

Interdisciplinary Treatment for Therapeutic Occlusion of Stage IV Advanced Periodontitis Patients

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A stage IV periodontitis patient is defined in terms of the degree of inflammation progression, as a case in which clinical attachment loss is greater than 5 mm, radiologically, alveolar bone loss extend to the center of the root or more and 5 or more teeth are extracted. In addition, if functional problems related to dental occlusion are added, the case becomes more complicated. For example, if secondary occlusal trauma, severe alveolar bone defect, posterior Bite collapse with or without pathologic tooth migration are accompanied. In this case, a comprehensive treatment plan across all areas of dentistry beyond the scope of simple inflammatory treatment and Interdisciplinary treatment based on this are required.

That is, in the case of moderate or more advanced periodontitis, patients are experiencing tooth mobility and tooth loss due to severe loss of periodontal attachment apparatus. In particular, when accompanied by pathologic tooth migration, an increase in occlusal trauma makes the disease more complicated, and posterior Bite collapse with loss of vertical dimension can lead to serious esthetic problems in the anterior teeth. For these patients, conventional periodontal treatment and occlusion-based treatment planning are necessary and the former is for control of inflammation and periodontal maintenance without recurrence of the disease and the latter is for the harmony between the teeth with moderate or poor prognosis and the implant prosthesis. So, we need to do 'interdisciplinary treatment', so called "Periodontics-Prosthodontics-Orthodontics" combined treatment. For this purpose, the orthodontic treatment, mainly performed to treat adolescent patients for esthetic goals at past, must be included in the process of establishing functional therapeutic occlusion with the concept of implant site-preparation for the patients with pathologic occlusion.

In this presentation, I will discuss the criteria of the tooth extraction based upon the periodontal prognosis. And I will explain the sequence of interdisciplinary treatment including orthodontic treatment, for the establishment of therapeutic occlusion of stage IV advanced periodontitis patients

Profile

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