

## EFFECT OF A SPECIFIC TETRAPEPTIDE FORMULATED IN A LOTION FOR WOMEN SUFFERING CHRONIC HAIR LOSS (CHL)

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### LEARNING OBJECTIVE

Present an alternative treatment in management of female chronic hair loss.

### INTRODUCTION

25% of women from 35 to 45 years old and 45% of women over 40 are experiencing CHL <sup>(1)</sup>. The aim of this study was to investigate the effect of a specific tetrapeptide-based lotion in female CHL.

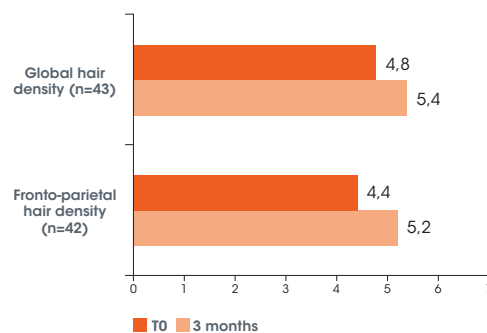
### METHODOLOGY

Ten American dermatologists had conducted a study with women suffering from CHL for longer than 1 year. Patients applied 1ml of the lotion once daily for a 3-month period. Global hair loss severity, hair density were evaluated by physicians and patients at baseline (T0) and week 12 with a 10 points scale. Efficacy, clinical response and tolerance of the product were also evaluated.

### RESULTS

47 women with an average age of 52 participated in the study. After 3 months of use, dermatologists and patients confirmed a significant improvement in hair density (4,8 to 5,4;  $p=0,0192$ ) (Fig 1). At week 12, dermatologists observed a significant decrease in the general severity of chronic alopecia (5,1 to 4,5;  $p<0,05$ ). The overall efficiency was considered as "good to excellent" for over 81% of subjects. The cutaneous tolerance of the product for 93% of subjects was very good.

Fig 1: Hair density score (0 to 10)



### CONCLUSION

This study has shown that the tetrapeptide lotion is effective and well tolerated in the management of female CHL.