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Zero Peri-Implantitis – a Clinical Concept Aiming to Minimize Biological Complications to the Maximum Extent

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This presentation will reveal new insights and define an up-to-date understanding of the current dental implant prosthetic componentry, corresponding designs and related soft tissue barrier around.

A closer look is taken at established implant-abutment-prosthetic junctions. In particular, connections located intra-tissular and related componentry surface characteristics are continuously stressing peri-implant tissue physiology and jeopardizing soft tissue health. Thus, an early onset of peri-implantitis is facilitated. In return, a stringent zero gap philosophy by using a 2-piece tissue-level implant design allows for a rapid and undisturbed formation of the peri-implant soft tissue barrier. Moreover, a mucophilic surface at the level of the peri-implant soft tissue barrier enables instant cell adhesion, fast and unhindered cell migration, and a physiological turnover. In consequence, an unrivaled peri-implant soft-tissue barrier is established around this particular 2-piece tissue-level zirconia implant which secures long-lasting soft tissue health. Clinical short- and long-term data confirm that this specific material and design combination prevents peri-implantitis best.