Augmentation of a bone defect in the maxillary posterior region with sticky bone (combination of xenograft and PRF) as a prerequisite for implant placement

Assoc. Prof. Biljana Evrosimovska, PhD; Doc. Bruno Nikolovska, PhD Spec. Ana Gigovska Arsova, Prim. Zaklina Menceva, PhD

Introduction: Dental implant installation requires a quality and quantity of alveolar bone sufficient to support implantation. Guided bone regeneration or GBR is most often used when there is inadequate bone for implant placement.

Aim: In this study was performed alveolar ridge preservation confirming the potential use of bovine hydroxyapatite xenograft and PRF

in the treatment of bone defects.

Material and methods:







Fibrin clot



The PRF clot was gently pressed into a membrane in box, and bone graft material mixed with A-PRF cut on pieces.



Case report:



Radix gangrenous of second upper premolar



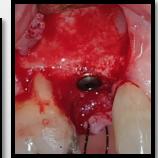
Applied A-PRF membrane over the sticky bone



enhance the

regeneration

Intraorally after 5 mounts of GBR



Platelet-rich fibrin (PRF) is a biologically active

efficacy of angiogenesis, tissue

neovascularization,

material used for bone regeneration, which can

and

postoperative edema and pain.

reparative inflammatory response



and

regulate

decrease

Implant placement, X-Ray of implant placement after 3 mounts

Conclusion:

The combination of bovine hydroxyapatite xenograft and PRF on the treatment of bone defects led to the achievement outstanding results with good radiological and clinical backings.



gingiva former



abatement



porcelain crown.