



HAIR DISORDERS

“INTERVENTIONAL STUDY TO COMPARE THE EFFECT OF INTRALESIONAL TRIAMCINOLONE ACETONIDE VS INTRALESIONAL PLATELET RICH PLASMA ON TWO DIFFERENT PATCHES OF SAME ALOPECIA AREATA PATIENT”

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Introduction: Alopecia areata(AA) is a chronic non-scarring alopecia that involves the scalp and/or body, and is characterized by patchy areas of hair loss without any signs of clinical inflammation. Corticosteroids are the most popular drugs for the treatment but localized atrophy is a common complication, particularly if triamcinolone is used. Platelet-rich plasma (PRP) is an autologous preparation of platelets in concentrated plasma is a simple, yet effective procedure in the treatment of AA.

Aims & Objectives: To evaluate the comparative efficacy of intralesional injection of triamcinolone acetonide with intralesional injection of autologous platelet rich plasma in the treatment of AA.

Materials and methods: This is a interventional study with pre and post comparison in which each individual acted as his/her own control. Ethical clearance was obtained. Each patient was subjected to detail history taking and clinical examination. 30 patients with ≥ 2 patches of AA would be chosen. One patch was selected, each for intralesional injection of PRP and Triamcinolone acetonide. A total of 5 such sittings were given at the interval of 3 weeks. SALT (Severity of Alopecia Tool) score of each patient before initiating as well as after completion of treatment were taken with photographs and Mac Donald Hull and Norris grading score during each followup after consent on which results were assessed.

Results: SALT score, Mac Donald Hull and Norris grading system and photographs showed significant improvement up to 3 months with Triamcinolone acetonide with some atrophy while PRP showed significant linear improvement with no complication.

Conclusion: Triamcinolone acetonide showed better outcome in short term with some





complication while PRP shows better outcome in long term follow-up with no complication but painful procedure.

