

Current Knowledge and perspective of application of Platelet rich fibrin in Periodontics



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Abstract

Platelet concentrates for surgical use are innovative tools of regenerative medicine, and were widely tested in oral and maxillofacial surgery. In periodontology and dentoalveolar surgery, the literature is particularly dense about the use of the various forms of Platelet-Rich Plasma (PRP) - Pure Platelet-Rich Plasma (P-PRP) or Leukocyte- and Platelet-Rich Plasma (L-PRP) - but still limited about Platelet-Rich Fibrin (PRF) subfamilies. This presentation describes the knowledge about the use of PRP and PRF during extraction, mucogingival surgery, Guided Tissue Regeneration (GTR) or bone filling of periodontal intrabony defects, and regeneration of alveolar ridges using Guided Bone Regeneration (GBR), in a comprehensive way and in order to avoid the traps of a confusing literature and to highlight the underlying universal mechanisms of these products. Finally, we particularly insist on the perspectives in this field, through the description and illustration of the systematic use of L-PRF (Leukocyte- and Platelet- Rich Fibrin) clots and membranes during tooth avulsion, cyst exegesis or the treatment of gingival recessions by root coverage. This presentation describes the various application of PRF in Periodontics.



Biography:

Sathish Rajendran has completed his masters in periodontology from meenakshi ammal dental college. He has obtained fellowship from international congress of oral implantologist. He works an assistant professor in the dept of periodontology training both under graduate and post graduate students. He has been numerous publications in national and international journals. He has been a guest speaker in international dental conference.

Speaker Publications:

1. "Case Report Dentistry Section Hereditary Gingival Fibromatosis: Report of Family Pedigree of Three Generations CASE REPORT Case-1", Journal of Clinical and Diagnostic Research/Vol 13 issue 5
2. "ROOT COVERAGE USING DOUBLE PAPILLA REPOSITIONED FLAP WITH CONCENTRATED GROWTH FACTOR", International Journal of Scientific Research/ Vol 9 issue 2:23998-24001
3. "ROOT COVERAGE USING DOUBLE PAPILLA REPOSITIONED FLAP WITH CONCENTRATED GROWTH FACTOR", February 2018
4. "Understanding dental provider-EHRs interaction during the patient visit in dental care" International Symposium on Human Factors and Ergonomics in Health Care/ March 2013
5. "Using Clinical Phenotypes for Generating Dental Patient Personas", juniperpublishers/ Vol 1, Issue 1, March 27, 2017

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