

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparison between method of subcision by cannula as a new therapeutic way and common subcision by needle method in the treatment of acne scars

Protocol summary

Study aim

Comparison of the efficacy and effectiveness of the subcision by cannula as a new therapeutic approach with the common method of subcision with needle

Design

The present study was designed to evaluate the efficacy and safety of using subcision with cannula and minimizing its side effects for patients. Patients with inclusion criteria are assigned to 2 subgroups of subcision therapy by cannula and sub-cognitive therapy group Needle, and the sample size is estimated at 50 for each group.

Settings and conduct

Before submission, photography will be done in 3 angles, Straight forward, Right side view and left side view by digital camera with high resolution and vicious face device for scar or ulcer region in patients face, and all patients will be photographed before and after treatment and results will be analyzed by independent dermatologist at the skin and stem cell research center .

Participants/Inclusion and exclusion criteria

Inclusion criteria: Age between 20-60; Developing middle to severe rolling scar in face region. Exclusion criteria: Age less than 20 years; Pregnancy and breastfeeding; Coagulation disorder background, or using drugs related to coagulation; Active infection in face; Unwillingness or disability in following up in defined periods of time; Background of heredity and adventitious connective tissue diseases; Skin cancer in face; Using any local drugs on face except sun protection creams in last month; Doing beauty procedures on face such as laser or photodynamic therapies in last year.

Intervention groups

First intervention group: subcision with cannula method.
Second intervention group: subcision with needle method.

Main outcome variables

scar's surface; side effects; patient's satisfaction

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20080901001159N22**

Registration date: **2019-04-18, 1398/01/29**

Registration timing: **retrospective**

Last update: **2019-04-18, 1398/01/29**

Update count: **0**

Registration date

2019-04-18, 1398/01/29

Registrant information

Name

Mohamad Ali Nilforoushzadeh

Name of organization / entity

Skin and Stem Cell Research Center, Tehran
University of Medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2220 5158

Email address

sdIrc@mui.ac.ir

Recruitment status

Recruitment complete

Funding source

Skin and Stem cell Research Center of Tehran University of Medical Sciences and Jordan Dermatology and Hair Transplantation Center

Expected recruitment start date

2014-01-20, 1392/10/30

Expected recruitment end date

2019-01-20, 1397/10/30
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty
Scientific title
Comparison between method of subcision by cannula as a new therapeutic way and common subcision by needle method in the treatment of acne scars
Public title
Comparison of the new method of subcision by cannula with common needle method in the treatment of scars.
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Having middle to severe rolling scar in face region Age between 20-60
Exclusion criteria:
Pregnancy and breastfeeding Coagulation disorder background Active infection in face
Age
From **20 years** old to **60 years** old
Gender
Both
Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **100**
Randomization (investigator's opinion)
Not randomized
Randomization description
Blinding (investigator's opinion)
Not 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 Tehran University of Medical Sciences

Street address

Tehran University of Medical Sciences, Enghelab Street, Tehran, Iran

City
Tehran
Province
Tehran
Postal code
1417653761
Approval date
2014-02-23, 1392/12/04
Ethics committee reference number
92-03-150-24394-105805

Health conditions studied

1

Description of health condition studied

Scar

ICD-10 code

L90.5

ICD-10 code description

Scar conditions and fibrosis of skin

Primary outcomes

1

Description

surface scars

Timepoint

Before each surgery

Method of measurement

visioface

2

Description

side effects

Timepoint

One week after surgery

Method of measurement

Questionnaire and visit

3

Description

Patient Satisfaction

Timepoint

One month after each surgery

Method of measurement

Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Subcision group with cannula: two sides of the face of patient will be gotten surgery by three 4 weeks interval

sessions with cannulas number 18 and 21

Category

Treatment - Surgery

2

Description

Subsicion group with needle: : two sides of the face of patient will be gotten surgery by three 4 weeks interval sessions with needle number 18G

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Clinics of Skin and Stem cell Research Center of Tehran University of Medical Sciences

Full name of responsible person

Elahe Lotfi

Street address

No 4, Maryam Alley, South Kamraniyeh Street, Tehran, Iran ۰۵۵۵

City

Tehran

Province

Tehran

Postal code

1937957511

Phone

+98 21 2221 5558

Email

tmarkaz@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Skin and Stem cell Research Center of Tehran University of Medical Sciences

Full name of responsible person

Mohammad Ali Nilforoushzadeh

Street address

No 4, Maryam Alley, South Kamraniyeh Street, Tehran, Iran

City

Tehran

Province

Tehran

Postal code

1937957511

Phone

+98 21 2251 5558

Email

tmarkaz@yahoo.com

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Skin and Stem cell Research Center of 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

Skin and Stem cell Research Center of Tehran University of Medical Sciences

Full name of responsible person

Elahe Lotfi

Position

Dermatologist

Latest degree

Specialist

Other areas of specialty/work

Dermatology

Street address

No 4, Maryam Alley, South Kamraniyeh Street, Tehran, Iran

City

Tehran

Province

Tehran

Postal code

193757511

Phone

+98 21 2223 9387

Fax

Email

el_le_18@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Skin and Stem cell Research Center of Tehran University of Medical Sciences

Full name of responsible person

Mohammad Ali Nilforoushzadeh

Position

Dermatologist

Latest degree

Specialist

Other areas of specialty/work

Dermatology
Street address
No 4, Maryam Alley, South Kamraniyeh Street,
Tehran, Iran
City
Tehran
Province
Tehran
Postal code
1937957511
Phone
+98 21 2223 9387
Fax
Email
nilforoosh@sina.tums.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Skin and Stem Cell Research Center of Tehran
University of Medical sciences
Full name of responsible person
Mona Mahmoudbeyk
Position
Research manager
Latest degree
Ph.D.
Other areas of specialty/work
Others
Street address
No 4, Maryam Alley, South Kamraniyeh Street,

Tehran, Iran
City
Tehran
Province
Tehran
Postal code
1937957511
Phone
+98 21 2221 5558
Email
mmahmoodbeyk@yahoo.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

No more information

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable