

**THE EFFICACY OF PLATELET RICH PLASMA  
THERAPY IN SKIN REJUVENATION**

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## ABSTRACT

Throughout the recent years, due to numerous factors including better nutrition, improved medicines, and advances in technology that allow earlier detection and treatment of disease life expectancy has increased and it has caused "aging". The expulsion in interest in methods of rejuvenation has paralleled the general public interest in acquiring a youthful appearance by rehabilitating the aged skin. Therefore the quest for skin rejuvenation has rolled out. Current medical modalities such as injection of botulinum toxin and fillers only provide symptomatic relief of skin aging signs but cannot induce changes at cellular level. Laser therapy is another method of treatment is used to counter the skin aging, but with its own possible risks. Platelet Rich Plasma (PRP) therapy is a relatively new treatment. There are many claims that PRP therapy as a revolutionary treatment can induce cell growth in the skin which results in retarding and reversing the aging process. The present study is aimed to determine the clinical potency and safety of PRP therapy in skin rejuvenation. A comprehensive search using PubMed and Cochrane library was conducted published articles in English language. A total of eight articles, randomized and non-randomized clinical trial, were included for analysis. The keywords used were Platelet Rich Plasma, PRP, skin rejuvenation, skin aging, skin, platelet rich plasma therapy. Seven of eight studies showed improvement the skin after termination the treatment sessions with PRP. Clinical assessment which have done through patient satisfaction questioners, pretreatment and post treatment photography and skin biopsy showed significant improvement in the skin appearance. Therefore, this review concluded that Platelet Rich Plasma therapy is an effective treatment for skin rejuvenation.