Cell-to-Cell Communication: Peri-implantitis and its Prevention

Just like with natural teeth, if the plaque biofilm is allowed to accumulate at inflammation of the surrounding soft tissue - peri-implant mucositis - occurs which can subsequently develop into peri-implantitis, characterized by peri-implant bone destruction and even implant loss.

The new 3D movie Peri-implantitis and its Prevention, the sixth episode of the cutting edge HD video animation series on Cell-to-Cell Communication describes the processes from peri-implant health to mucositis, the transition from peri-implant mucositis to peri-implantitis and finally healing and prevention by visualizing the highly complex intercellular interactions and signaling pathways. Special attention is given on the situation around the healthy, functional dental implant, the aggregation of bacteria on the dental implant surface and the biofilm in the niches.

This sophisticated HD video animation even more successfully conveys the essentials of cell-to-cell communication, visualizing the invisible yet fascinating world of signals and signaling within the human body.

Outline
• Introduction: Peri-implantitis and its prevention
• From peri-implant health to mucositis
• From peri-implant mucositis to peri-implantitis
• Healing and prevention

DVD 1: Expert Version (Length: 15 minutes)
DVD 2: Public Version (Length: 15 minutes)

Advisory Board
I. Chapple | W. Giannobile | L. Heitz-Mayfield | Y. Maeda | M. Sanz | F. Schwarz

Fachgebiet(e): Implantologie