

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of the efficacy and safety of alexandrite laser in removing Axilla hair with two pulses of 5 and 100 Milliseconds

Protocol summary

Study aim

Determination of efficacy and safety of alexandrite laser with two pulses of 5 and 100 milliseconds

Design

A clinical trial with two groups with single blinded parallel groups with a sample size of 30 people based on statistical software and divided into two groups by random block method.

Settings and conduct

This is a randomized, double-blind clinical trial, which is a prospective study. The study period will be from two years to 1398 to 1400. It will take up to 8 months for each case to have a laser and checkups. The study site is Tehran Razi Dermatology Hospital

Participants/Inclusion and exclusion criteria

Participants over 15 years of age with skin type under 4 and no isotretinoin over the past year and no excessive laser hair removal in the axilla over the past 4 months

Intervention groups

the effect of two different pulses of laser hair removal

Main outcome variables

Determination of efficacy and safety of alexandrite laser with two pulses of 5 and 100 milliseconds

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20191204045609N1**

Registration date: **2020-11-19, 1399/08/29**

Registration timing: **retrospective**

Last update: **2020-11-19, 1399/08/29**

Update count: **0**

Registration date

2020-11-19, 1399/08/29

Registrant information

Name

elham taghizadeh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 8611 1937

Email address

elhamtaghizadeh609@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-12-22, 1398/10/01

Expected recruitment end date

2020-01-21, 1398/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy and safety of alexandrite laser in removing Axilla hair with two pulses of 5 and 100 Milliseconds

Public title

Comparison of the efficacy and safety of alexandrite laser in removing Axilla hair with two pulses of 5 and 100 Milliseconds in patients admitted to Razi Hospital during the years 1398-1400

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria:

Age over 15 Skin type under 4

Exclusion criteria:

Pregnancy and lactation Excessive laser hair removal
done in the last 4 months Isotretinoin use in the last year

Age

From **15 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **30**

More than 1 sample in each individual

Number of samples in each individual: **2**

Right and left axilla area

Randomization (investigator's opinion)

Randomized

Randomization description

Individual block randomization based on statistical software

Blinding (investigator's opinion)

Single blinded

Blinding description

Participants in the scheme are not given an explanation of the received pulse duration

Placebo

Not used

Assignment

Parallel

Other design features

Nothing

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tehran University of Medical Sciences

Street address

Razi hospital vahdat ave

City

Tehran

Province

Tehran

Postal code

1199663911

Approval date

2019-08-28, 1398/06/06

Ethics committee reference number

IR.TUMS.MEDICINE.REC.1398.439

Health conditions studied

1

Description of health condition studied

Determination of efficacy and safety of alexandrite laser with two pulses of 5 and 100 milliseconds

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Determination of efficacy and safety of alexandrite laser with two pulses of 5 and 100 millisecond

Timepoint

2019-2021

Method of measurement

Dermoscopy

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group:The first intervention group on the left or right side of the axilla area, people referred to Razi Hospital, who according to the inclusion criteria, including not using laser hair removal for a year, and skin type less than 3

Category

Other

2

Description

Intervention group: Second intervention group opposite group 1 people referred to Razi Hospital, who according to the inclusion criteria, including not using laser hair removal for a year, and skin type less than 3

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi hospital

Full name of responsible person

Arghavan azizpour

Street address

Razi hospital vahdat ave

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Tehran

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1199663911
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razihospital@sina.tums.ac.ir

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
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1417653761
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tums_edu@tums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tehran University of Medical Sciences

Proportion provided by this source

100

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
Tehran University of Medical Sciences
Full name of responsible person
Arghavan azizpour
Position
Associate professor
Latest degree
Specialist
Other areas of specialty/work
Dermatology
Street address
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

Name of organization / entity
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Email

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

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

All data are shareable

When the data will become available and for how

long

All data are shareable 6 months after publishing the results.

To whom data/document is available

Researchers working in universities or science institutions or people working in industrial areas can receive the data or other documents on the study.

Under which criteria data/document could be used

The data or the other documents on the research can be used for systematic review or any other purpose provided by having legal permission from the owners of the study

From where data/document is obtainable

Dr.arghavan azizpour mobile phone
number:00989123178995 mail:Azizpour63@gmail.com

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

Using the data or documents is possible after one month, provided having the legal permission of the owners of the study, by one of the authorized people.

Comments