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Digital impressions are constantly evolving and thriving more and more into the dental office. Whilst the number of intraoral scanning devices is increasing and updates of current systems happen on a regular base, the question is still how to use these, often expensive, devices to the best effort. Accuracy, ease of use, scanning technique, clinical indication are some of the keywords that always connect with digital impression systems.

The aim of this lecture is to give an actual overview on digital intraoral impression systems. The level of accuracy and the comparison to well established conventional impression techniques will be shown. The clinical indication based on accuracy and scan strategy can then serve as a guideline for the dentist, whether or not use such systems in the dental office right now.

**Academic and Professional Career**

- 1994 Abitur (university admission exam)
- 1994 - 1995 Military service, 5.PzGrnBtl 52, Rothenburg a.d.F., Germany
- 1995 - 2001 Dental School, Friedrich-Schiller-University, Jena, Germany
- 2001 Graduation as dentist (med. dent.)
- 2001 - 2002 Assistant dentist, Private Praxis, Bad Brückenau, Germany
- 2002 - 2006 Assistant dentist, Clinic for tooth colored and computerized restorations, Zürich, Switzerland
- 2006 Dr. med. dent. dissertation: "CEREC 3D Design, Education Material, Quality Assessment and Knowledge Transfer", University of Zurich, Zurich, Switzerland
- 2006 - 2012 Resident assistant /dentist, Department of computerized restorative dentistry, Clinic for Preventive Dentistry, Periodontology and Cariology, University of Zurich, Zurich, Switzerland
- 2013 – present Senior research assistant/dentist, Department of computerized restorative dentistry, Clinic for Preventive Dentistry, Periodontology and Cariology, University of Zurich, Zurich, Switzerland
- 2016 - present Coordinator Dental Education Curriculum, Center of Dental Medicine, University Zurich
- 2018 Habilitation PD Dr. med dent in "Computer-assisted restorative Dentistry"