

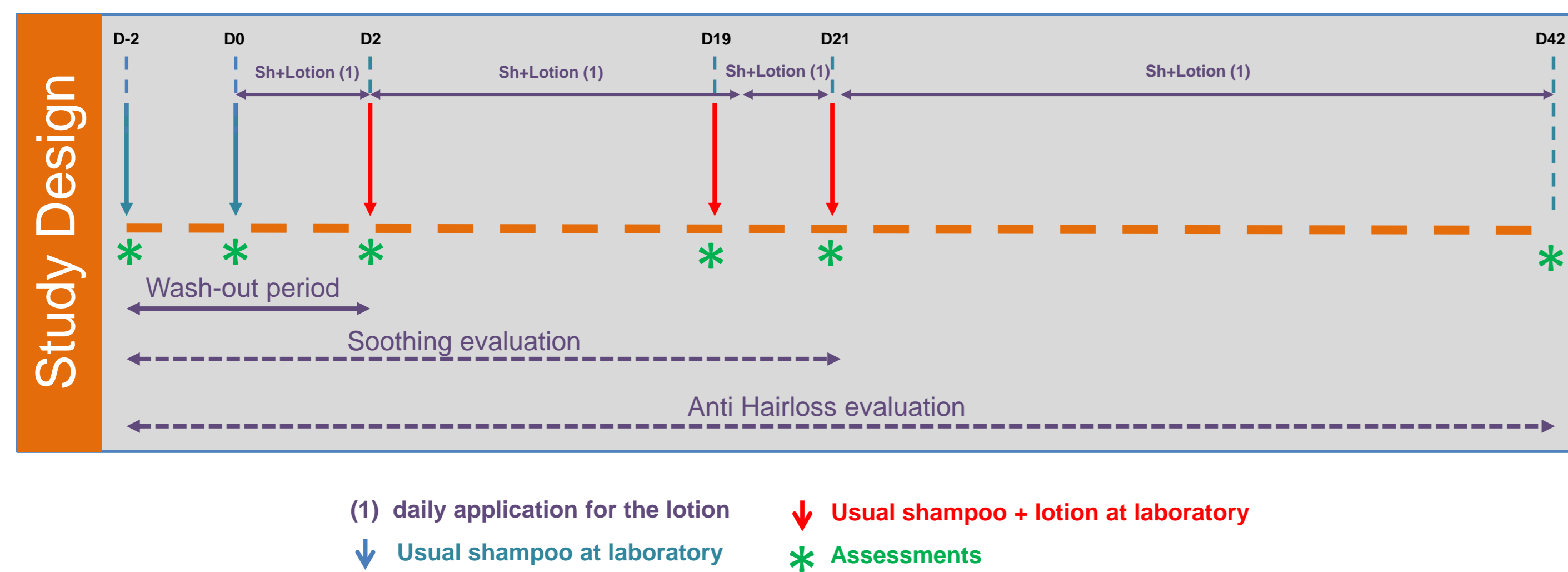
INTEREST OF THE ADDITION OF OCTOPIROX IN AN ANTI HAIR-LOSS CARE : AN *IN VIVO* STUDY.

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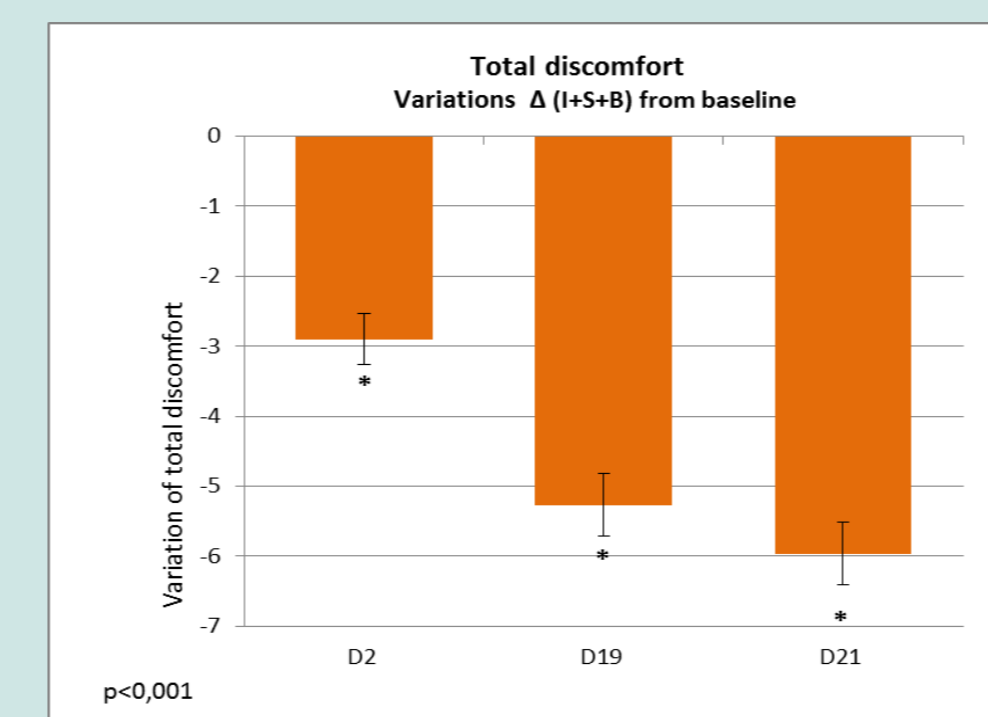
INTRODUCTION

A significant part of subjects with alopecia present a very sensitive scalp .
The aim of this study is to evaluate *in vivo* the coupled effects of a new hair lotion in soothing the scalp while sustaining its anti-hair loss property.

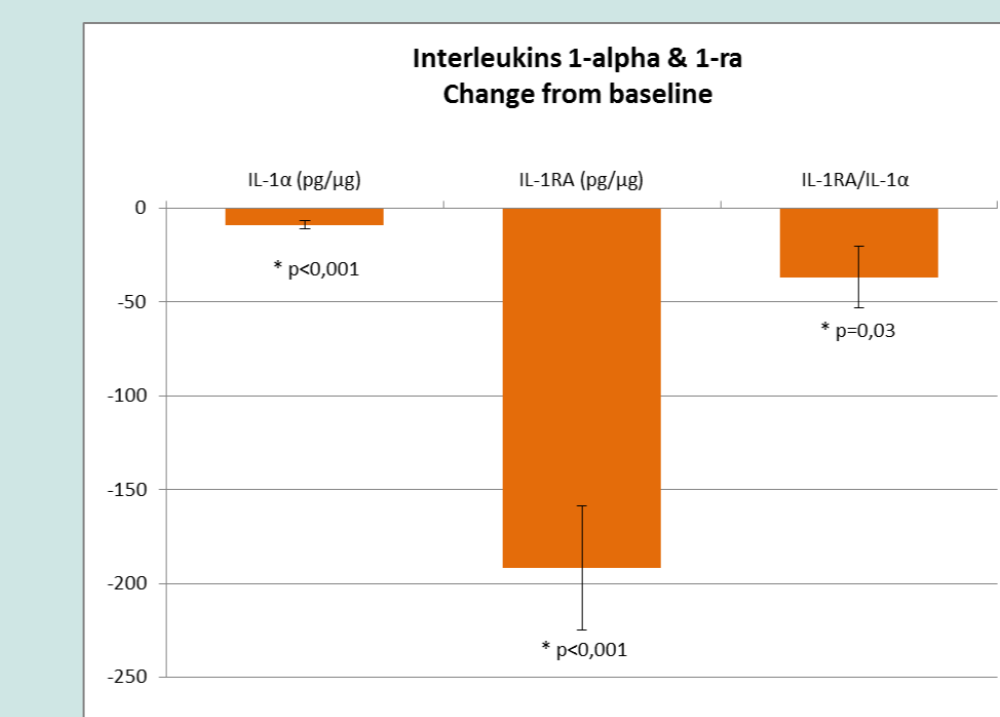
STUDY DESIGN



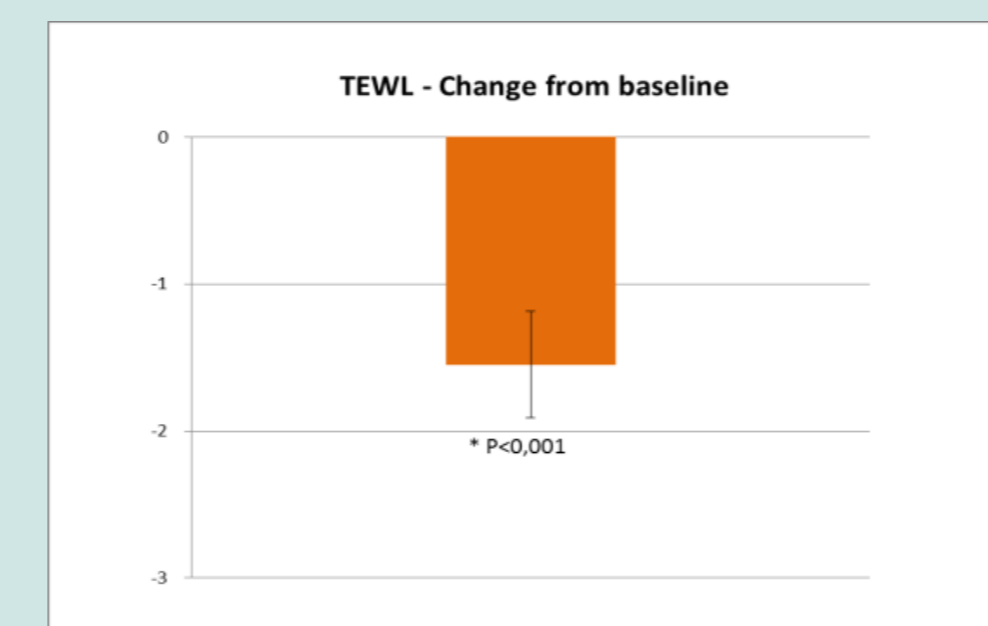
SOOTHING ASSESSMENT



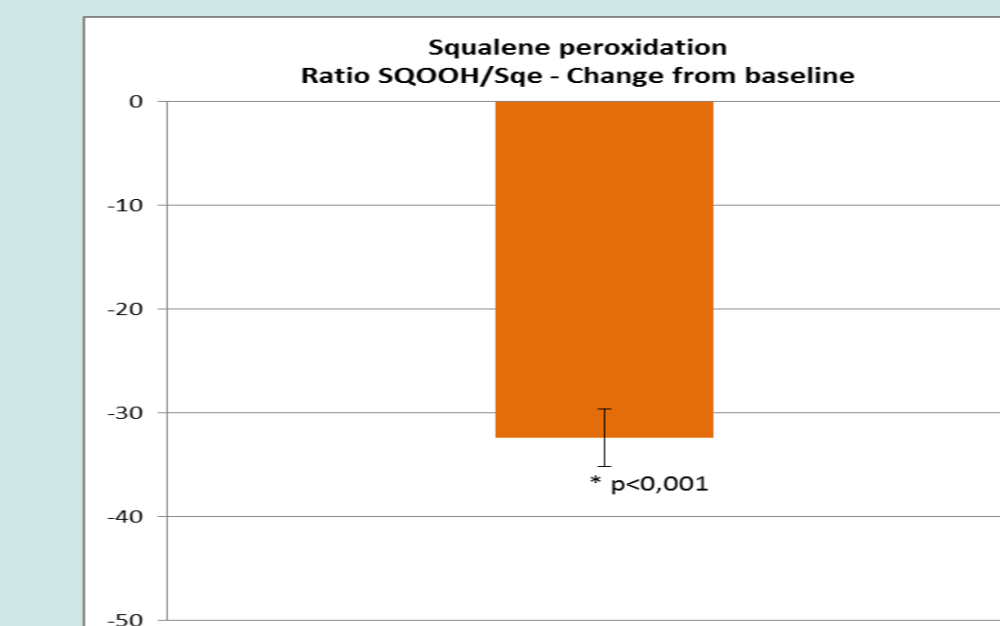
Discomfort (itching + stinging + burning sensation) :
- global score : significant decrease
- Individual items: regular and significant decrease



Inflammation markers (IL1 α , IL-1RA) : significant decrease



TEWL: slight but significant decrease



Ratio SQOOH/Sqe : significant decrease

RESULTS

Soothing efficacy after a 3-week application:

- Decrease of the discomfort
- Decrease of the water loss
- Decrease of the inflammation markers

MATERIALS and METHODS

Population

- 100 healthy subjects aged 22-59 years (49 women, 51 men)
- with moderate alopecia (Ludwig type I for most women and Hamilton types III to IV for men, as determined by a dermatologist)
- with sensitive scalp (self-declaration, from slight to severe)
- free from dandruff and any other scalp disorder or disease (as per dermatologist)

Product

- Gelified lotion containing 1.5% Aminexil, 0.25% Piroctone Olamine and 1% mineral rich Spa Water

Efficacy assessment

Primary objective

Evaluation of the soothing effect on scalp of a lotion after a 3-week application

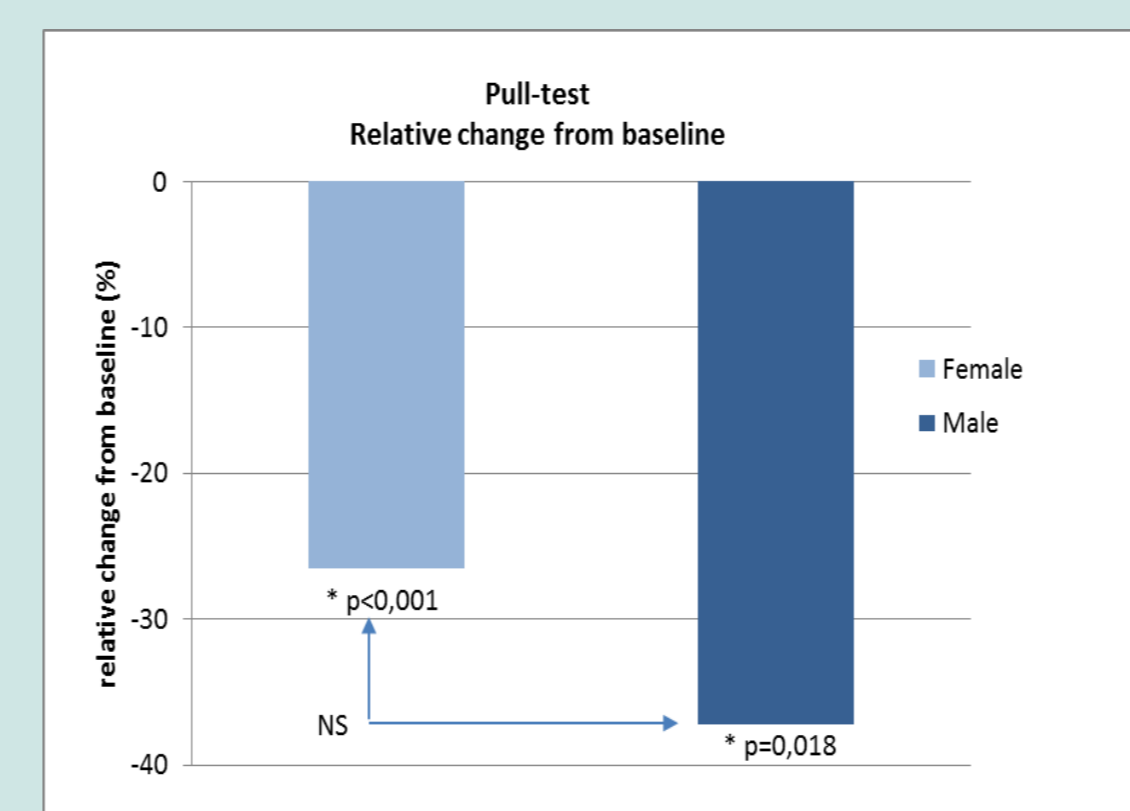
Secondary objective

Evaluation of the anti-hair loss effect and the cutaneous tolerance on scalp of a lotion after a 6-week application

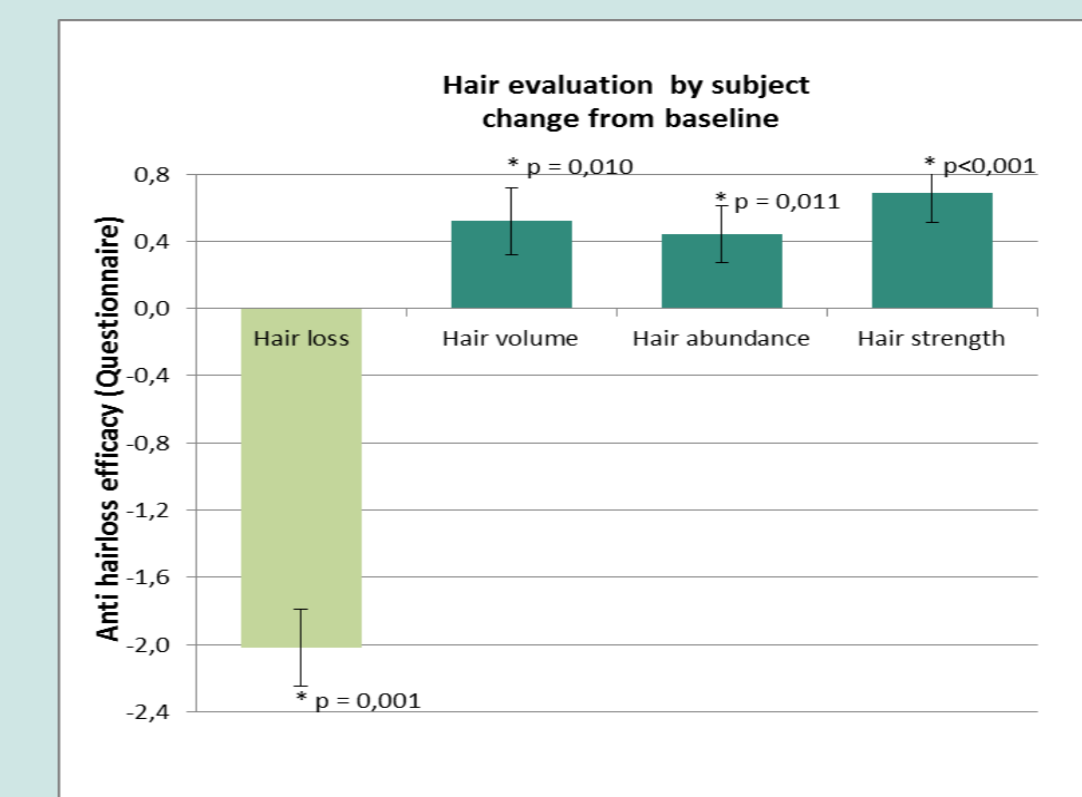
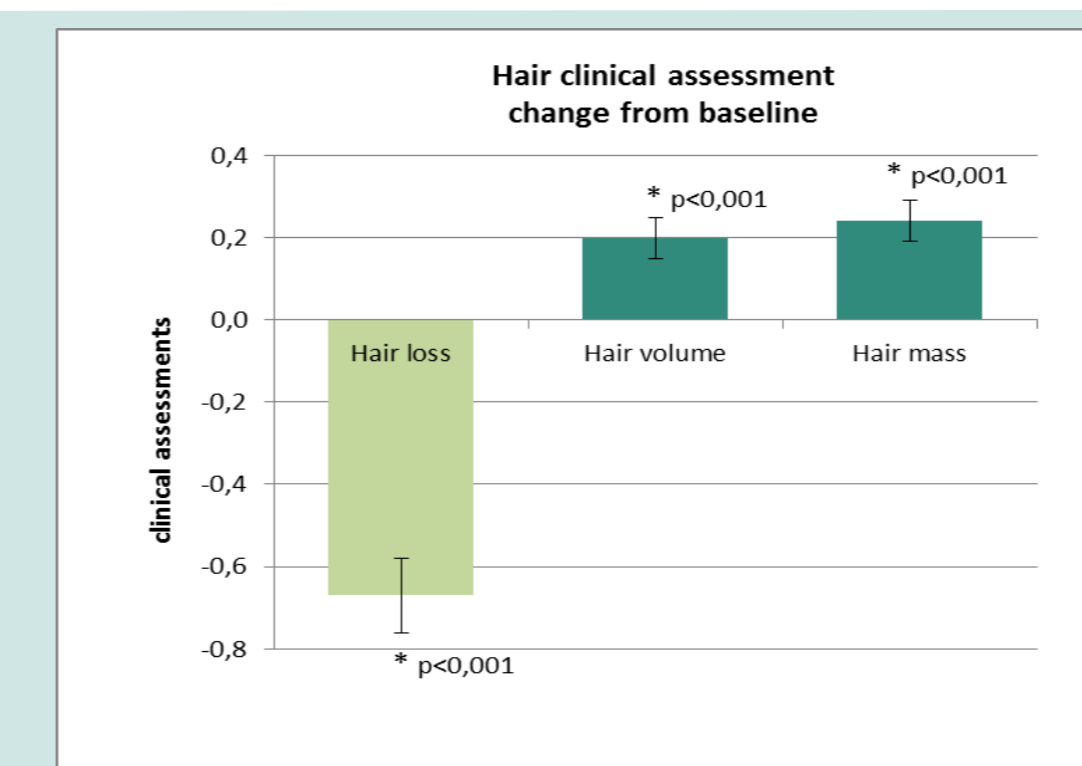
Method

- Daily applications
- Soothing assessments:
 - scalp sensibility (self-assessment questionnaire ; 10-point scale)
 - TEWL measurements (g/m²/h)
 - Inflammatory markers and biochemical markers (surface samplings)
- Hair loss assessment :
 - Pull test
 - Global assessments of efficacy by the subjects and by the investigator
- Cosmetic and cutaneous acceptability
 - Clinical examination of the scalp and hair by the Investigator
 - Adverse Events Collection

HAIRLOSS ASSESSMENT



Pull test :
- significant decrease in women and in men
- non significant difference between women and men



Hair evaluation: Good and significant perception of hair loss decrease by subject and dermatologist as well as on hair volume, abundance and strength

Anti-hairloss efficacy after a 6-week application :

- Decrease of the hairloss
- Increase of the hair quality (volume, mass, abundance, strength)

SAFETY EVALUATION

The tested formulation is well tolerated by 100% of subjects (self-assessment and adverse event collection)

CONCLUSION

In our experimental conditions, the presence of octopirox in the tested formula significantly brings an additional soothing effect to subjects with a moderate alopecia, after a 3-week daily application.

The anti hair-loss efficacy of this gelified lotion is clinically confirmed for both men and women and supported by the subjects after a 6-week daily application.