

Triple Antibiotic Paste and Pulp Regeneration Protocol

Ardavan Parhizkar ¹, Saeed Asgary ², Hanieh Nojeh-Dehian ¹

1. Department of Dental BioMaterials, School of Dentistry, Shahid Beheshti University of Medical Sciences, Tehran, Iran

2. Research Centre for Dental Studies & Sciences, School of Dentistry, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Corresponding Author: Ardavan Parhizkar, E-mail: drfatemi@gmail.com

ABSTRACT

With the contemporary schools of thought in Medicine and Medical - related fields, in which replacement methods are being gradually substituted by regenerative approaches, new concepts in Dentistry such as “Vital Pulp Therapy” and “Endodontic Regeneration Protocol (ERP)” with promising results and outcomes have recently been taken into account. One of the most premiere requisites in the aforementioned modern strategies is the eradication and removal of the existing microorganisms through the disinfection and possible sterilization of the pulp chamber and radicular system; which appears to be accomplished by the proper use of antibiotics in the “Root Canal Area”; particularly with the application of a paste - a combination of Ciprofloxacin, Metronidazole and Minocycline - when ERP is specially sought; since the said formula seems to effectively invade the intracanal pathogenic microbiota, remove them from the area and next to the needed instrumentation, prepare a matrix for further healing of the pulpal tissue. Research, investigation and studies have revealed the significance of TAP, which has found its place as an inseparable component of such treatments, resulting in tissue regeneration and subsequent healing of the pulp.