

Course Objectives / Summary

ZP® Study Club Meeting # 2.1 (English)

Biological Principles in Implant Dentistry - Basis for Esthetics and Long-term Success ?!

Level: Advanced

Target group: Dentist, Dental Specialist, Dental Hygienist, Prophylaxis Assistant, Dental Technician, Naturopath, Partners in Business and Industry

Objectives:

- Knowledge and clinical transfer (step-by-step demonstration) of an optimum approach utilizing the 'Restoration-driven Implant Placement' protocol (prosthetically-driven implant placement)
- Knowledge and clinical transfer (step-by-step demonstration) of an optimum approach utilizing the 'Tissue-directed Implant Placement' protocol (biologically-driven implant placement)
- Challenges and limits of 'Bone Level Implant Placement Protocols'
- Challenges and limits of 'Soft Tissue Level Implant Placement Protocols'
- Differences between and clinical consequences of 'Matched Platform Implant Designs' vs. 'Switched Platform Implant Designs'
- Ability to place endosseous implants on a biological basis and thus resulting in predictable and reliable both periimplant hard- and soft tissue reactions even in challenging areas of interest (limited vertical bone height / proximity to anatomical structures etc.)

- Ability to the most biocompatible and easiest implant placement approach leading to inflammation- as well as infection-free long-term results
- Ability for an optimum treatment planning approach in a periodontally / periimplantologically completely healthy oral cavity
- Ability to precisely evaluate both periimplant soft- and hard tissue reactions long-term (crestal bone loss / pocket probing depth / bleeding parameter) leading to complication-free results based upon a customized maintenance care therapy
- Overview / future perspectives of latest research results in Implant Dentistry related to both quality and quantity of periimplant hard- and soft tissue integration

Summary:

For more than 40 years now, endosseous implants are both used clinically and followed-up scientifically. Over all these years, two major implant placement protocols have evolved, the 'Bone Level Implantat Placement Approach', where the Microgap between Implant and Abutment / Restoration is placed at the level of the crestal bone, as opposed to the 'Soft Tissue Level Implantat Placement Approach', where the Microgap is placed gently below the gingival margin within the periimplant sulcus. Long-term studies have clearly shown that both approaches can be used successfully focusing only on periimplant hard tissue integration ('Osseointegration' / Functional Ankylosis') or just implant survival as success / survival criteria. Recently, it has additionally been suggested to utilize an implant / restoration or abutment connection not only with a 'Matched Platform', but rather with a 'Switched Platform'. As of today, however, not a lot of data are available in terms of periimplant soft tissue reactions (Periimplantitis / Soft Tissue Recessions), which are directly related to hard tissue periimplant reactions ('Biological Width'). These aspects are crucial to our patients asking for esthetic implant-borne

restorations long-term. The goal of this clinical seminar is to focus on the easiest and most biocompatible approach in Implant Dentistry being discussed with multiple step-by-step clinical case presentations. Thus, optimum esthetic and biologically healthy long-term results can be achieved, which might be the crucial aspect for patient satisfaction as of today.