

A case of edentulous maxillae with implant overdenture

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Introduction

Many patients complain of discomfort in the palate when wearing maxillary dentures, and in clinical practice, many patients desire a palate-free denture. Palateless dentures have a wider tongue tuft, stabilize the tongue position, secure the airway area, and are expected to improve swallowing, pronunciation, taste, etc., and have long been considered as dentures that are comfortable to wear. This time, we will report that we performed an edentulous maxillary implant overdenture (IOD) using the MACS system and obtained good results.

Case report

The patient is a 69-year-old man. He came to our hospital complaining that his upper dentures tended to come off easily, and that he had difficulty chewing and pronouncing. His upper jaw was edentulous and he requested an IOD using an implant. Four implants were placed in the upper jaw, and after a period of unloading, secondary surgery was performed, impressions and occlusal recordings were taken, and palateless IOD was attached using the magnetic attachment of the MACS system.



Figure 1. Intraoral views and removed dentures at the time of initial examination.



Figure 2. Panoramic radiographs at the time of initial examination



Figure 3. Intraoral view after fitting the keeper of a magnetic attachment and MACS system

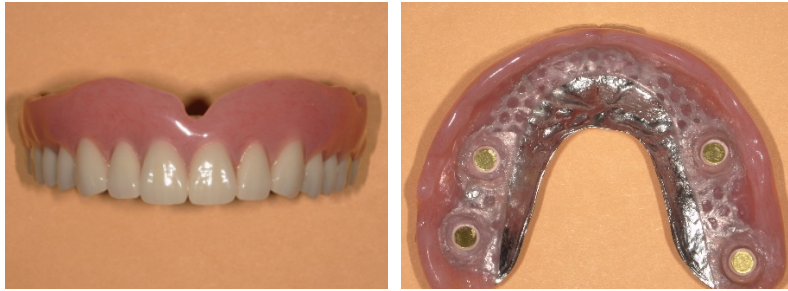


Figure 4. Overlay denture and the magnetic attachment and MACS system



Figure 5. Intraoral view with definitive prostheses

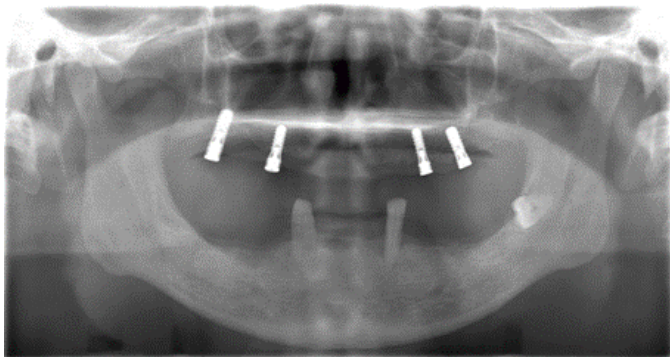


Figure 6. Panoramic radiographs at the postoperative visit

Results

Problems with mastication and pronunciation could be improved by wearing a stable denture with less discomfort using a palate IOD using a magnetic attachment.

Conclusions.

IOD using the MACS system were suggested to be beneficial.

References

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- 2) J.Tanaka. Fundamentals and clinical applications of implant overdentures new edition -Focused on applying magnetic attachments -, Ishiyaku Publishers Inc, Tokyo, 148-155, 2020.