

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparison effect of nokor and blunt subcision blade in treatment of acne scars

Protocol summary

Summary

Objectives: Comparison effect of nokor and blunt subcision blade in treatment of acne scars. Design: Randomized, single blind, clinical trial. Setting and Conduct: In this study 28 patients were selected for acne scar treatment and primary data were collected and then one side of the face of eligible patients received subcision with nokor and the other side received subcision with blunt subcision blade randomly. Outcome measures will be assessed by the use of serial photography at baseline, two, and six months after the subcision therapy session by two independent dermatologists blinded to the randomization. Major Inclusion and Exclusion criteria: Inclusion criteria: patient suffering from polymorphic and mixed acne scars without presence of hypertrophic or Keloid scars; the acne scars were in both sides of the face; informed consent for participation; Most of the patient acne scars were not rolling and icepick type Exclusion Criteria: patient discontinuing intervention; doing parallel treatments by the patient; patient not returning for follow up visits

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016030526905N1**

Registration date: **2016-04-20, 1395/02/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-04-20, 1395/02/01

Registrant information

Name

Alireza Asemi Esfahani

Name of organization / entity

Isfahan University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for research of Isfahan University of Medical Sciences

Expected recruitment start date

2015-05-22, 1394/03/01

Expected recruitment end date

2015-11-22, 1394/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison effect of nokor and blunt subcision blade in treatment of acne scars

Public title

Comparison effect of two surgical method in treatment of acne scars

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patient suffering from polymorphic and mixed acne scars without presence of hypertrophic or Keloid scars; the acne scars were in both sides of the face; informed consent for participation. patients suffering from acne scars and most of the scars were not rolling and icepick type Exclusion Criteria: patient

discontinuing intervention;doing parallel treatments by the patient; patient not returning for follow up visits

Age

From **18 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **28**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Isfahan University of Medical Sciences

Street address

Deputy of research of Isfahan University of Medical Sciences, Hezar jerib Avenue, Isfahan.

City

Isfahan

Postal code

Approval date

2016-02-07, 1394/11/18

Ethics committee reference number

IR.MUI.REC.1394.3.828

Health conditions studied

1

Description of health condition studied

acne scar

ICD-10 code

L90.5

ICD-10 code description

Scar conditions and fibrosis of skin

Primary outcomes

1

Description

Atrophic scar of acne

Timepoint

two and six month after the subcision

Method of measurement

by two independent dermatologists blinded to the randomization

Secondary outcomes

1

Description

surgical complications

Timepoint

After three days, one week, two month and six months after subcision therapy

Method of measurement

Patient self administered checklist of overall satisfaction

2

Description

Clinical improvement of atrophic scar

Timepoint

Two and six months after treatment

Method of measurement

serial photography and evaluation by two independent dermatologists blinded to the randomization

3

Description

Patients satisfaction

Timepoint

2 and 4 and 8 weeks after the treatment

Method of measurement

Patient self administered checklist of overall satisfaction

Intervention groups

1

Description

(control group) On the other side of the face,subcision with nokor is done.

Category

Treatment - Surgery

2

Description

In one side of the face,subcision with blunt subcision blade is done.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Alzahra general hospital

Full name of responsible person

Dr.Alireza Asemi Esfahani

Street address

Department of Dermatology, Al-Zahra Hospital, Soffeh Blvd, Isfahan University of Medical Sciences, Isfahan

City

Isfahan

2

Recruitment center

Name of recruitment center

Skin disease and Leishmaniasis Research Center

Full name of responsible person

Dr.Alireza Asemi Esfahani

Street address

Skin disease and Leishmaniasis Research Center, KHorram street, Isfahan

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3

Recruitment center

Name of recruitment center

Spadana clinic

Full name of responsible person

Dr.Alireza Asemi Esfahani

Street address

Daghighi street, Isfahan

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Isfahan University of Medical Sciences

Full name of responsible person

Dr.Mehdi Nematbakhsh

Street address

Deputy of Research of Isfahan University of Medical Sciences, Hezar Jerib Avenue, Isfahan

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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

Vice Chancellor for research of Isfahan University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Skin disease and Leishmaniasis Research Center, Isfahan University of Medical Sciences,

Full name of responsible person

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Position

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Person responsible for scientific inquiries

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professor

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty