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Evaluation of the efficacy of Satiny Hair Oil for hair growth

Submission date
18/03/2026

Recruitment status
Recruiting

Registration date
28/04/2026

Overall study status
Ongoing

Last Edited
28/04/2026

Condition category
Other

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[ ] Results
[ ] Individual participant data
[X] Record updated in last year

Plain English summary of protocol

Background and study aims
Hair-related problems like excessive hair fall, hair thinning, premature hair greying, and slow hair growth are common worldwide and can significantly affect confidence and overall well-being. Many chemical-based hair treatments may cause many side effects or long-term scalp and hair issues. Therefore, people seek herbal alternatives that are considered gentler and safer for regular use. Satiny Hair Oil, marketed by Fadna (Pvt) Ltd., is a recognized Ayurvedic herbal formulation widely used in Sri Lanka in recent years, and trusted for many years for its overall benefits to hair well-being, promoting healthier, stronger. It is enriched with traditional herbal ingredients like Alternanthera sessilis, Eclipta prostrata, Indigofera tinctoria, and Extra Virgin Coconut Oil, which are well known for hair growth, strengthening roots, reducing hair fall, preventing dandruff, delaying premature greying, improving scalp health, and enhancing hair shine, smoothness, and overall vitality. The purpose of this research is to evaluate whether Satiny Hair Oil can safely and effectively promote hair growth, prevent hair loss, and provide scientific evidence to validate its traditional use in Ayurveda practice.

Who can participate?
The study will include male and female healthy volunteer participants between 18 and 45 years of age who are able and willing to provide written informed consent. Eligible participants should present with hair fall or hair thinning and should not be receiving any current treatment for hair fall, including hair care medications, chemotherapy, or other topical or systemic drugs used for skin or scalp conditions. Participants must agree not to modify, chemically treat, or color their hair, and to avoid the use of hair accessories or instruments that exert traction force on the hair throughout the study period.
Individuals will be excluded if they have a known hypersensitivity (Type I, II, III, or IV reactions) to topical applications or any component of the test formulations, or if they have a history of severe or complex drug allergies. Participants with scalp or skin disorders that may interfere with the detection or monitoring of outcomes, those suffering from noncommunicable diseases such as diabetes mellitus, or hair loss secondary to medical conditions, including alopecia areata, polycystic ovary syndrome (PCOS), or other systemic disorders, will also be excluded. Additionally, individuals currently using similar herbal hair care extracts, those with a history of

or suspected malignancy, individuals using medications known to cause significant hair loss, those with prior surgical scalp or hair restoration procedures, as well as pregnant women and lactating mothers, will not be eligible to participate in the study.

What does the study involve?
This is a randomized, open-label clinical trial where participants are randomly assigned to treatment or control groups, and both participants and researchers know the treatment to compare its safety and efficacy. Each participant will apply 3–4 drops of Satiny Hair Oil or Coconut Oil nightly, gently massaging the scalp in circular motions for one minute. Participants will be instructed to avoid any other external hair care treatments during the study and to wash their hair with a mild shampoo the next day, avoiding harsh chemicals such as sulphates, parabens, and formaldehyde-releasing agents. Participants will be monitored closely for any reactions. Hair parameters such as daily hair fall, 60-second hair count, hair density, hair length, thickness, and scalp condition will be monitored, with pull tests and scalp photographs conducted by the research team every two weeks. Participants will record daily hair counts at home using standardized instructions, and all measurements will be collected to assess the efficacy of the treatment. The total study period for each participant, including follow-up, will be three months.

What were the possible benefits and risks of participating?
Risks: The testing product will cause hypersensitivity and anaphylactic reactions. However, in this study, the application area could result in mild hypersensitivity or anaphylactic responses. If such an incident arrives, the person is removed from the study and referred to the appropriate medical treatments, and will report to the Faculty of Indigenous Medicine, University of Colombo.
Benefits: After an appropriate preliminary assessment of their hair, participants will improve their hair quantity as well as quality, which will enhance the personality and self-confidence without any cost.

Where is the study run from?
National Ayurveda Hospital, Borella, Sri LAnka
Unit of Research and Development of Natural Products, Faculty of Indigenous Medicine, University of Colombo, Sri Lanka.

When is the study starting and how long is it expected to run for?
It will be started on 1st of March, 2026 and the total study duration is 3 months per participant.

Who is funding the study?
The study is funded and supported by Fadna (Pvt) Ltd., Sri Lanka, in collaboration with the Faculty of Indigenous Medicine, University of Colombo

Who is the main contact?
Dr N.D. Kodithuwakku, Principal Investigatory of the trial, Senior Lecturer Grade I, Faculty of Indigenous Medicine, University of Colombo, darshi_ko@fim.cmb.ac.lk

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Study information

Scientific Title
Evaluation of the efficacy of Satiny Hair Oil for hair growth: an open-label, randomized controlled clinical trial

Acronym
SATINY

Study objectives
General objective:
Evaluation of the Efficacy of Satiny Hair oil for Hair Growth

Specific objectives:
1. To detect skin sensitivity of the product SO
2. To assess the hair growth including rate of hair growth, density, length, thickness and

reduction of hair fall after using the satiny oil
3. To assess participant satisfaction using a validated self-assessment questionnaire.
4. To monitor and document adverse effects related to the topical application

Ethics approval required
Ethics approval required

Ethics approval(s)
approved 23/10/2025, Ethics Review Committee, Faculty of Indigenous Medicine (University of Colombo, Rajagairiya, Colombo, 10107, Sri Lanka; +94 112692385; ethicsreview@fim.cmb.ac.lk), ref: ERC 25/278

Primary study design
Interventional

Allocation
Randomized controlled trial

Masking
Open (masking not used)

Control
Placebo

Assignment
Single

Purpose
Health services research, Treatment

Study type(s)

Health condition(s) or problem(s) studied
Hair loss, impaired hair growth, decreased hair density and volume, compromised hair health

Interventions
This is an open-label clinical trial conducted among participants experiencing hair fall, impaired hair growth, reduced hair density, and compromised scalp health. After taken the consent from the participants will be randomly divided based on simple randomization and allocated in a 1:1 ratio for 2 groups. Randomization will be based on created codes to prevent prediction of results from investigator and participants. Satiny oil and Coconut oil will be provided based on the selected group. Oil application instructions will be provided and patient diary and self-evaluation form will be provided in each
month.

Participants will apply 3–4 drops of the oil directly to the scalp and gently massage using circular motions for one minute, ensuring even distribution over the scalp. No other external hair care products or medicated treatments will be permitted during the study period. Hair washing will be performed the following day using a mild shampoo, avoiding harsh chemicals such as sulphates, parabens, and formaldehyde-releasing agents. Prior to application, participants will be advised to ensure the scalp is clean and dry.

Participants will be assessed for reduction in hair fall, improvement in hair growth, hair density, hair thickness, hair length, and overall scalp condition. Objective assessments, including daily hair fall count, 60-second hair count, hair pull test, and standardized scalp photographs, will be conducted at baseline and at two-week intervals throughout the intervention period. Participants will maintain a daily hair count diary at home according to standardized instructions provided by the research team.

Safety will be monitored throughout the trial, with particular attention to any scalp irritation, itching, redness, or allergic reactions. Participants will be under continuous observation, and any adverse events will be documented and managed appropriately.

A follow-up assessment will be conducted three months after completion of the intervention to evaluate the sustainability of treatment effects and to monitor for any delayed adverse reactions.

Intervention Type
Drug

Phase
Phase II

Drug/device/biological/vaccine name(s)
Satiny hair oil

Primary outcome(s)
1. Hair growth parameters measured using hair fall (daily hair count and 60-second hair count), hair density and scalp coverage assessed using the Modified Global Photographic Assessment (MGPA) scale, hair length and thickness at baseline and after three months of intervention

2. Objective and clinical hair growth indicators measured using pull test and standardized photographic assessment scores at Before and After treatment

Key secondary outcome(s))
1. Assessment of scalp and skin safety, including monitoring of skin sensitivity and local adverse reactions measured using itching, redness, irritation, burning sensation, or allergic reactions at throughout the study period

2. Participant-reported outcomes, including: Self-reported satisfaction with hair growth and hair quality, Perceived improvement in hair fall, texture, shine, and overall hair appearance, Improvement in self-confidence and quality of life measured using self-assessment questionnaire at after three months of intervention

Completion date
30/09/2026

Eligibility

Key inclusion criteria
1. Male and female healthy volunteer individuals between 18-45 yrs, who can provide written informed consent

2. Those who do not use any hair care medication, chemotherapy or other drugs to treat any skin condition
3. Those who agree not to modify their hair or colour their hair during the study
4. Those who do not have any treatments for hair falling
5. Those who agree not to wear instruments that have a traction force on hair

Healthy volunteers allowed
Yes

Age group
Adult

Lower age limit
18 years

Upper age limit
45 years

Sex
All

Total final enrolment
0

Key exclusion criteria
1. Individuals who are pregnant or breastfeeding
2. Individuals with any known allergy to any of the test formulations and with a complex or severe drug allergy
3. Skin or scalp disorder that might interfere with detecting or monitoring. Those suffering from other noncommunicable diseases, such as diabetes, and those suffering from loss of hair because of disease conditions as alopecia areata, PCOS and other conditions
4. Those who are already using similar herbal hair care extract
5. Individuals with a history of or suspected malignancy and those who use drugs that cause significant hair loss
6. Prior surgical scalp hair loss repair

Date of first enrolment
01/03/2026

Date of final enrolment
01/06/2026

Locations

Countries of recruitment
Sri Lanka

Sponsor information

Organisation
Fadna Life Sciences

Funder(s)

Funder type

Funder Name
Fadna Life Sciences

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not expected to be made available