

## Dr. Peter Wöhrle

### Title

Systematic Approach to Planning and Placing Implants for Maximum Prosthetic Outcome:  
The Future is here with CAD-CAM

### Abstract:

Recent advances in digital applications for implant dentistry have focused on the integration of the diagnostic phase, surgical implant placement and prosthetic reconstruction. Three-dimensional (dicom) data is collected prior to treatment initiation that can be useful throughout the course of treatment by fusing digital data capture of the intra-oral situation and the patient's anatomic structure. By doing this, crucial information is available to formulate a treatment plan that is based on achieving a predetermined prosthetic outcome. Subsequent planning is executive without the need for additional CBCT scanning. The prosthetic reconstruction can be planned for in advance, and implants can be delivered precisely using CT based guiding systems. The result is a workflow that mimics how conventional treatment is delivered, while ensuring a better outcome at less cost. In addition, new prosthetic techniques and materials are available that can result in a superior restoration for the patient.

### Learning Objectives

1. Discuss how digital data acquisition and planning can help establish the potential outcome as well as limits of any proposed treatment
2. Understand the various entry- and exit points of the digital workflow based on their preference and availability of digital equipment
3. Apply a materials selection algorithm to select the most appropriate dental materials for the various indications

### Biography

PETER WÖHRLE, DMD, MMedSc, CDT

Dr. Peter S. Wöhrle received his DMD degree «cum laude» and a Master of Medical Sciences in Oral Biology from Harvard University. In addition, Dr. Wöhrle completed the Advanced Education Program in Prosthodontics and the Advanced Education Program in Implant Dentistry at the Harvard School of Dental Medicine, and a four-year certified dental technician program in Switzerland. While at Harvard, he worked with his mentor, Dr. Paul Schnitman, on the groundbreaking concept of immediate loading of Branemark implants. Once in private practice in Newport Beach, California, Dr. Wöhrle applied these principles to the concept of immediate tooth replacement in the aesthetic zone. More recently, Dr. Wöhrle focused on the development of enhanced implant designs and on improving the digital workflow as it relates to Implant Dentistry. In addition, he developed the 3:1 format currently used for lectures worldwide. He is a member of the Academy of Osseointegration, The European Academy of Osseointegration, the American Academy of Esthetic Dentistry and the American College of Prosthodontists. Dr. Wöhrle is one of few dentists worldwide with formal training in the interrelating areas of implant surgery, implant prosthodontics and implant laboratory technology. His private clinic in Newport Beach, California, is limited to implant and prosthetic dentistry