

The postoperative investigation of an abutment tooth using a magnetic Attachment

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Abstract

The magnetic attachments can be small and powerful attractive force by using a neodymium magnet which is one of rare earth magnets. This system can be used as abutment tooth by decreasing the lateral force even if crown-root ratio is poor. Therefore the clinical efficacies of a magnetic attachment have been widely demonstrated. It is thought that it is necessary to observe the long-term progress of the abutment tooth after setting of the magnetic attachment to get a good clinical result. The purpose of this study was to observe the long-term progress of abutment tooth with magnetic attachments. The investigation period was five years from 2008 to 2013, and it was the case of regular visits.

As a result of postoperative investigation of an abutment tooth, the following knowledge was obtained. The number of teeth with magnetic attachment was 257, and the upper jaw was more than 1.5 times larger than the lower jaw. The number of missing teeth of the abutment tooth with magnetic attachment in the investigation period was 48 teeth, the maxillary first premolar was the most, and the order of lower first premolar and maxillary canine was followed.
