

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Investigating the Effectiveness of Radiofrequency-Assisted Subcision Treatment Compared to Combined Platelet-Rich Plasma (PRP) and Radiofrequency-Assisted Subcision Treatment on Scars Left by Acne Vulgaris

Protocol summary

Study aim

Investigating the Effectiveness of Radiofrequency-Assisted Subcision Treatment Compared to Combined Platelet-Rich Plasma (PRP) and Radiofrequency-Assisted Subcision Treatment on Scars Left by Acne Vulgaris

Design

This Study Is About People Who Suffer from Atrophic Type of Acne Scars. The Sample of the Study Was 10 People Who Referred to the Skin Clinic. These People Must be Over 18 Years Old and Have Mild to Moderate Atrophic Scars.

Settings and conduct

After Entering the Study, Patients Referred to Afzalipour Kerman Clinic, based on the type and Grading of Scars, Undergo a Session Of RF-Subcision Treatment on Both Sides of The Face and PRP Treatment on One Side of The Face

Participants/Inclusion and exclusion criteria

Inclusion Criteria: People Must be Over 18 Years Old and Have Mild to Moderate Atrophic Scars
Exit Criteria: 1- People with Underlying Diseases Such as Cardiac Pacemakers, Metal Implants Inside the Body
2- People with Active Acne Lesions or Infection on Scar Lesions
3- People Who Have Benefited from Other Scar Improvement Treatments Such as Laser, Physical and Chemical Exfoliation in The Last 4 Months

Intervention groups

10 People Who Refer to The Skin Clinic Should Be Over 18 Years Old and Have Mild to Moderate Atrophic Scars.

Main outcome variables

Acne Treatment

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20221110056463N1**

Registration date: **2023-06-10, 1402/03/20**

Registration timing: **registered_while_recruiting**

Last update: **2023-06-10, 1402/03/20**

Update count: **0**

Registration date

2023-06-10, 1402/03/20

Registrant information

Name

Najmeh Ahramianpour

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 917 370 3643

Email address

n.ahramianpour@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-09-22, 1401/06/31

Expected recruitment end date

2023-07-20, 1402/04/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the Effectiveness of Radiofrequency-

Assisted Subcision Treatment Compared to Combined Platelet-Rich Plasma (PRP) and Radiofrequency-Assisted Subcision Treatment on Scars Left by Acne Vulgaris

Public title

Effectiveness of Radiofrequency-Assisted Subcision Treatment Compared to Combined PRP Treatment on Scars

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

People Must be Over 18 Years Old and Have Mild to Moderate Atrophic Scars

Exclusion criteria:

People with Underlying Diseases such as Cardiac Pacemakers, Metal Implants Inside the Body People with Active Acne Lesions or Infection on Scar Lesions People Who Have Benefited from other Scar Improvement Treatments Such as Laser, Physical and Chemical Exfoliation in The Last 4 Months

Age

From **18 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **10**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Kerman University of Medical Sciences

Street address

Imam Khomeini Highway, Next to Shahid Bahonar University, Afzalipour Hospital, Kerman, Iran

City

Kerman

Province

Kerman

Postal code

7616913355

Approval date

2022-12-14, 1401/09/23

Ethics committee reference number

IR.KMU.AH.REC.1401.207

Health conditions studied

1

Description of health condition studied

Mild to Moderate Atrophic Scar

ICD-10 code

L90.5

ICD-10 code description

Scar conditions and fibrosis of skin

Primary outcomes

1

Description

Mild to Moderate Atrophic Scar

Timepoint

3 Months

Method of measurement

Through the cannula of 18 devices(Radiofrequency)

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: 10 People Who Refer to the Skin Clinic are Over 18 Years Old and Have Mild to Moderate Atrophic Scars. First, the Lesions of Each Patient are Photographed and the Number of Scar Lesions is Determined along with its type, and the Lesions are Graded Qualitatively and Quantitatively. Then each Patient Will Undergo One Treatment Session. For all Patients, RF-Subcision will be Performed on both sides of the Face. Then one Side of the Face is Randomly treated with Platelet-Rich Plasma.

Category

Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center

Afzalipour Hospital

Full name of responsible person

Najmeh Ahramiyanpour

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Imam Khomeini Highway, Next to Shahid Bahonar
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Email

najmeh.pour@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kerman University of Medical Sciences

Full name of responsible person

Najmeh Ahramiyanpour

Street address

Imam Khomeini Highway, Next to Shahid Bahonar
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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

Kerman 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

Kerman University of Medical Sciences

Full name of responsible person

Najmeh Ahramiyanpour

Position

Assistant Professor

Latest degree

Medical doctor

Other areas of specialty/work

Dermatology

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Kerman University of Medical Sciences

Full name of responsible person

Najmeh Ahramiyanpour

Position

Assistant Professor

Latest degree

Medical doctor

Other areas of specialty/work

Dermatology

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Person responsible for updating data

Contact

Name of organization / entity

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Position

Assistant Professor

Latest degree

Specialist

Other areas of specialty/work

Dermatology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

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

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

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

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

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

Data Dictionary

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