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The treatment of a sinus lift case by means of tooth derived autograft

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The article describes the treatment of an upper left posterior crest that was severely resorbed due to maxillary sinus enlargement of a 68-year-old patient with controlled diabetes and hypertension. The patient undergone a sinus lift operation and two dental implants were placed simultaneously. The bone substitute used in the sinus lift was derived from patient's own teeth that were extracted during the same session, half an hour prior to the sinus lift operation. And 18 cc blood was withdrawn from the patient to obtain Platelet Rich Fibrin (PRF) in order to be mixed with the graft material and to be used as barrier membrane to cover the graft. The results were assessed after 5 months and 2 years by means of panoramic radiography and dental tomography and there was an obvious bone maturation and trabeculation in the grafted area which we believe to be due to the use of a noble bone substitute derived from patient's own dentin and the use of PRF.

Biography

Mucahid Dogan has graduated from the Faculty of Dentistry of Hacettepe University, Ankara, in 2006. He has then attended a Doctorate program in the field of Oral and Maxillofacial Radiology in the University of Erciyes, Kayseri in 2007. He has been running his own private clinic since 2009 and his fields of interest are oral tissue engineering and dental implantology.

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