

題名:Multidisciplinary care of the periodontally compromised patient

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摘要:In contemporary dental care, an increasing number of adult patients are seeking orthodontic treatment. In such adult patients, a combined orthodontic and other specialized therapy often offers the best option for achieving a predictable outcome to solve complex clinical problems. This case report demonstrates a combined therapy with orthodontic, periodontic, and implant-prosthetic treatments in a 56-year six-month-old female patient with mild diastemata in the maxillary anterior region and a missing left maxillary second premolar caused by a periodontal disease with medium bone loss. The patient had improved her oral hygiene condition through periodontal treatment before orthodontic treatment. The patient was orthodontically treated with a maxillary lingual arch and a maxillary edgewise orthodontic appliance. Active orthodontic treatment was completed in 18 months, and an implant-supported prosthesis was placed with a single crown in the region of the left maxillary second premolar. The treatment outcomes, including the periodontal condition and the dental implant treatment, were stable at two years after the active orthodontic treatment. We demonstrate that combined orthodontic-periodontic-implant-prosthetic treatment can achieve an improved masticatory function, esthetics, occlusion, and periodontal condition.