



HAIR DISORDERS

ROLE OF PLATELET-RICH PLASMA IN MALE PATTERN BALDNESS: A RANDOMIZED PLACEBO CONTROL TRIAL

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Background: Male pattern baldness is a common chronic hair loss disorder. It is characterized by progressive hair loss, affecting both sexes. Male pattern baldness is characterized by stepwise miniaturization of the hair follicle, resulting from alteration in the hair cycle dynamics, leading to the vellus transformation of the terminal hair follicle. Platelet-rich plasma (PRP) seems to be a new technique may improve hair regrowth.

Objective: We aimed to evaluate the efficacy of PRP versus normal saline (placebo) by clinical evaluation and dermoscopic examination.

Material and methodology: Forty patients were allocated into two groups by randomization; first group interfollicular injection of PRP, the second group with placebo injections was given monthly for three months and followed up for next two months. Patients assessed by dermoscopic photomicrograph and macroscopic photographs taken in every session from front, vertex, lateral view of both sides. The effects of the treatment assessed by hair density, Hamiton Norwood grading, patient self-assessment.

Result: Patients treated with PRP have significant increase in hair density than placebo ($p < 0.05$). Most of the patients in PRP group were satisfied.

Conclusion: PRP is more effective in the treatment of male pattern baldness than placebo as evaluated by clinical and dermoscopic examination.

