

Summary Report of Clinical Study CELLRETURN Hair α -Ray

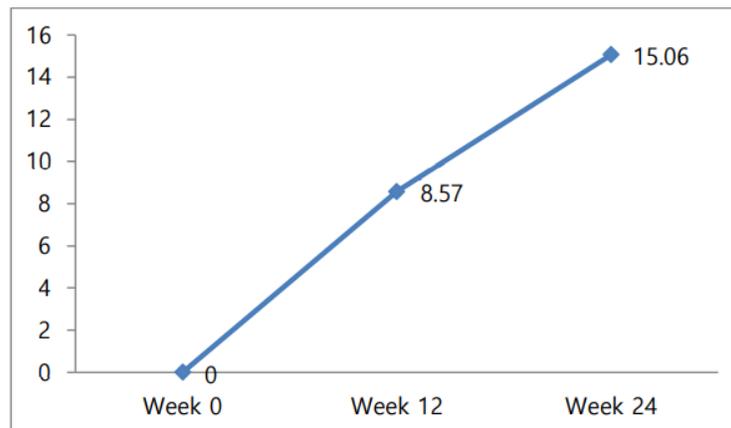
Result for effectiveness

3-1. Change of hair density

There was an average increase of 8.57 hair per 12-week visit ($p < 0.001$), and an average increase of 15.06 hair per 24-week visit ($p < 0.001$). The tendency to increase hair numbers showed a steady increase in hair numbers for both 12 and 24 weeks visits.

	Week 0	Week 12	Week 24
Mean (hair density)	117.674	126.245	132.735
Standard deviation	28.214	28.792	28.093

• Figure 1. Mean change from baseline in hair density

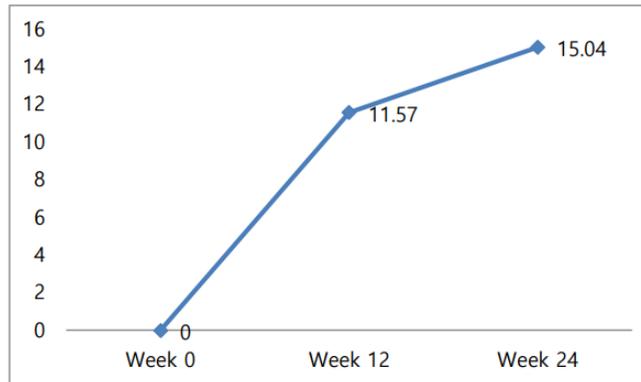


3-2. Change of hair thickness

On a 12-week visit, the hair thickness increased by 11.57 μm on average ($p < 0.001$) and the hair thickness increased by 15.04 μm on a 24-week visit ($p < 0.001$). It can be seen that the increase in hair thickness in the first 12 weeks is more pronounced.

	Week 0	Week 12	Week 24
Mean (hair thickness)	48.091	60.455	63.636
Standard deviation	9.559	10.378	9.965

Figure 2. Mean change from baseline in hair diameter



The difference in hair thickness according to the subject's age, and the difference in hair number over age, did not show any significant difference. The values of differences in hair thickness and number of hair changes depending on the type of hair loss in the patient did not show significant differences.

3-3. MPA5 Measurement

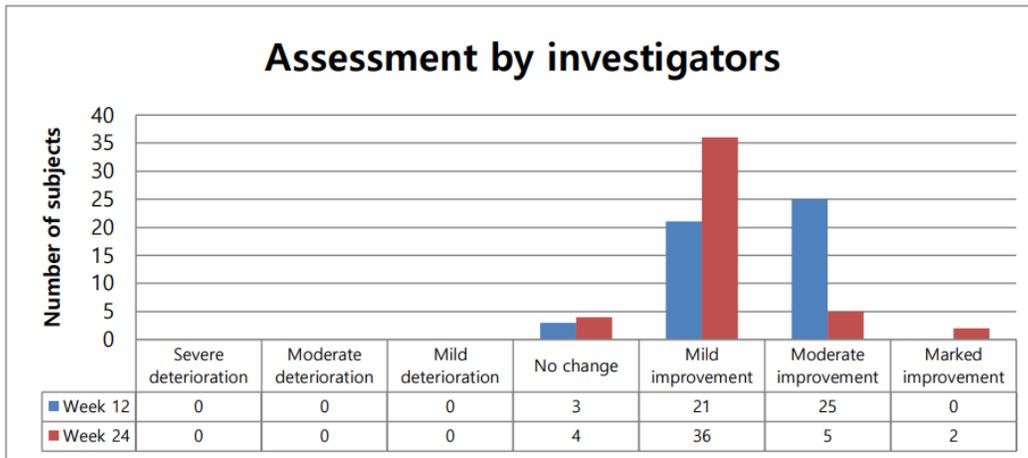
Changes in sebum, erythema and melanin levels on the scalp all showed no significant differences after 24 weeks

3-4. Investigator's assessment

The investigator's assessment visually compared the distribution degree and density of hair by looking at the top of the subject's head and the front hairline. Severe deterioration, moderate deterioration, mild deterioration, no change, mild improvement, moderate improvement and market improvement were evaluated in seven stages. During the 12-week visit of the investigator's assessment, 46 (93.55%) subjects showed the overall improvement in hair condition compared to baseline, and 45 (91.84%) showed the overall improvement in hair condition during the 24-week visit compared to baseline. No one was worse for each visit, and three subjects (6.12%) at the 12-week and four (8.16%) at the 24-week were found to have no apparent change.

Details of the investigator’s assessment are shown in Figure 3.

Figure 3. Assessment by investigators



3-5. Subject’s assessment

The subjects surveyed the overall satisfaction level through the questionnaire when they visited 24 weeks after use. The survey items were evaluated subjectively by dividing the overall appearance of the scalp, the change in the windiness of the hair, the change in the number of hair loss, the change in hair thickness, and the change in hair growth rate into seven stages.

36 subjects (73.47%) showed overall improvement in the appearance of the scalp.

30 subjects (61.22%) showed an increase in hair fullness.

32 subjects (65.31%) showed a decrease in the number of hair loss.

29 subjects (59.18%) showed an increase in hair thickness

33 subjects (67.35%) showed an increase in hair growth rates.

The subjects showed the greatest satisfaction in improving the overall appearance of the scalp, and

among the details, it was evaluated that the increase in hair growth rate was most pronounced