Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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 19female volunteers aged 15 years or older and take pictures of both areas beforethe 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 ، evalutors and analysts.patients fall into two categories ، according to a random assignment made by Exel software or a randimization 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)

Phone

+98 51 3601 4909

Email address

zamirif971@yahoo.com

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

City

Mashhad

Province

Razavi Khorasan

Postal code

9137913316

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

Intervention groups

1

Description

In this study ،the effect of bean extract on reducing the thickness and number of hairs in the axilla area will be investigated. 19 women 15 years and older who wish to participate in the study if they are not pregnant or breastfeeding ، have no history of laser use in this area ، have no inflammatory and infectious diseases and scar in this area and have no □□□G6PD enzyme deficiency enter the study and for 3 month of bean extract with a concentration of 20% in combination with base cream twice a day، one gr at a time، on one side and base cream is used as a placebo on the opposite side. And at the beginning of the study and at the end of each month for 3 months after three days of not shaving the hair of the erea ، both axillas are photographed with a tricoscope or camera. and at the end of the study، using a checklist of volunteers and photos taken ، the number and thickness of hair in two axillas per person will be compared .The cream containing bean extract is made in Mashhad medical sciences laboratory under the supervision of the relevant pharmacist.

Category

Other

2

Description

Control group:In this study ،each person under study also has their own control.In exile, one side of the bean extract is used, and the opposite exile, the Base cream is used as a placebo as a control.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam reza hospital

Full name of responsible person

Dr. Masood Maleki

Street address

Emam reza hospital، Daneshgah st، Mashhad

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Recruitment center

Name of recruitment center

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Full name of responsible person

Dr. Masood Maleki

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□□□□□□□□□□□□□Quaem hospital، Ahmad abad st، Mashhad

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Quaem.Medical.center@mums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

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Medical univercity، Azadi square، Vakilabad st

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Mashhad University of Medical Sciences

Proportion provided by this source

60

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Mashhad University of Medical Sciences

Full name of responsible person
Masood Maleki

Position
proffesor

Latest degree
Specialist

Other areas of specialty/work
Dermatology

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Professor

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Specialist

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Position
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Zamirif971@gmail.com

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 allowded.

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