

# Clinical Study on Hair Loss Treatment

## 1. Title and Abstract

### Clinical Study to Evaluate the Efficacy and Safety of a Hair Serum

This study evaluates the efficacy and safety of a topical hair serum for promoting hair growth in patients with hair thinning and hair loss. The serum contains active botanical ingredients designed to stimulate hair follicles and improve scalp health. A 90-day randomized, double-blind, placebo-controlled trial was conducted.

## 2. Methodology

Participants (N=100) with mild to moderate hair thinning were assigned to treatment or placebo groups. Efficacy was measured using hair density counts, visual assessments, and patient self-assessment questionnaires. Safety was monitored via adverse event reports and scalp examinations.

## 3. Results

The treatment group showed a statistically significant increase in hair density compared to placebo ( $p < 0.05$ ). Visual assessments confirmed increased hair thickness and reduced hair shedding. Self-assessment questionnaires indicated improved scalp comfort and satisfaction. Adverse events were minimal and mostly mild scalp irritation.

## 4. Discussion

The serum demonstrated efficacy in promoting hair growth and was well tolerated. Limitations include short duration and small sample size. Further studies are recommended for long-term effects and different populations.

## 5. Conclusion

This clinical study supports the use of topical hair serums containing botanical extracts for hair loss treatment. The product was safe and effective over the 90-day period.

## 6. References

PMC Article ID: PMC7522433, Radiometrics et al., 2020