

Function tests

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Test 1

Performed by a third party

TEST 1- STUDY DESIGN

Purpose: Testing the efficacy of continuous use of Esthecin® for 6 months

Enrollment: 26 participants and 22 completed the test

Outcome Measures:

- Evaluate the change in **hair loss count** and **hair density**
- Evaluate the change in **hair diameter**
- Evaluate the change in **receding hairline**
- Evaluate the effect of **scalp moisturizing and oil control**

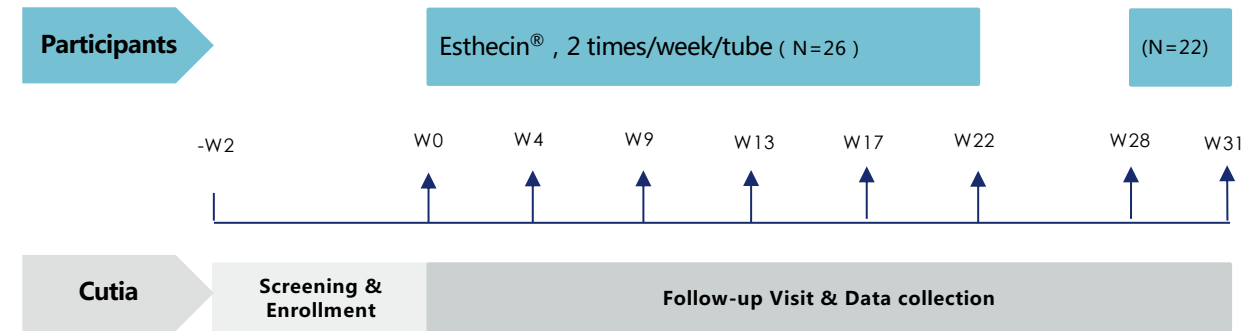
CRITERIA

Inclusion Criteria:

- 18~60 years old, Male and Female (M:F=1:2)
- Have mild to moderate alopecia (M0-M2, C0-C2, F1-F2, V1-V2)
- In good general health, Willing and able to attend all study visits
- Hair loss count is greater than 10 (as 60 times comb method) and still greater than 10 after 2 weeks of washing

Exclusion Criteria:

- Pregnancy and lactating women
- Patients with severe androgenic alopecia, alopecia areata, inflammatory scar alopecia or other scalp / hair diseases
- Presence of major mental or psychological diseases
- Perm and dye the hair within 1 month
- Use of any products (prescription, OTC or natural health products) or devices reported and used to promote scalp hair growth (e.g., finasteride or minoxidil, L-Tyrosine) within 6 months prior to the Baseline Visit

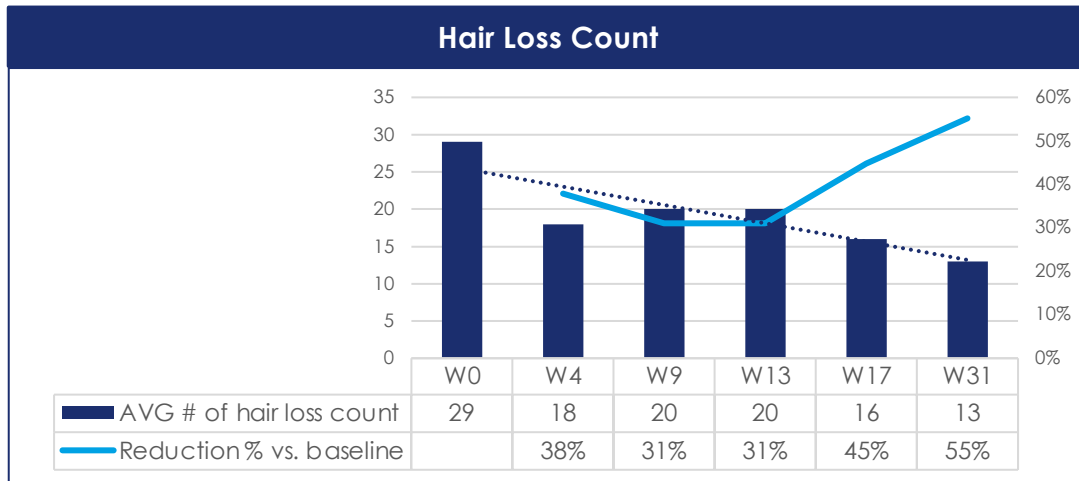


Reference:

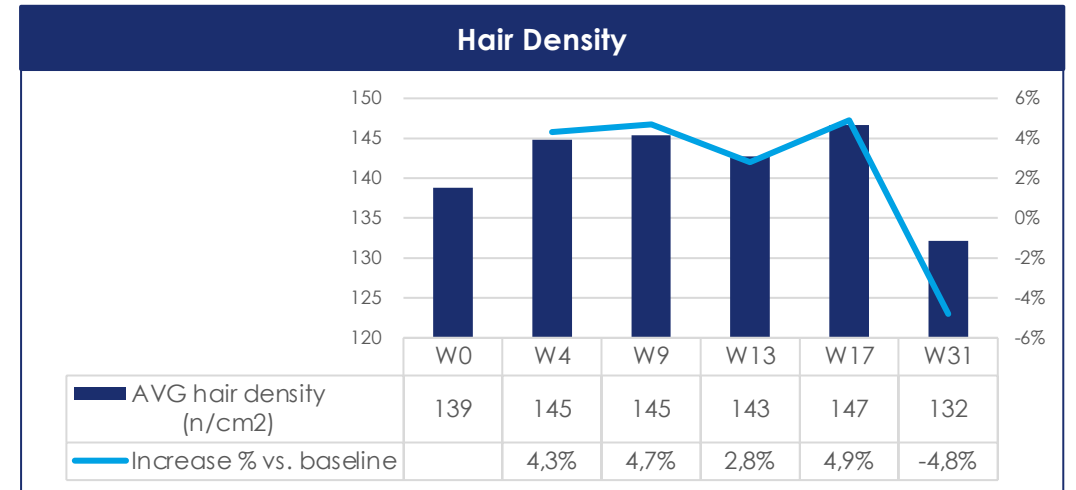
1. Safety and Technical Standards for Cosmetics in China(2015) _Chapter 8 Evaluation & Test method about Human Efficacy _Efficacy test method of anti-hair loss cosmetic product.
2. 《Effect of a new topical treatment on androgenetic and telogen hair loss in women》 J.C. van Montfort, MD, Van Montfort Laboratories BV, Brightlands Maastricht Health Campus, Maastricht. Report from How-to science & technology (shanghai) co ltd

Note: **The 2nd treatment course** was affected by the COVID in Shanghai in 2022H1, including the follow-up visit of W22 – W26 was missing, and the test of W26 was postponed to W31.

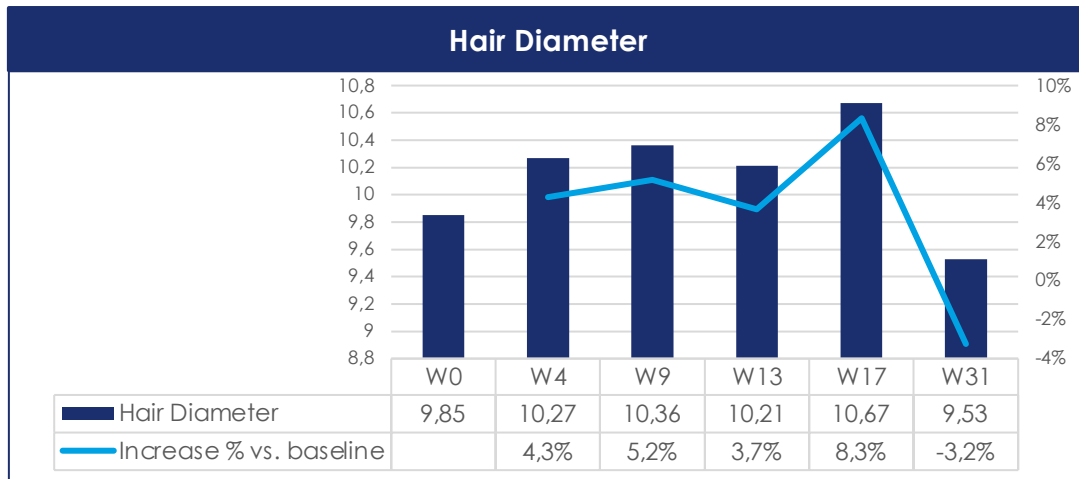
TEST 1- OUTCOMES (1)



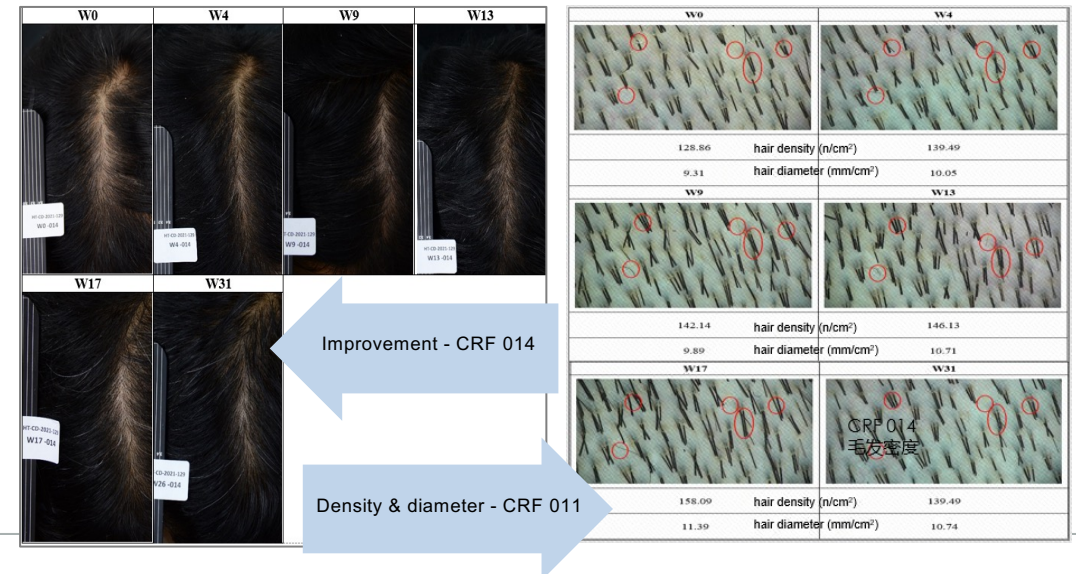
Vs. baseline (W0), significantly reduced the hair loss count, the reduction rate reached to 31% in the 1st treatment course and up to 55% by W31. (p<0.001)



Vs. baseline (W0), increased the hair density, the increase rate was about 2.8% ~ 4.7% in the 1st treatment course. (p<0.05)



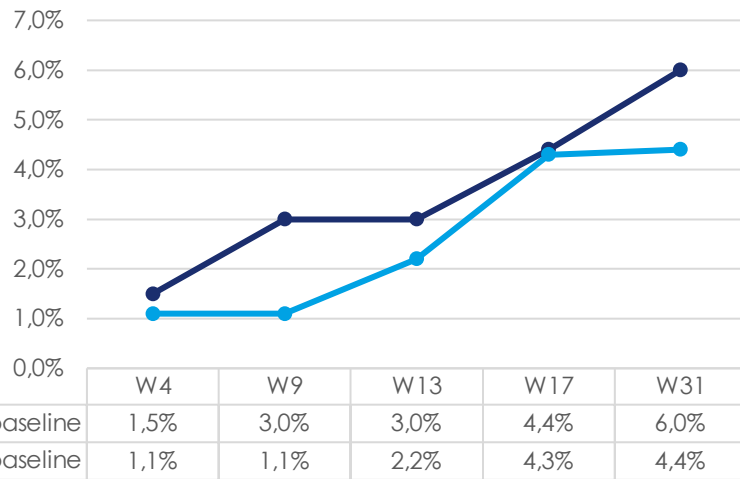
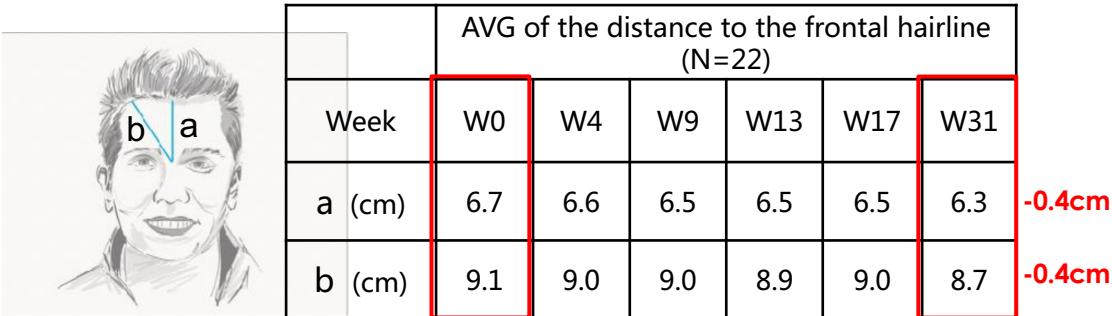
Vs. baseline (W0), increased the hair diameter, the increase rate was about 3.7% ~ 5.2% in the 1st treatment course. (p<0.01)



TEST 1- OUTCOMES (2)

Receding Hairline

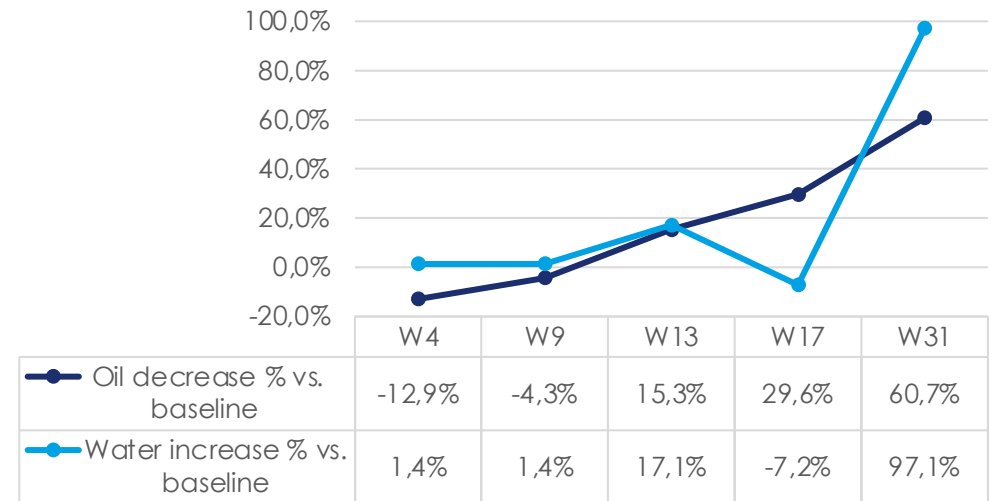
Shorten the distance to the frontal hairline by 4mm after using Esthecin for 6 month.



Scalp Environment

Vs. baseline (W0), showed the trend of improving scalp environment, decreased oil content and increase water content of scalp. (the last data of W31 was excluded as an outlier)

	AVG of scalp oil and water content (N=22)					
Week	W0	W4	W9	W13	W17	W31
Oil content	163	184	170	138	107	64
Water content	70	71	71	82	64	138



Use-feeling feedback from the subjects questionnaires: 100% of subjects liked the product, and all claims were supported.

Test 2

Performed with Cutia Therapeutics employees or family members

TEST 2- STUDY DESIGN

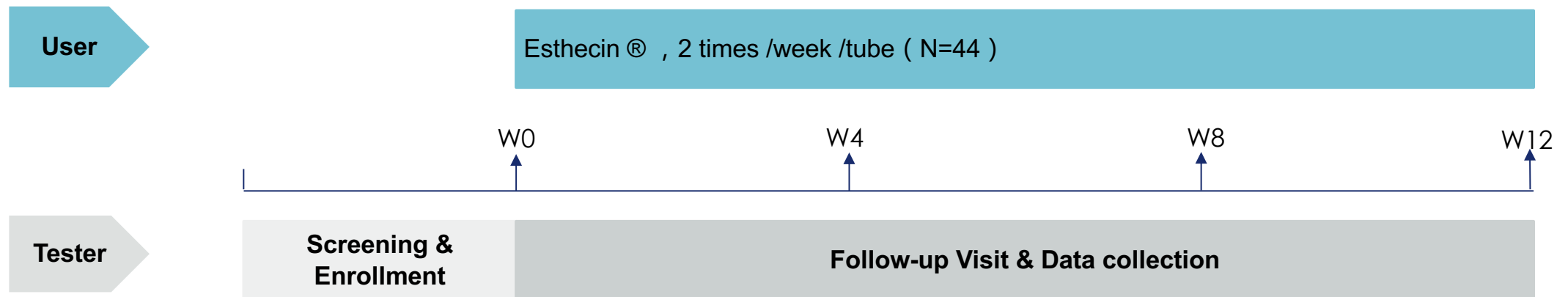
Purpose: Use testing of continuous use of Esthecin ® for 3 months

Screening & Enrollment: Screening 44 Users and 40 users (male 19; Female 21) completed this trial

Inclusion Criteria:

- Male or Female with mild to moderate alopecia (From Cutia employees or family members)
- Good health, no basic diseases
- No alopecia treatment in half a year

Data collection by: pictures and questionaries (W0/W4/W8/W12)



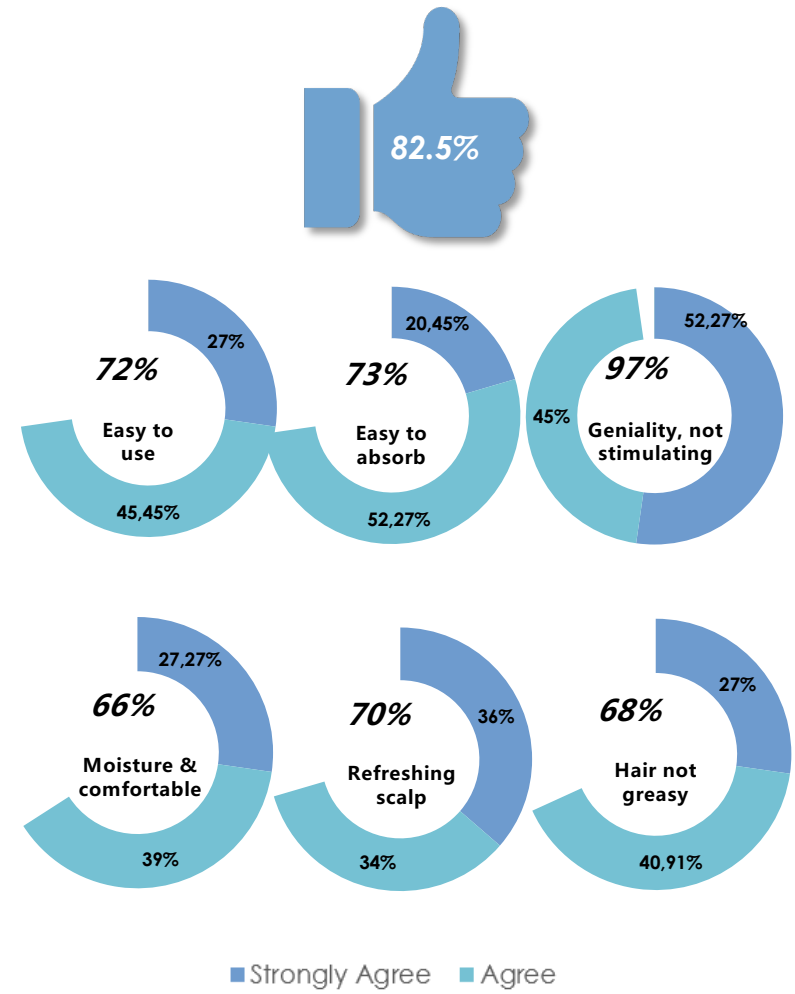
TEST 2- OUTCOMES

Effect Feedback : Improve Hair Loss

Showed effect of improving hair loss started from week 4 to week 12 after using Esthecin, mainly from the comparison of 3 areas as below pictures.



Use-feeling Feedback: 82.5% users recommend



CONCLUSION OF TWO FUNCTION TESTS



From the test of Efficacy

Effectively improve hair loss, improve hair volume

Say goodbye to the "light forehead" and shorten the hairline by 4mm

Adjust the scalp environment, control oil and increase water

Mild, feel at ease and no side effects



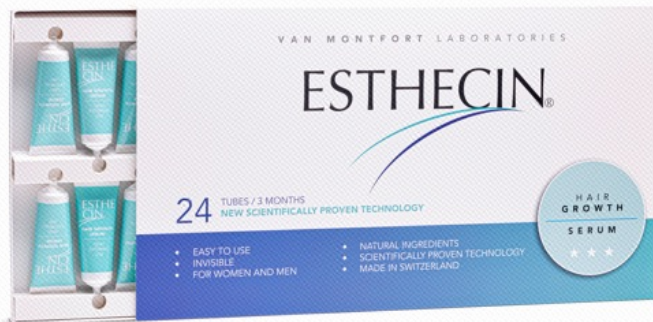
From product-use Feeling

Recommended by 82.5% of Testers

Anti-hair loss plus improve hair volume, multi-effect integration

Convenient and comfortable, easy to use

Safe and mild, low discomfort



Efficacy: It has a practical effect on hair growth, hair quality improvement and scalp environment

Mild: no irritation and no adverse reactions, only itching may existing

Feeling: easy to use, fresh, not greasy, easy to absorb, and 82.5% users recommended