

“Customized and all-ceramic abutments: Advanced techniques for perfect tissue integration”

In the last years the esthetic demand of the patients in implant surgery is constantly increased. The request of a perfect esthetic nowadays concerns not only the frontal region, but even the posterior area.

The purpose of the presentation is to analyse the positive effects of full-ceramic CAD/CAM FRIADENT CERCON abutments, fabricated from yttrium stabilized - zirconium oxide (Y-TZP) from the morphological and biological point of view: Tissue management supported by digital pre-planned customized abutments is getting now new perspectives.

A prospective study will present a new surgical and prothetic protocol in respect of the peri-implant physiology and esthetics. The implant is treated like a tooth from the moment of the re-entry until to the cementation of the full ceramic crown.

Less invasivity of the peri-implant hard and soft tissue and less treatment steps are the common denominator of the presented technique. Investigations parameters included reactions of peri-implant tissue and the structural integrity of the all-ceramic superstructures on the implants. Results until 24 months of loading are presented.

The choice to utilize a full zirconia abutment with a pre-programmed form, optimal mechanical, biological and optical characteristics seems to be an alternative to the common prosthetic procedures in implant dentistry.