Intentional replantation by using Platelet Rich Fibrin (PRF): A literature review

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Abstract

This paper will shed light on a very crucial yet not fully elucidated topic in oral surgery which is intentional replantation. Despite Intentional replantation (IR) is not a newly described technique, and it has been performed for a long time with a success rate varies between 52- 95%, we can enhance the results by using an advanced biotechnology material as Platelet Rich Fibrin (PRF).

Saving natural teeth is our utmost goal, but in some cases the natural tooth cannot be saved by the traditional treatment techniques, for that this tooth will be treated by an unconventional way as intentional replantation.

Intentional replantation is a procedure in which an intentional tooth extraction is performed followed by reinsertion of the extracted tooth into its own alveolus after tooth treatment i.e. after an endodontic manipulation and an apicectomy are done. Howevr, this procedure may involve curettage of the socket to remove any remaining granulation tissue.

This article briefly explains the literature review of the protocol for Intentional Replantation e.g. techniques and armamentarium, discusses the advantages and disadvantages of the Intentional replantation and illustrates the new technique by using PRF.

Biography

Samuel T. Armanious has received his BDS. Degree in 2012 from Cairo University. He has attended many post-graduate courses worldwide to further his knowledge in the dental field as Medical Emergencies in the dental office course from Cairo University (2013), Infection control course from Cairo University (2013), Implant Dentistry course from the University of Hong Kong (2016) Fixed Prosthodontics & CAD/CAM Program Course from MDS Organization (2017) and Improving Your Image Course from University of Birmingham (2018).

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