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Improve the Quality of Life with Magnetically Implant-Supported Overdenture

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ABSTRACT

Patient chief complaint: A 50-year-old woman comes to the Dental Hospital Hasanuddin University Makassar with complaints of masticatory disorders because the dentures that have been used for 9 years are loose and wobbly so that they feel painful when used to eat. **Patient's Oral Status:** Intra-oral examination revealed the upper and lower jaws the patient is completely edentulous. In the lower jaw is also accompanied by alveolar ridge resorption. **Treatment plan:** Using an implant-supported overdenture with magnetic retention in the mandible while in the maxilla a conventional denture because there was still a portion of the maxilla that could be used for retention. **Detail of therapy:** After obtaining the patient's consent and confirming that the patient had no parafunction, two implants were placed on the body of the mandible using a single stage. Right and left implant length 12.0 mm, diameter 4.0 mm. Surface Both the magnet and the attachment guard are coated with titanium nitride (TiN). **Clinical significance of therapy:** Magnetically implant-supported overdenture can restore masticatory function and restore quality of life.

Keywords: implant, magnetic overdenture, resorbed alveolar ridge, quality of life