

DERMA PEARLS : THERAPEUTICS- 10

Intralesional Pentoxifylline Injection Versus Triamcinolone Acetonide in Treating localized Alopecia Areata:



- ❑ Patients were randomly divided into two groups of AA patches; Group A received intralesional triamcinolone acetonide diluted in normal saline to a concentration of 5mg/mL, with a session-maximum dose of 20mg TRA, while Group B received intralesional PTX (100mg/5ml) with a maximum of 20mg (1mL) per session.
- ❑ Pentoxifylline is a methyl-xanthine derivative with multiple anti-inflammatory effects. reduces inflammation by blocking pro-inflammatory cytokines like IL-1, IL-6, and IL-8 & effectively inhibits T lymphocyte activation
- ❑ With TCA ,Local atrophy, hypopigmentation and telangiectasia are reported .PTX, on the other hand, has a vasculogenic protective effect via vasodilatation mediated through decreasing the oxidative stress and the associated inflammation.
- ❑ The high response after use of the PTX was found in 50 percent of patients.
- ❑ Intralesional injection of PTX seems to be effective and safe treatment for localized AA and could be used as a possible alternative to TCA.

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Further Reading: J Clin Aesthet Dermatol. 2023 Nov; 16 (11):26-30.