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Product information

Authors: Søren Jepsen / Mariano Sanz / Bernd Stadlinger / Hendrik Terheyden

Title: Cell-to-Cell Communication: Oral Health and General Health

Subtitle: The Links Between Periodontitis, Atherosclerosis, and Diabetes

Series: Cell-to-Cell Communication

Short text:

Can periodontitis or other inflammatory processes of the oral cavity contribute to systemic conditions such as atherosclerosis or diabetes, or negatively influence their course? This 3D animation Oral Health and General Health addresses these issues by visualizing the highly complex intercellular interactions and signaling pathways. Periodontal pathogens are invasive and can spread throughout the body via the bloodstream. Locally produced pro-inflammatory mediators can also shed into the circulation. This new film features an interdisciplinary topic, and in this context, special attention is given to diseases such as atherosclerosis and type 2 diabetes. This sophisticated HD video animation makes the relevant information and latest insights accessible to a wider audience.

Contents

- Dissemination of bacteria in periodontitis
- Impact of periodontitis on the cardiovascular system: Atherosclerosis
- Effect of periodontitis on glucose metabolism: Type 2 diabetes
- Dental treatment

Advisory Board

Prof. Dr. Iain Chapple • Prof. Dr. Robert Genco • Prof. Dr. Evanthia Lalla • Prof. Dr. Shinya Murakami

DVD 1: Expert Version (Length: 17 minutes)

DVD 2: Public Version (Length: 14 minutes)

Categories: Human Medicine, Interdisciplinary, Periodontics, General Dentistry