

15 years results of the Coralina[®] Hydroxyapatite HAP-200 as a bone implants in maxillofacial surgery

Resultados de 15 años empleando la Hidroxiapatita Coralina[®] HAP-200 como implante óseo en cirugía maxilofacial

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Abstract

Introduction: Porous Coralina[®] Hydroxyapatite HAP-200 is a biomaterial for bone implants developed for more than 15 years and it has been applied with success as bone graft substitute and as integrated ocular implant. In this paper we report the application of Porous Coralina[®] Hydroxyapatite HAP-200 for the restoration of bone defects in the maxillofacial region are presented 383 patients, between 1992-2006. **Material and Methods:** The material was use (granules and blocks) to the bone space and finally they were placed and fixed to the surrounded tissue without osteosynthesis and following the indications and established norms for the use of this type of implants. The postoperative evaluation was carried out at the 7 d, month, at three months, at six months and up to year after surgery keeping in mind the presence and intensity of the pain, erythema, edema, infection or exposition of the implant biomaterial according to the indication in the protocol of clinical evaluation of these products as well as the radiographic images **Results and Discussion:** The study includes the clinical and longitudinal radiographic evaluation in the first year after implantation demonstrate excellent results as for the tolerance and biocompatibility of the product, achieving an excellent aesthetic restoration. In no case adverse reactions to the implanted biomaterial were found. **Conclusion:** The obtained results using the Coralina[®] hydroxyapatite HAP-200 as bone graft substitute in the reconstruction of maxillofacial bone defects are excellent. It presents a great biocompatibility with the bone tissue and for this reasons its use is recommended for this type of reconstructive surgery.

Keywords: Biocompatible materials; Hydroxyapatite; Maxillofacial implants; Maxillary Cysts; Preprosthetic Surgery.