

3rd Euro-Global Experts Meeting on

Medical Case Reports

June 30-July 02, 2016 Valencia, Spain

Platelet concentrates: A viable option for an enviable result

Sonu Acharya
SOA University, India

Development of the bioactive surgical additives is one of the great challenges of clinical research which has been used to regulate inflammation and increase the speed of healing process. Recent scientific development in the concept of tissue engineering has brought about a drastic improvement in the healing response of tissues. Various pathological entities result in dysfunction of the oral tissues and creation of bony defects, thus affecting the quality of life in these patients. The pivotal goal in endodontic, periodontal and maxillofacial tissue regeneration is to reconstruct these defects which led to the search of a bio-fuel. There has always been a focus on devising a “wonder material” that is most effective in its regenerative potential. Various platelet-derived products or platelet concentrates have been introduced that act as biological mediators aiding the healing response. Platelet rich fibrin (PRF) is one such product that has proved its worth and has edged past the others. The Choukroun’s platelet rich fibrin has opened lot many avenues in the field of dentistry, majorly focusing on the improved healing and regeneration. PRF is a second-generation platelet concentrate widely used to accelerate soft and hard tissue healing and is a strictly autologous fibrin matrix containing a large quantity of platelet and leukocyte cytokines. The basic idea of this paper is to assess the potential use and benefits of Platelet-Rich Fibrin for wound healing and regeneration which are the essence of regenerative dentistry..

Biography

Sonu Acharya completed his BDS in 2003 from the first dental college of India, Dr.R.Ahmed Dental College,Kolkata and completed his Masters (MDS) in Pediatric Dentistry from prestigious Manipal College of Dental Sciences, Manipal in 2006. He is presently working as a Professor in Institute of Dental Sciences, SOA University, India. He is editorial member of American Journal of Public Health, Nigerian Journal of Experimental and clinical biosciences, Journal of Applied dental and medical sciences, Asian Journal of Pharmacy.

sonu_ain@yahoo.com

Notes: