

Treatment for androgenetic alopecia with microneedling along with platelet rich plasma- Albania Alekya- Apollo Clinics

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Basal Platelet Rich Plasma (PRP) has already shown favorable results in patients treated for androgenetic alopecia in the recent years. It is known that its growth factor properties accelerates the dermal papilla, this causes stimulation of the hair growth in treated areas of scalp. However, as we progress further in Trichology, there is an immense increase in the need for attaining results at a faster pace. PRP alone takes time to show results on treatment areas and it also requires a certain number of treatments at regular intervals. Results also depend on the amount of PRP injected and the mechanism used to derive the plasma, leaving us with not many options for patients requiring faster results. Microneedling is a minimally invasive procedure, which causes minute punctures in stratum corneum with the help of a roller that has fine needles attached to it. When

rolled on the treatment area, it causes minute injuries in the skin on the scalp. This induces neovascularization and growth factor production, resulting in stimulation of hair growth. Patients with mild to moderate AGA with Hamilton-Norwood score 2-4 were treated with PRP alternating with microneedling. All the patients were on topical Minoxidil and oral Finasteride daily. The scalp condition was assessed after six treatments of PRP and microneedling. All the patients have shown positive results with hair growth on the treated areas. So it is concluded that while PRP alone is also a beneficial treatment for patients with AGA, alternating it with microneedling would assist in hastening the process of stimulation and thereby giving earlier results to the patients.