



STIMULATION OF REGENERATION OF LESION TRAUMATIC WITH USE OF PLATELET-RICH AUTOGENOUS PLASMA. REVISION OF LITERATURE



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The part of the decade of 90, the platelet-rich autogenous plasma has been used in the unity of surgery, with the objective of accelerate the repair of wound of surgeries through of the regeneration of tissue (DUSSE L.M.S., et al., 2008). The platelet act in the process of homeostasis, cicatrize of wound and reconstruction of tissue (VENDRAMIN F.S., et al., 2006). They liberator diverse growth factors how stimulant the angiogenesis, promoting growth vascular and proliferation of fibroblast, that for your time proposed add in the synthesis of collagen (TÖNZÜM T.F., et al., 2003). The platelet-rich plasma is gotten by centrifugation of blood in low velocity, of mode the sedimentate the red blood cell and maintain the platelets in suspension in the plasma (FREYMILLER E.A., et al., 2004). With the objective of recognize the regeneration of traumatic lesion with application of platelet-rich autogenous plasma went fulfilled a study of description of bibliographic revision, for middle of base of die of articles of the scientific literature. With base in the finding, is concluded how the use of PRP is a big factor stimulant of the regeneration of tissue. Same before of your little use in health, the PRP demonstrate a big potential of improvement of the result in diverse proceeding of surgery in the acceleration of the regeneration and cicatrize of the tissue injured.

Keywords: Regeneration tissue, use of plasma autogenous, platelet-rich plasma.

Fig. 2 - Platelet Derivated Growth Factors

Platelet Derivated Growth Factors- $\alpha\alpha$ (PDGF- $\alpha\alpha$)

Platelet Derivated Growth Factors- $\beta\beta$ (PDGF- $\beta\beta$)

Platelet Derivated Growth Factors- $\alpha\beta$ (PDGF- $\alpha\beta$)

Transforming Growth Factors- β 1 (TGF- β 1)

Transforming Growth Factors- β 2 (TGF- β 2)

Insulin-like Growth Factor-1 (IGF-1)

Insulin-like Growth Factor-2 (IGF-2)

Vascular Endothelial Growth Factor (VEGF)

Epithelial growth Factor (EGF)

Platelet-derived Angiogenesis Factor (PDAF)

Platelet Factor-4 (PF-4)

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