

24th World Congress on

Dentistry and Oral Health

June 12-13, 2017 London, UK

Autologous CGF - The New Age Grafting Material

Fatima Al-Khateeb

Faculty of Dentistry UiTM, 47000 Sg Buloh Selangor, Malaysia

Periodontitis patients constitute a sizeable portion of cases presenting to daily dental practice. Often these patients present at advanced stages where irreversible defects can be seen, such as severe soft tissue and bone recession, infrabony defects and periodontally unsalvageable teeth deemed for extraction. Current day regenerative procedures have aided the augmentation of such sites, rendering them ready to receive prosthetic replacements to restore function and aesthetics. Among these procedures are guided bone and tissue regeneration (GBR/GTR) and socket preservation, with each utilizing a different material to cater for a specific type of defect. Conventionally, xenografts derived from porcine, bovine, equine sources, etc. and a variety of barrier membranes of similar origin are used for these procedures. This modality however is not free from limitations which range from the risk of rejection to religious issues with the use of materials derived from certain animals to the greater overall cost the patient has to bear. This article therefore aims to explore the efficacy of autologous concentrated growth factors (CGF) as an 'all-rounder' multipurpose grafting material through a series of cases depicting its use in different types of defects. CGF has been proven to have osteoinductive as well as osteoconductive properties. It is free from the risk of rejection whilst sparing the need for autogenous donor site surgery and it is more cost effective to the patient among other benefits. Therefore CGF could be a valuable regenerative grafting alternative.

Biography

Fatima Al-Khateeb completed her Bachelor's degree in Dental Surgery at IIUM in 2014. Currently she is affiliated to the Faculty of Dentistry at UiTM, Malaysia's largest university. Apart from practicing general dentistry, she is undergoing extensive training in oral surgery and periodontology. She is also active in regenerative and aesthetic dentistry where she has authored a number of papers.

khateebf89@gmail.com

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