

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of efficacy of subcision using blunt canula and nokor needle as split-face method in patients with atrophic acne scar

Protocol summary

Summary

The patients who are suffering from Atrophic Rolling Acne Scars are studied according inclusion criteria and after first examination and preforming reviscometry the tumescent solution (including 1cc of epinephrine, 1000 N/S cc, 10 cc of bicarbonate and 50cc of lidocaine) is injected and after 15 minutes the subcision is performed on half of the face randomly by the cannula blunt method and the subcision on the other half of the face is performed by Nokor needle. After all done the entry parts of Nokor needle and cannula on skin are sutured and get bandaged with gentamicin eye cream. Patients are advised to follow up after one week, one month and 3 months after procedure for assessment of skin lesions. The assessment of patient is held with visiting, first with one week then one month and finally 3 months after procedure. In each of these visiting the photo of patients is taken and based on healing of skin lesions and satisfaction of the patients the score is given, in this way that the score 0 for poor improvement, the score 3 for mediocre improvement, for good improvement score 6 and for complete improvement score 9 is considered. Also patients under reviscometry are evaluated for degree of elasticity which elastic is one of the index that is considered. Plus in each follow up session some side effects such as bleeding, Hematoma, nervous cycle and possibility of infection are evaluated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017082927707N2**

Registration date: **2017-09-27, 1396/07/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-09-27, 1396/07/05

Registrant information

Name

Behzad Iranmanesh

Name of organization / entity

Shahid Behshti Medical University, Skin Research Center

Country

Iran (Islamic Republic of)

Phone

+98 21 2676 1435

Email address

mgheisari@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-Chancellor of Shahid Beheshti University of Medical Science

Expected recruitment start date

2016-03-19, 1394/12/29

Expected recruitment end date

2017-03-20, 1395/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of efficacy of subcision using blunt canula and nokor needle as split-face method in patients with atrophic acne scar

Public title

Comparison of efficacy of subcision using blunt canula and nokor

Purpose

Treatment

Inclusion/Exclusion criteria
inclusion criteria: patients with atrophic acne scar (rolling type); the range of age between 18 to 65 exclusion criteria: pregnancy; autoimmune connective tissue disorder; coronary artery disease; coagulopathy; local infection; history of hypertrophic scar; inflammatory cutaneous disorders (psoriasis, lichen planus)

Age
From **18 years** old to **65 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **35**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double 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 Shahid Beheshti University of Medical Science

Street address

Shahid Beheshti University of Medical Science, Next to Ayatollah Taleghani Hospital, Evin, Tehran

City

Tehran

Postal code

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

IR.SBMU.SRC.REC.1395.28

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

Acne scar

Timepoint

Before intervention, 1 and 3 month after intervention

Method of measurement

Objective

Secondary outcomes

1

Description

Edema

Timepoint

1 and 3 month after intervention

Method of measurement

Observation

2

Description

Echymose

Timepoint

1 and 3 month after intervention

Method of measurement

Observation

3

Description

Nodule

Timepoint

1 and 3 month after intervention

Method of measurement

Observation

Intervention groups

1

Description

First group: acne scars were treated with blunt canula.

Category

Treatment - Surgery

2

Description

Second group: acne scars were treated with Nokor needle.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Shohada Hospital

Full name of responsible person

Bitra Saghi

Street address

Shohada Hospital, Tajrish square, Tehran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-Chancellor in research Affairs of Shahid Beheshti
University of Medical Science

Full name of responsible person

Dr.Afshin Zarghi

Street address

Shahid Beheshti University of Medical Science, Next
to Ayatollah Taleghani Hospital, Evin, Tehran

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Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice-Chancellor in research Affairs of Shahid Beheshti
University of Medical Science

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 Research Center

Full name of responsible person

Bitra Saghi

Position

Dermatology Resident

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Skin Research Center

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Other areas of specialty/work

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Other areas of specialty/work

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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