



Removal, after 7 years, of an implant displaced into the maxillary sinus. A clinical and histologic case report

ABSTRACT

Even if the placement of endosseous implants in the posterior maxilla has become a standard procedure, different complications can occur and among these there is the implant displacement inside the maxillary sinus, that may cause local infection around the implant; it is the most common effect and consequently may lead to an extensive resorption of the surrounding bone. The main cause of implant displacement is the inadequate bone height in the posterior maxilla.

In this article the Authors reported a case of an implant migrated inside the maxillary sinus at the time of abutment connection and removed 7 years later. After the removal of the implant, a bone OsteoBiol® *Lamina* (Tecnoss®, Giaveno, Italy) was used to close the lateral window of the sinus. The mucoperiosteal flap was then replaced and sutured with multiple horizontal mattress sutures.

The removed implant underwent histological examination, while post-surgical visits were scheduled at monthly intervals to check the healing process. 7 months after the implant removal from the maxillary sinus a CAT scan image revealed normal mucosal thickness and no opacification of the left maxillary sinus.

CONCLUSIONS

In case of the displacement of an implant into the sinus, the implant must be removed and so it is important to accurately evaluate the specific characteristics of the patient and receptor site in order to establish the best treatment of the specific clinical case that can include the use of a graft material to fill the residual cavity.

LATERAL ACCESS SINUS LIFT

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