

Frontal sinus obliteration and craniofacial reconstruction with platelet rich plasma in a patient with fibrous dysplasia

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J. J. Mendonça-Caridad, P. Juiz-Lopez, J. P. Rubio-Rodriguez: Frontal sinus obliteration and craniofacial reconstruction with platelet rich plasma in a patient with fibrous dysplasia. Int. J. Oral Maxillofac. Surg. 2006; 35: 88–91. © 2005 International Association of Oral and Maxillofacial Surgeons. Published by Elsevier Ltd. All rights reserved.

Abstract. Frontal sinus obliteration is accomplished with many materials such as fat, bone, muscle and alloplasts. Fat obliteration is very common but not devoid of morbidity. An alternative method of treatment with PRP platelet rich plasma and human bank bone or autogenous cortical shavings is presented for obliteration and craniofacial repair. A patient with severe symptomatic fronto-orbital fibrous dysplasia underwent reconstruction with PRP. After an uneventful recovery there was complete remission of the symptoms and early bone formation; 18 months after surgery the patient remains asymptomatic and free from sequels. PRP associated to an allograft or to cortical bone shavings seems to be a safe and simple treatment with the advantage of the absence of donor site surgery and morbidity.