

증례Ⅳ - 5

**Implant supported attachment RPD in severely resorbed maxilla**

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One extremely important area of implantology involves treatment of the totally edentulous arch, a situation that today is common mainly in elderly and lately middle-age patients especially in an atrophied edentulous arch, the use of complete denture is often associated virtually insoluble problems for dentists and patient. The use of the implants can help to avoid functional difficulties as well as esthetic compromises.

In order to fulfill these demands, it is critical that the dentist carefully analyzes the patients specific condition, and that an appropriate implant-prosthetic treatment concept is instituted.

In this case, for treatment of the edentulous maxilla, in which fixed implant-support prosthesis and removable partial denture was employed to fit the specific requirements of patient.

Patient is a 40-year-old female with natural teeth in both arches. The planning phase comprised a functional analysis with a diagnostic tooth arrangement, as well as a CT of the maxilla. There is advanced atrophy of the alveolar process, especially on the posterior part of the maxilla. All

remaining teeth in maxilla except #28 were extracted because of advanced adult periodontitis, and temporary denture was placed. For this reason, no fixed bridgework on osseointegrated implants and complete denture was considered in second choice. A favorable prognosis for a functionally and esthetically acceptable implant borne prosthesis in the maxilla was made. The patient's temporary denture could be used for planning the positions of implants.

For the maxilla, of the construction on 5 implants was installed. A fixed implant-supported prosthesis and RPD with resilient attachments is an excellent alternative to routine complete denture. It has the following advantages: Esthetic and functional factors, Adequate support for the soft tissues, Decreased compression of the edentulous ridge in function, Immovability of the anterior segment.

Six months after implant placement, UCLA abutments are placed. And mini-dalbo attachment RPD anchored to a fixed implant-supported prosthesis was fabricated.