

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The effect of faba bean extract on reduction of hairs of axilla and Comparison with control group

Protocol summary

Study aim

The effect of faba bean extract on reduction of hairs of axilla

Design

clinical trial with control group, Blinded, randomized, the site www.Randomaize.com has been used for randomization.

Settings and conduct

This study is being performed in Emamreza and Quaem hospitals affiliated to Mashhad university of medical sciences. How to study the topical application of the cream containing faba bean extract in one side axilla and the use of placebo in the axilla on the opposite side twice a day in 19 female volunteers aged 15 years or older and take pictures of both areas before the intervention and monthly at the end of each month with a tricycle or camera and compare the two sides after three months and also according to the personal judgment of the candidates using the prepared checklists. Blinding is done by people under study, evaluators and analysts. Patients fall into two categories, according to a random assignment made by Exel software or a randomization site.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Women 15 years of age and older who want to use this method to reduce unwanted hair in the area of the axilla. Candidates who do not have a history of using laser in the axilla. Non-entry criteria: Existence of skin disease in the area of axilla, such as dermatitis and infectious and fungal diseases. Scarring in the area of the axilla. G6PD deficiency in the test taken from people before the intervention. Pregnant women. Breastfeeding women.

Intervention groups

Investing the effect of faba bean extract on the reduction of one-sided axilla hair in women 15 years and older and comparing it with placebo in axilla on the opposite side of the same people.

Main outcome variables

The condition of hair loss in the area of the axilla and the examination of the density and thickness of the hair by tricoscopy.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200411047020N1**

Registration date: **2020-06-26, 1399/04/06**

Registration timing: **registered_while_recruiting**

Last update: **2020-06-26, 1399/04/06**

Update count: **0**

Registration date

2020-06-26, 1399/04/06

Registrant information

Name

Fereshteh Zamiri

Name of organization / entity

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-05-21, 1399/03/01

Expected recruitment end date

2020-08-22, 1399/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
The effect of faba bean extract on reduction of hairs of axilla and Comparison with control group

Public title
The effect of faba bean extract on reduction of hairs of axilla

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
women 15 years of age and older who want to use this method to reduce unwanted hair in the area of the axilla. Candidates who do not have a history of using laser in the axilla .
Exclusion criteria:
Existence of skin disease in the area of axilla ,such as dermatitis and infectious and fungal diseases. scarring in the area of the axilla. G6PD deficiency in the test taken from people before the intervention. pregnant women Breastfeeding women

Age
From **15 years** old

Gender
Female

Phase
N/A

Groups that have been masked

- Participant
- Outcome assessor
- Data analyser

Sample size
Target sample size: **19**

Randomization (investigator's opinion)
Randomized

Randomization description
According to the random allocation made by Excel software or the randomization site, patients fall into two categories(even/odd code or A/B code). one of the codes will be set to the right of the intervention axilla ,the left axilla of the placebo ,and the other code will be set to the right of the placebo ,the left of the intervention.

Blinding (investigator's opinion)
Triple blinded

Blinding description
Each volunteer is given two containing bean extract and the other placebo. neither the study person nor the evaluator is aware of the content of either of the two containers. the vessels are similar and it is not clear in which placebo and in which intervention.

Placebo
Used

Assignment
Parallel

Other design features
Evaluation of slow growth of hair in the axilla area is done monthly and 4 times (before the start of the

intervention and then monthly for up to 3 months). by taking a photo with a Dermoscope or thrichoscope or take photos with high resolution cameras(In each individual, the axilla of one side is always intervention and the oppsite axilla is always control) and comparing the axilla of both sides in each person

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Mashhad university of Medical Sciences

Street address

Vice chancellor for research and technology, Mashhad university. In frot of Daneshgah 18st, Daneshgah18, Mashhad

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Province

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Postal code

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Approval date

2019-12-05, 1398/09/14

Ethics committee reference number

IR.MUMS.MEDICAL.REC.1399.023

Health conditions studied

1

Description of health condition studied

Reduce axilla hair with faba bean extract

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Axilla hair

Timepoint

Take a photo of the axilla area at the beginning of the study (Before starting the intervention) and 1,2and 3month after using the local bean extract.

Method of measurement

thricoscope or camera(If it is not possible to use thricoscope)

Secondary outcomes

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Masood Maleki

Position

professor

Latest degree

Specialist

Other areas of specialty/work

Dermatology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

All data can be shared after people have not been identified.

When the data will become available and for how long

Start the access period 6 months after printing the results.

To whom data/document is available

The data will be available to researchers working at academic and scientific institutions.

Under which criteria data/document could be used

Data analysis is allowed.

From where data/document is obtainable

Email the author in charge of the article to receive the data.

What processes are involved for a request to access data/document

After the e-mail, the requested information will be sent to the author and the request will be sent to them within a month.

Comments