



Title Treatment of Multiple Missing Teeth in Adults with Rare Diseases by Using Implant-Supported Denture

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Aim

To assess the clinical value of procedures for treating adults with dental agenesis due to rare genetic diseases.

Conclusions

This assessment was carried out within the framework of the Rare Diseases Program set up by the French Ministry of Health and Solidarity and is intended to advise the French National Health Insurance (NHI) on the reimbursement of procedures.

Rehabilitation with removable implant-supported dentures is a good alternative to conventional dentures in treating multiple dental agenesis. Implant-supported dentures have considerable functional, esthetic, and psychological advantages over conventional dentures. In these specific genetic syndromes the safety and efficacy of surgical and prosthetic procedures depend on interdisciplinary management, which is decisive for successful treatment outcomes.

Recommendations

HAS' opinion is that these procedures should be reimbursed. For preimplant surgery of atrophic jaws, HAS recommends critical assessment of the need and the appropriate type of bone or soft tissue augmentation procedure involving less risk of complications.

Methods

Clinical data published from January 2000 to October 2010 – obtained from a document search of MEDLINE and the Cochrane Library – were critically analyzed. The analysis included 21 case series (syndromal agenesis), 19 systematic reviews, 3 guidelines, and 5 technology reports (implant rehabilitation of edentulous patients). A multidisciplinary working group consisting of 8 odontologists and 3 maxillary surgeons discussed the results of this analysis. Conclusions have been reviewed by the Commission d'Evaluation des Actes Professionnels (CEAP), the HAS specialized appraisal committee.