

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jun 2026

Comparative effect of different suture techniques on blepharoplasty surgery scar in patients referred to Arak educational and medical centers: Clinical trial

Protocol summary

Study aim

Comparative effect of different suture techniques in blepharoplasty surgery in patients referred to Arak Medical Center

Design

Sutures are made on a patient's two eyes, with one eye being randomly sutured with a simple suture and the other with a subcutaneous suture. We do not have blindness, the sample size is 20 patients. The area is photographed by the researcher (plastic surgeon). One and six months after surgery, the area is examined

Settings and conduct

Background: Comparison of surgical repair site with Sochour two techniques Location: Arak Educational and Medical Centers Procedure: After suturing the patient's two eyes, which are selected as a random permutation block, a simple subcutaneous patch is closed. : One and six months later, the physician uses the Vancouver Scale to assess and score the scar area.

Participants/Inclusion and exclusion criteria

All patients who are candidates for elective cosmetic eyelid surgery (blepharoplasty) that referred to the educational training center; exclusion criteria: If the patient voluntarily leaves the study

Intervention groups

One eye is repaired with a simple separate incision and the other eye is repaired with a subcutaneous suture. The patient's eyes are involved in the intervention.

Main outcome variables

Improving scar tissue in terms of color, redness, flexibility and swelling

General information

Reason for update

Acronym

ندارد

IRCT registration information

IRCT registration number: **IRCT20201006048950N2**

Registration date: **2021-12-04, 1400/09/13**

Registration timing: **registered_while_recruiting**

Last update: **2021-12-04, 1400/09/13**

Update count: **0**

Registration date

2021-12-04, 1400/09/13

Registrant information

Name

Mahboobeh Khosravani

Name of organization / entity

Arakuniversity of medical science

Country

Iran (Islamic Republic of)

Phone

+98 86 3417 3505

Email address

mahboobkhosravani@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-09-24, 1400/07/02

Expected recruitment end date

2022-02-21, 1400/12/02

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative effect of different suture techniques on

blepharoplasty surgery scar in patients referred to Arak educational and medical centers: Clinical trial

Public title

Comparison of the effect of blepharoplasty scar with two suture methods

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Age between 65-18 years Complete of the informed consent form

Exclusion criteria:

Conditions and diseases in which the immune system is weakened and wound healing is delayed (diabetes, cancer, immunosuppressive drugs, corticosteroids, congenital lesions, scars from trauma surgery)

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: **20**

More than 1 sample in each individual

Number of samples in each individual: **2**

One and six months after the surgery, the area is observed by the researcher (specialist and plastic surgeon) and the patient's eye is photographed at each stage.

Randomization (investigator's opinion)

Randomized

Randomization description

Randomly, one eye is repaired with a simple severed suture and the other eye with a subcutaneous suture. We use the random permutation block method for randomization. Because a patient's two eyes are used in the intervention. There is no moral problem. The researcher randomly assigns the type of suture to each patient's eyes.

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

not

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Research Ethics Committee of Arak University of Medical Sciences

Street address

Basij square. Sardasht alley, the complex of the Great Prophet. Second floor. Vice Chancellor for Research, Arak University of Medical Sciences

City

ARAK

Province

Markazi

Postal code

3813734197

Approval date

2021-08-08, 1400/05/17

Ethics committee reference number

IR.ARAKMU.REC.1400.125

Health conditions studied

1

Description of health condition studied

elective cosmetic eyelid surgery (blepharoplasty)

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Improving scar tissue in terms of color, redness, flexibility and swelling

Timepoint

One and six months after surgery

Method of measurement

Vancouver scale, which includes: in terms of color, vascularity, flexibility, height.

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group 1: is a patient eye (left or right). that suture is separately simple

Category

Treatment - Surgery

2

Description

Intervention group 2: Another eye (left or right). that suture is subcutaneous.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

All educational medical centers of Arak University of Medical Sciences

Full name of responsible person

mahboobe khosravani

Street address

Shahid Beheshti St. Meysam Street .Adli Alley .Rastak Complex

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Phone

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Fax**Email**

mahboobkhosravani@arakmu.ac.ir

Web page address

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

mahboobeh khosravani

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Shahid Beheshti St. Meysam Street .Adli Alley .Rastak Complex

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Grant name

Arak University of Medical Sciences

Grant code / Reference number**Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Arak 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**

Arak University of Medical Sciences

Full name of responsible person

Mahboobeh Khosravani

Position

University faculty member

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact**Name of organization / entity**

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Full name of responsible person

Mahboobeh khosravani

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Faculty member

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for updating data

Contact

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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

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable