

A case of lower removable partial denture with dental magnetic attachment

S. Tsuda, S. Masumi, E. Makihara, T. Watanabe, T. Masumi, M. Yagi, M. Arita

Division of Occlusion and Maxillofacial Reconstruction, Department of Oral Function, Kyushu Dental University

Abstract

The patient was a 67-year-old female who had visited our clinic. She had complaint of her lower removable partial denture. She was provided with a non-metal clasp lower partial denture from a certain dental clinic. However, she could not wear it because the gingival inflammation caused by the non-metal clasps of the denture cut into her gingiva. She hoped another type of esthetical partial denture without clasps. No.45 was designed as a root cap with a stud attachment and No.37 was designed as magno-telescopic crown. As No.33 of direct abutment tooth was vital, this tooth was designed as a resin-facing crown with an extracoronal dental magnetic attachment. As for patient education after wearing the denture, in addition to explanation of cautionary circumstances concerning dental magnetic attachment, we instructed about cleaning method of extracorporeal attachment region of No. 33 in particular.

Because the new denture was good esthetically, and putting on and taking off and the cleaning were easy, it went to the satisfaction to a patient. The results of evaluation of various functions before and after treatment were found an improvement tendency.
