

Off-label topical Minoxidil monotherapy successfully used on eyebrow Alopecia areata plaque

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Sir.

Alopecia areata (AA) is a sudden burst of hair loss on the scalp and other hair-bearing, its etiology is related to a mononuclear cell and an INF-y drove TCD8 autoimmune infiltration among bulb of the diseased hair follicles^{1,2}. Current treatment modalities available are only able to manage the disease, often with unsatisfactory results, treatment consists of topical, intralesional or oral corticotroph^{2,3}. Topical Minoxidil is a well known used drug for male and female androgenetic alopecia, which mechanism of action is incompleted described. It does not make part of the standard treatment in AA and it's effectiveness is not a consensus, reported case-by-case, effectiveness is improved by the combination of therapies use, rarely in monotherapy^{2,3,4}. Moreover, according to Rai, 2017⁵ topical Minoxidil use under childhood has been related to induce hypertrichosis as a possible side effect. Despite this, we described a case of a 16-years-old teenager successful use of topical 5% Minoxidil twice a day to treat an eyebrow patchy [FIGURE 1], hair growth has been recovered into 4 months [FIGURE 2].

Anti-inflammatory effect of Minoxidil, downregulating IL-1 cytokine⁶ may play a significant role in mild AA cases. Our case can be an open door to future trials and essays applying Minoxidil under AA treatment.

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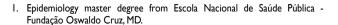




Figure Nº I. Área de alopecia de las cejas.



Figure N° 2. Minoxidil twice a day to treat an eyebrow patchy, hair growth has been recovered into 4 months.

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