

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Aug 2026

The comparison of the effects of aloe vera cream and face doux on improving the appearance of scar after resection of ala in rhinoplasty

Protocol summary

Study aim

Evaluation of the effect of aloe vera cream on alar reconstruction scar after rhinoplasty

Design

In the first group, aloe vera cream will be used and in the second group, Face Dox cream will be used (repair cream with good performance and available in the market). Aloe vera cream will be prepared by a pharmacist. Patients will be in a double-blind study. In this way, the tubes of both creams are similar to each other in terms of color, smell and appearance of the contents inside the tubes, and the creams are marked with numbers A and B. alar surgery for rhinoplasty will be performed by an ENT specialist and the stitches will be removed a week later. At the same time, the creams will be started twice a day for a month.

Settings and conduct

alar surgery for rhinoplasty will be performed by an ENT specialist and the stitches will be removed a week later, at the same time the creams will be started twice a day for a month. Three months after surgery, the scar will be evaluated by the Manchester scar scale and dermoscopy and photography under the supervision of a dermatologist. The appearance of the wound and the wound erythema will be evaluated by the surgeon. Study place: Shiraz Motahari ENT Clinic

Participants/Inclusion and exclusion criteria

Inclusion criteria: All men and women between the ages of 18 and 60 who have undergone rhinoplasty with alar removal and wish to participate in this study
Exclusion criteria: participants who have a underlying diseases

Intervention groups

In the first group, aloe vera cream will be used and in the second group, Face Dox cream will be used (repair cream with good performance and available in the market). Aloe vera cream will be prepared by a pharmacist. Patients will be in a double-blind study.

Main outcome variables

Scar status after surgery

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170704034897N3**

Registration date: **2022-03-05, 1400/12/14**

Registration timing: **prospective**

Last update: **2022-03-05, 1400/12/14**

Update count: **0**

Registration date

2022-03-05, 1400/12/14

Registrant information

Name

Seyed Hossein Owji

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3624 7985

Email address

owji_h@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-03-06, 1400/12/15

Expected recruitment end date

2022-04-19, 1401/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of the effects of aloe vera cream and face doux on improving the appearance of scar after resection of ala in rhinoplasty

Public title

The effects of aloe vera cream and face doux on scar after rhinoplasty

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

All men and women between the ages of 18 and 60 who have undergone rhinoplasty with alar removal and wish to participate in this study

Exclusion criteria:

participants who have a chronic obstructive pulmonary disease participants who have uncontrolled heart diseases participants who have heart failure participants who have a hepatic and renal failure

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Outcome assessor
- Data analyser

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Randomized

Randomization description

Randomization of patients into two treatment groups will be done based on the list obtained from the permuted block method. In this study, the number of blocks is 15 and the size of block is 4. A statistician generated the randomized list by using NCSS (statistical software).

Blinding (investigator's opinion)

Double blinded

Blinding description

In this way, the tubes of both creams are similar to each other in terms of color, smell and appearance of the contents inside the tubes, and the creams are marked with numbers A and B.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shiraz University of Medical Sciences

Street address

Shiraz University of medical sciences, Zand street, Shiraz

City

Shiraz

Province

Fars

Postal code

7134814336

Approval date

2021-07-24, 1400/05/02

Ethics committee reference number

IR.SUMS.MED.REC.1400.221

Health conditions studied

1

Description of health condition studied

wound scar

ICD-10 code

L91.0

ICD-10 code description

Hypertrophic scar

Primary outcomes

1

Description

Scar status after surgery

Timepoint

Three months after the initial surgery

Method of measurement

By Manchester scar scale and dermoscopy and photography under the supervision of a dermatologist and examination of the appearance of the wound and wound erythema by the surgeon

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In this group, aloe vera cream will be used. Alar surgery in rhinoplasty will be performed by an ENT specialist and a week later the stitches will be removed and at the same time aloe vera cream will be applied to the wound twice a day for a month. The scar will be evaluated three months after scar surgery.

Category

Treatment - Drugs

2

Description

Control group: In this group, face doux cream (Wound healing cream with good performance and available in the market) will be used. Alar surgery in rhinoplasty will be performed by an ENT specialist and a week later the stitches will be removed and at the same time face doux cream will be applied to the wound twice a day for a month. The scar will be evaluated three months after scar surgery.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Motahhari clinic at Shiraz University of Medical Sciences

Full name of responsible person

Seyed Hossein Owji

Street address

Khalili Hospital, Khalili street, Shiraz, Iran

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Mahtab Memarpour

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Web page address

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shiraz 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

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Seyed Hossein Owji

Position

ENT resident

Latest degree

Medical doctor

Other areas of specialty/work

Ear, Nose, and Throat

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Seyed Hossein Owji

Position

ENT resident

Latest degree

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Person responsible for updating data

Contact

Name of organization / entity
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Full name of responsible person
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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

Undecided - It is not yet known if there will be 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