



Peri-implantitis ratio in patients with prior periodontal disease: a literature review

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ABSTRACT

Peri-implant diseases, such as mucositis peri-implant and peri-implantitis, are associated with oral biofilm accumulation. Like periodontitis, peri-implant diseases have progressive destruction of insertion apparatus from inflammatory disorder in host-microorganism interaction, as well as sharing a similar microbiota in their pathogens. Patients with prior history of periodontal disease showed a greater tendency to failure in the osseointegration of dental implants. Therefore, the objective of this review is to analyze the existing literature in search of

scientific evidence that relate the predisposition to peri-implant diseases in patients with previous history of periodontal disease. A literature review was performed from 15 articles from Scientific Journal of the Virtual Health Library (BVS) and PubMed, between 2008 and 2022, in Portuguese and English languages. The present study shows that patients with current diagnosis or historical periodontitis have been a higher risk of peri-implantitis involvement, especially those with a more severe picture, negatively reflecting the survival of implants and their success rates. Individuals framed in these aspects need to remain in rigorous periodontal health control due to the susceptibility of damage to implemented rehabilitation. Although the literature supports that there is such an association, plus clinical studies are necessary to understand how this interaction occurs between pathologies in order to improve the predictability of mechanisms of loss of bone implants, given that they affect periodontal support structures.

Keywords: dental implants, periodontitis, peri-implantitis.

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