

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of lateral crura cut overly and medial crura cut overlay in creating and maintaining tip projection and rotation in Rhinoplasty patients: A nonrandomized single-blind trial

Protocol summary

Study aim

Comparison of lateral crural overlay and medial crural overlap technique in development and maintenance of nasal tip projection and rotation in Rhinoplasty

Design

In this non-randomized single-blinded clinical trial, 48 patients were evaluated in two groups using Lateral crural overlay and Medial crural overlap Technique . Patients and person who measure outcomes were blind.

Settings and conduct

The standard photography before and after surgery (3 months and 12 months postoperation) was prepared and the nasal tip projection and rotation were determined via Photoshop software by Goode's method and nasolabial angle. The satisfaction rate from rhinoplasty and nasal function were assessed by Standardized Cosmesis and Health Nasal Outcomes Survey (SCHNOS) scale before, 3 months and 12 months after surgery

Participants/Inclusion and exclusion criteria

Inclusion criteria: patients with overprojected, droopy nose who were Rhinoplasty candidate Exclusion criteria: history of nasal trauma, complex deformity of nose, deviated nose, cleft lip nose deformity, revision surgery

Intervention groups

Intervention group 1: using lateral crural overlay technique in rhinoplasty Intervention group 2: using medial crural overlap technique in rhinoplasty

Main outcome variables

Nasal Tip Projection, Nasal Tip Rotation

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20080820001056N5**
Registration date: **2020-03-25, 1399/01/06**

Registration timing: **retrospective**

Last update: **2020-03-25, 1399/01/06**

Update count: **0**

Registration date

2020-03-25, 1399/01/06

Registrant information

Name

babak saedi

Name of organization / entity

tehran university of medical science

Country

Iran (Islamic Republic of)

Phone

+98 21 2270 0765

Email address

saedi@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-09-27, 1397/07/05

Expected recruitment end date

2018-12-31, 1397/10/10

Actual recruitment start date

2018-09-27, 1397/07/05

Actual recruitment end date

2018-12-31, 1397/10/10

Trial completion date

2020-01-05, 1398/10/15

Scientific title

Comparison of lateral crura cut overly and medial crura cut overlay in creating and maintaining tip projection and rotation in Rhinoplasty patients: A nonrandomized single-blind trial

Public title

Comparison of lateral crura cut overly and medial crura cut overlay in tip projection and rotation

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Patients candidate for Rhinoplasty with overprojected nose
Patients candidate for Rhinoplasty with Droopy nose

Exclusion criteria:

Patients with history of nasal trauma
Patients with complex deformities, Deviated nose and, cleft lip- nose deformity
Revision Rhinoplasty

Age

From **16 years** old to **50 years** old

Gender

Both

Phase

3

Groups that have been masked

- Participant
- Outcome assessor

Sample size

Target sample size: **40**

Actual sample size reached: **48**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Patients and person who measure outcomes were blinded

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, Qods St., Keshavarz Blv

City

Tehran

Province

Tehran

Postal code

1417653761

Approval date

2018-08-08, 1397/05/17

Ethics committee reference number

IR.TUMS.IKHC.REC.1397.124

Health conditions studied

1

Description of health condition studied

Rhinoplasty

ICD-10 code

M95.0

ICD-10 code description

Acquired deformity of nose

Primary outcomes

1

Description

Nasal Tip Projection

Timepoint

Nasal tip projection measurement before intervention and 3 and 12 months after intervention

Method of measurement

Goode's Ratio

2

Description

Nasal Tip Rotation

Timepoint

Nasal tip rotation measurement before intervention and 3 and 12 months after intervention

Method of measurement

Nasolabial angle

Secondary outcomes

1

Description

Patient's Satisfaction of Rhinoplasty

Timepoint

3 and 12 months after surgery

Method of measurement

Standardized Cosmesis and Health Nasal Outcomes Survey (SCHNOS)

2

Description

Nasal Function

Timepoint

Before, 3 and 12 months after surgery

Method of measurement

Standardized Cosmesis and Health Nasal Outcomes Survey (SCHNOS)

Intervention groups

1

Description

Intervention group: Using Lateral crural overlay technique by cutting lateral crura 10 mm lateral to dome and advancing medial segment over lateral segment with 2-5 mm overlap. Nasal tip projection and nasal tip rotation were measured by Goode's ratio and nasolabial angle, respectively using Photoshop software before, 3 months and 12 months after surgery. Patient's satisfaction rate and nasal function assessed by SCHNOS questionnaire before, 3 months and 12 months after rhinoplasty.

Category

Treatment - Surgery

2

Description

Intervention group: Using Medial crural overlap + lateral crural steal technique in rhinoplasty. Nasal tip projection and nasal tip rotation were measured by Goode's ratio and nasolabial angle, respectively using Photoshop software before, 3 months and 12 months after surgery. Patient's satisfaction rate and nasal function were assessed by SCHNOS questionnaire before, 3 months and 12 months after rhinoplasty.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital Complex

Full name of responsible person

Babak Saedi

Street address

Imam Khomeini Hospital, Keshavarz Blvd,

City

Tehran

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Tehran

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141979733141

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+98 21 6658 1628

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saedi@tums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Mohammad Ali Sahraei

Street address

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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

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

Tehran University of Medical Sciences

Full name of responsible person

Babak Saedi

Position

Professor

Latest degree

Specialist

Other areas of specialty/work

Ear, Nose, and Throat

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Email

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Babak Saedi

Position

Professor

Latest degree

Specialist

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Person responsible for updating data

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Elaheh Darzi

Position

Resident

Latest degree

Medical doctor

Other areas of specialty/work

Ear, Nose, and Throat

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elaheh.darzi87@gmail.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is 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

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

we will publish it in article

When the data will become available and for how long

we will publish it in article 2020

To whom data/document is available

nobody can have anything more than article

Under which criteria data/document could be used

we will publish it in article but nobody can have access to other data

From where data/document is obtainable

Contact with Researchers

What processes are involved for a request to access data/document

Contact with Researchers

Comments