantology). Furthermore, Irena Sailer serves the Scientific Boards of the European Association of Osseointegration and the Swiss Society of Implantology.