

REGENERATIVE PROPERTY OF
AUTOLOGOUS PLATELET RICH
PLASMA (PRP) IN TREATMENT OF
KNEE OSTEOARTHRITIS (OA)

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ABSTRACT

The study tested the beneficial effect of autologous platelet rich plasma (PRP) in treatment of knee osteoarthritis (OA). A literature review was chosen for this study. Kon et al reported that intraarticular PRP injection in 100 patients with knee OA had positive effects on improving pain and quality of life at the one year follow-up. In another study by Kon et al also reported that PRP treatment is safe, improve knee function in younger patient with low degree of articular degeneration compare to in elderly patient with severe lesion. Filardo et al in their study investigated the persistence of the beneficial effect of PRP in 91 patients with knee OA. This study concluded that PRP treatment for knee OA can reduce pain and improved knee function. Another study by Lim et al in year 2010 reported that PRP is safe for knee OA, reduced pain and also improved the quality of life. Samson et al in their pilot study also reported the same result that PRP is safe, reduced pain and improved physical activity. Autologous PRP injection is one of the recent treatment modalities in the management of knee OA which can provide better and longer pain relief, increase physical disability and improved quality of life provided the treatment were given at the very early stage for the best result to achieve.