The benefit of a dermocosmetic in telogen effluvium

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INTRODUCTION

Telogen effluvium (TE) is one of the most common causes of alopecia. It is characterized by excessive shedding of hair. Several factors such as drugs, trauma, and emotional and physiological stress can lead to the development of chronic TE. Multiple alterations in the hair cycle have been proposed as the underlying mechanism. Telogen effluvium can present as acute or chronic hair fall with symptoms such as trichodynia.^{1, 2} A limited benefit of topical or systemic anti-hair loss treatment along with medical treatments has been reported in the literature in chronic TE.³⁻⁵

The dermocosmetic AMI5 contains 2,4 diamino-pyrimidine-oxide, SP94, Arginine, Piroctone Olamine, Vichy thermal water and was developed to manage specifically hair loss.

2 OBJECTIVE

To assess the efficacy of AMI5 on the diameter of the hair shaft and hair density, its local tolerance and subject satisfaction in patients with chronic TE.

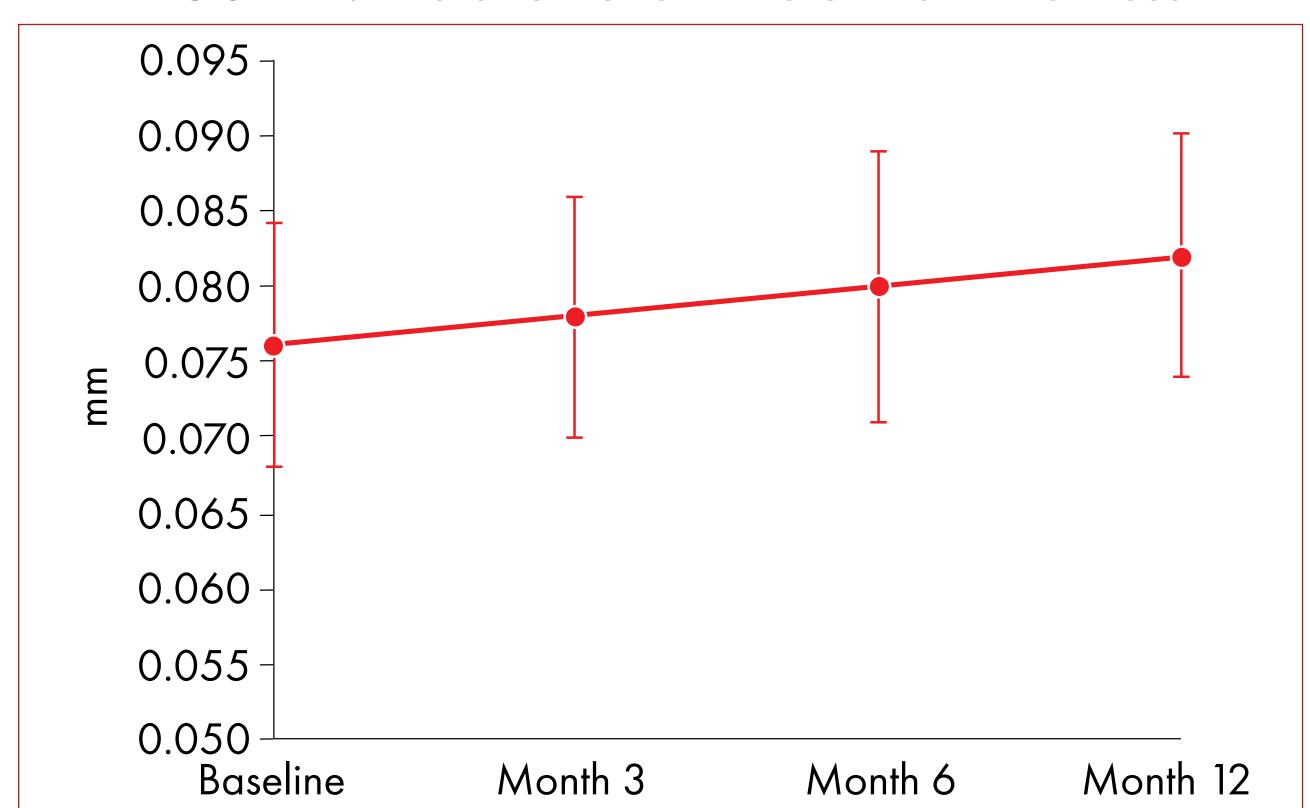
3 MATERIALS & METHODS

- This was an open-label, multicenter, prospective observational study
- 20 subjects with chronic TE, with no treatment for their hair loss, applied AMI5 on their scalp and hair every day during 3 months followed by 3 times a week during the following 9 months
- The average diameter of hair shaft and hair density were measured using Trichoscan at baseline, Month 3, 6 and 12
- Tolerability and satisfaction regarding the subjectperceived improvement in the hair condition were assessed at baseline and after 12 months

4 RESULTS

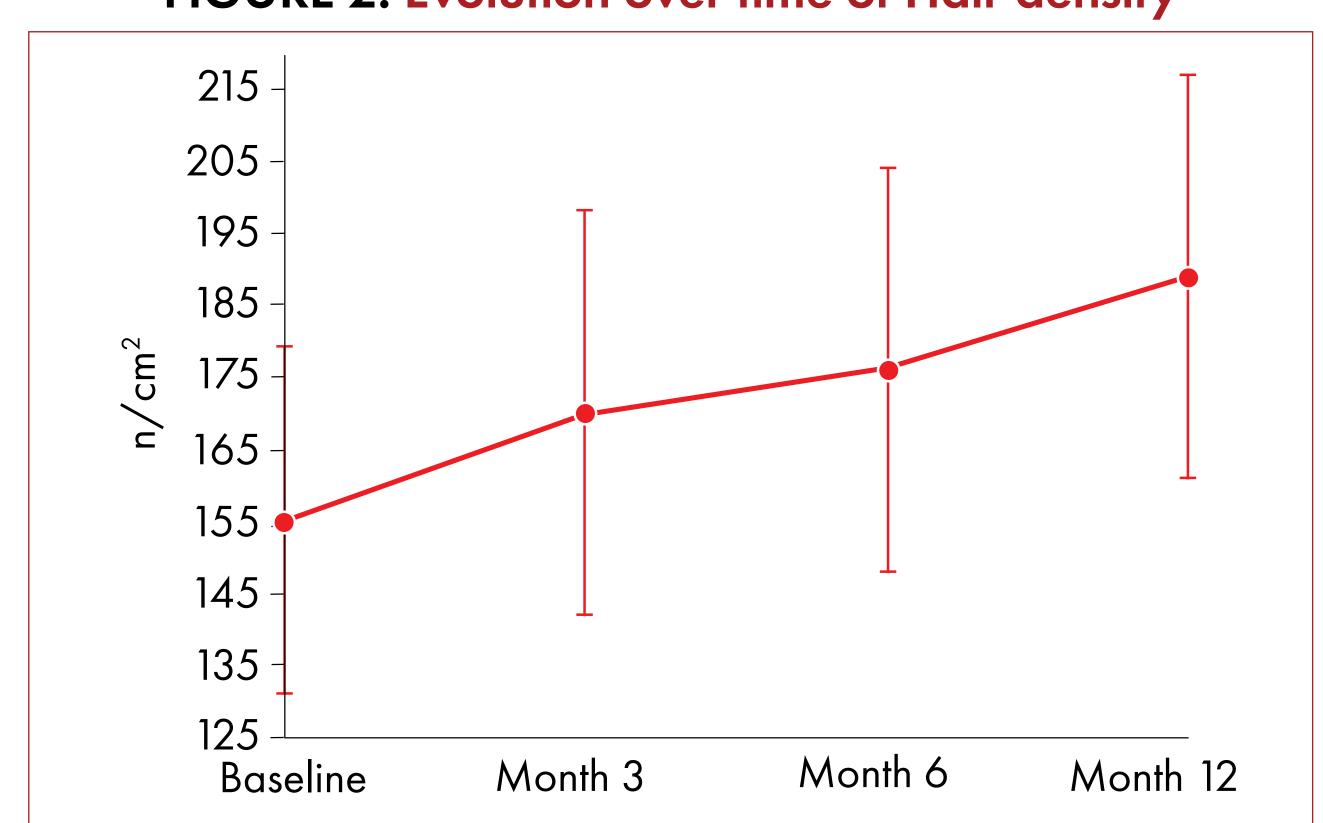
- A significant (p<0.001) increase of 9.0% in hair diameter (Figure 1) and 22.0% in hair density (Figure 2) was observed at the end of the study compared to baseline
- Chronic TE had significantly (p<0.001) improved in all subjects after 12 months of AMI5 use
- Figure 3 provides visual results of chronic TE improvement from 2 subjects after 12 months of use
- Figure 4 provides results from Trichoscopy at baseline and after 12 months
- Subjects highly appreciated AMI5
- AMI5 was well tolerated

FIGURE 1: Evolution over time of Hair thickness



The increase was significant (p<0.001) from baseline as early as Month 3

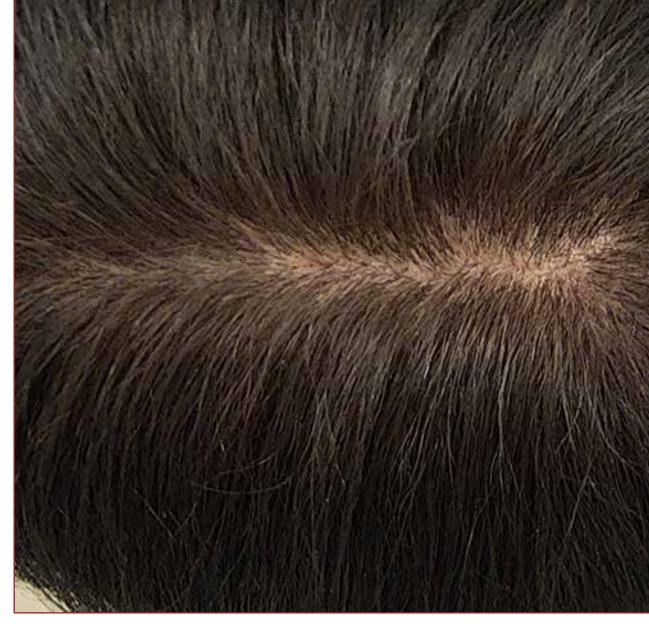
FIGURE 2: Evolution over time of Hair density



The increase was significant (p<0.001) from baseline as early as Month 3

FIGURE 3: Evolution over time of Hair density BASELINE MONTH 12





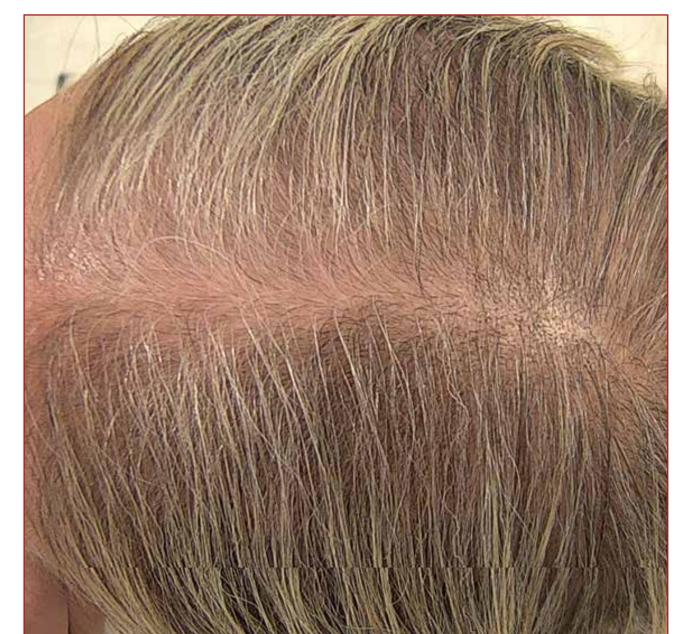
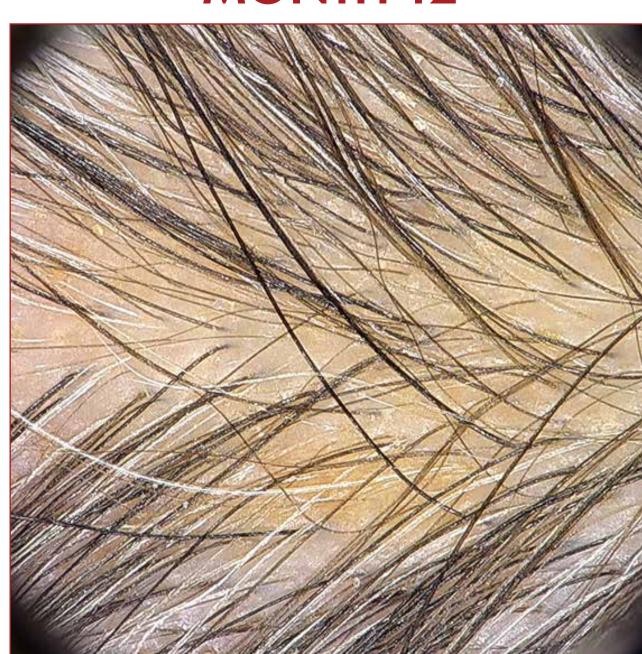




FIGURE 4: Trichoscopy:
Results at baseline and after 12 Months
BASELINE MONTH 12





CONCLUSIONS

- AMI5 is beneficial in increasing hair density and thickness in subjects with chronic TE.
- Subjects highly appreciated and well tolerated AC5.
- AMI5 may be considered an option to manage chronic TE.

