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Implant therapy in subjects susceptible to severe forms of periodontitis.

Recent data indicate that the outcome of implant therapy is different in periodontally compromised subjects. Results from clinical studies will be reported and the need to identify such patients in the planning of implant therapy will be elucidated. Long term results from studies on implant-supported constructions in periodontally compromised patients will be discussed.

One of the goals in implant therapy is to maintain healthy periimplant tissues and, hence, sufficient infection control around implants is required. The tissue response to microbial challenge at implants is in most aspects similar to that at teeth. Thus, periimplant mucositis is a reversible condition, which has many features in common with gingivitis at teeth. Periimplantitis, however, is a lesion that is associated with tissue destruction and corresponds to the periodontitis lesion at teeth.

In the presentation data from clinical and experimental studies will be reported. The clinical, radiographic and histological characteristics of periimplantitis lesions will be demonstrated and important diagnostic criteria will be discussed in relation to periodontitis at teeth. New data on the prevalence of periimplantitis will be presented and treatment procedures will be illustrated. The influence of implant surface roughness on the progression and treatment of periimplantitis will be discussed.