

Platelet-rich plasma: growth factor enhancement for bone grafts

RE Marx, ER Carlson, RM Eichstaedt... - Oral Surgery, Oral ..., 1998 - Elsevier

Platelet-rich plasma is an autologous source of **platelet**-derived growth factor and transforming growth factor beta that is obtained by sequestering and concentrating **platelets** by gradient density centrifugation. This technique produced a concentration of human ...

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[CITATION] **Platelet-rich plasma**: evidence to support its use

RE Marx - Journal of oral and maxillofacial surgery, 2004 - WB Saunders

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Platelet-rich plasma (PRP): what is PRP and what is not PRP?

RE Marx - Implant dentistry, 2001 - journals.lww.com

Platelet-rich plasma (PRP) has been a breakthrough in the stimulation and acceleration of bone and soft tissue healing. It represents a relatively new biotechnology that is part of the growing interest in tissue engineering and cellular therapy today. Because of its newness, ...

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Is platelet-rich plasma the perfect enhancement factor? A current review.

AR Sánchez, PJ Sheridan, LI Kupp - The International journal of oral ..., 2002 - europepmc.org

Guided bone regeneration is an accepted surgical method employed in implant dentistry to increase the quantity and quality of the host bone in areas of localized alveolar defects. The lack of predictability in osseous regenerative procedures with various grafting materials ...

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Growth factor levels in platelet-rich plasma and correlations with donor age, sex, and platelet count

G Weibrich, WKG Kleis, G Hafner, WE Hitzler - Journal of Cranio- ..., 2002 - Elsevier

Introduction: **Platelet-rich plasma** contains autologous thrombocyte growth factors and might be promising for acceleration of dentoalveolar bone regeneration. In this study, it was analysed for **platelet** counts and growth factor concentrations. Material and method: ...

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Treatment of chronic elbow tendinosis with buffered platelet-rich plasma

A Mishra, T Pavelko - The American journal of sports medicine, 2006 - ajs.sagepub.com

Address correspondence to Allan Mishra, MD, Menlo Medical Clinic, Stanford University Medical Center, Department of Orthopedic Surgery, 1300 Crane Street, Menlo Park, CA 94025 (e-mail: allan_mishra{at}yahoo.com). ... Background: Elbow epicondylar tendinosis is a ...

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The use of autologous platelet-rich plasma (platelet gel) and autologous platelet-poor plasma (fibrin glue) in cosmetic surgery.

D Man, H Plosker, JE Winland-Brown - Plastic and reconstructive ..., 2001 - europepmc.org

The purpose of this study was to evaluate a new technique of harvesting and preparing autologous **platelet** gel and autologous fibrin glue (body glue) and to evaluate their effectiveness in stopping capillary bleeding in the surgical flaps of patients undergoing ...

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Quantification of growth factor levels using a simplified method of **platelet-rich plasma** gel preparation

R Landesberg, M Roy, RS Glickman - Journal of Oral and Maxillofacial ..., 2000 - Elsevier

Purpose: This study compared two methods of preparing **platelet-rich plasma** (PRP) gel and the levels of PDGF and TGF β in each preparation. Materials and Methods: **Platelet-rich plasma** gel was prepared by centrifugation and clotted using the ITA gelling agent (Natrex ...

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Platelet quantification and growth factor analysis from **platelet-rich plasma**: implications for wound healing

BL Eppley, JE Woodell, J Higgins - Plastic and reconstructive ..., 2004 - journals.lww.com

Abstract Growth factors released from activated **platelets** initiate and modulate wound healing in both soft and hard tissues. A recent strategy to promote the wound-healing cascade is to prepare an autologous **platelet** concentrate suspended in **plasma**, also ...

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Classification of **platelet** concentrates: from pure **platelet-rich plasma** (P-PRP) to leucocyte- and **platelet-rich** fibrin (L-PRF)

DMD Ehrenfest, L Rasmusson, T Albrektsson - Trends in biotechnology, 2009 - Elsevier

The topical use of **platelet** concentrates is recent and its efficiency remains controversial. Several techniques for **platelet** concentrates are available; however, their applications have been confusing because each method leads to a different product with different biology ...

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