Clinical Trial Protocol
Iranian Registry of Clinical Trials

02 Nov 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 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)
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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 suubcutaneous.
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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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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Nursery

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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
Not applicable

Analytic Code
Not applicable

Data Dictionary
Not applicable