



DERMOSCOPY AND SKIN IMAGING

## DERMOSCPIC PRE - AND POST TREATMENT EVALUATION IN PATIENTS WITH ANDROGENETIC ALOPECIA ON PLATELET RICH PLASMA – A PROSPECTIVE STUDY

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**Materials and Methods:** It is a prospective comparative study. Twenty male patients with AGA, aged 18- 45 years with modified Norwood -Hamilton classification grade II – VI were included in this study. Patients were given platelet-rich plasma injections every 3 week for a period of 3 months. Dermoscopy was performed with 10 x magnifications in polarized mode at baseline and at 3 months from the baseline and photographs were taken. Patients were evaluated based on following dermoscopic findings A) hair count, B) hair density, C) hair diameter diversity, perifollicular pigmentation, yellow dots, multi hair follicular units, honeycomb pigment pattern and white dots, D) patient's hair growth assessment score.

**Results:** Post therapy, patients showed significant improvement in hair count (27.4 %), hair diversity (84.2%), increase in number of thick, terminals hairs, reduction of yellow dots (60%), perifollicular pigmentation (92.3%) was appreciated. Hair pull test negative after treatment in 10 patients (50%). Patient's hair growth assessment score showed 50-75% improvement in 7 (35%) patients.

**Conclusion:** Dermoscopy helps to easily evaluate and compare the therapeutic response pre – and post treatment which can be easily documented and visualised at every visit.

### KEYWORDS

Androgenetic alopecia, platelet rich plasma, dermoscopy

