

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Jun 2026

Correction of deviated nose by using dynamic adjustable tip graft

Protocol summary

Study aim

Correction of deviated nose by using dynamic adjustable tip graft

Design

Patients 18 to 40 years, Single group' clinical trial, 18 patients with nose deviated

Settings and conduct

This research was conducted in Besat Hospital of Hamadan. First, a close-up photo of the face is taken from different angles. The dorsal angle is measured and recorded from taken photo-graphics by measuring the angle created between the two hypothetical lines: mid line and dorsal aesthetic line as well as the angle of the tip of the nose. In this study, open rhinoplasty is performed by inverted gull wing incision in all patients. After lifting the flap and exposing the dorsum and lifting the mucosal flap of the submucosa and sub mucoperichondrium through the septum and humpectomy, the L-strut is preserved and the quadrangular cartilage is removed. After performing the required rhinoplasty procedures in each patient, two long spreader grafts are placed on both sides of the septum and fixed to the medial crura on both sides and the columella strut, in all of them, thus creating a dynamic adjustable rotational tip graft. After the end of the surgery, the patients are followed up for two years and at the end of the second year, a close-up graph is taken and the mentioned indicators are re-evaluated.

Participants/Inclusion and exclusion criteria

Patients with deviation; Age 18 to 40 years Medical diseases that prevent surgery; History of previous surgery on the nose and face; Patient dissatisfaction

Intervention groups

Rhinoplasty to treat nose deviated

Main outcome variables

nose deviation

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180531039923N1**

Registration date: **2020-07-23, 1399/05/02**

Registration timing: **retrospective**

Last update: **2020-07-23, 1399/05/02**

Update count: **0**

Registration date

2020-07-23, 1399/05/02

Registrant information

Name

Elnaz Shariatpanahi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 81 3264 3069

Email address

e.shariatpanahi@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-03-21, 1398/01/01

Expected recruitment end date

2020-03-20, 1399/01/01

Actual recruitment start date

2019-04-09, 1398/01/20

Actual recruitment end date

2020-03-15, 1398/12/25

Trial completion date

2020-03-15, 1398/12/25

Scientific title

Correction of deviated nose by using dynamic adjustable tip graft

Public title

deviated nose by using dynamic adjustable tip graft

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Patients with deviation deviation Age 18 to 40 years

Exclusion criteria:

Medical diseases that prevent surgery - History of previous surgery on the nose and face Patients' dissatisfaction

Age

From **18 years** old to **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **18**

Actual sample size reached: **18**

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 Hamadan University of Medical Sciences

Street address

Ethics Committee in Research, Office of Vice Chancellor for Education, Hamadan University of Medical Sciences, Shahid Fahmideh Blvd, Hamadan.

City

hamadan

Province

Hamadan

Postal code

65176-19657

Approval date

2020-02-29, 1398/12/10

Ethics committee reference number

IR.UMSHA.REC.1398.1061

Health conditions studied

1

Description of health condition studied

deviation

ICD-10 code

J34.2

ICD-10 code description

Deviated nasal septum

Primary outcomes

1

Description

Feeling of inability of the patient to enter and exit the air from the nasal vestibule

Timepoint

Photographs are taken before and two years after surgery.

Method of measurement

The Dorsum angle is measured, The Nasal tip angle is measured

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In this study, open rhinoplasty is performed by inverted gull wing incision in all patients. After lifting the flap and exposing the dorsum and lifting the mucosal flap of the submucosa and sub mucoperichondrium through the septum and humpectomy, the L-strut is preserved and the quadrangular cartilage is removed. After performing the required rhinoplasty procedures in each patient, two long spreader grafts are placed on both sides of the septum and fixed to the medial crura on both sides and the columella strut, in all of them, thus creating a dynamic adjustable rotational tip graft.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Besat Hospital

Full name of responsible person

Elnaz Shariatpanahi

Street address

Next to ENT Clinic, Besat Hospital, Hamadan, Iran

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Postal code
6514845411
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Email
e.shariatpanahi@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Saeed Bashirian
Street address
Office of Vice Chancellor for Education, Hamedan
University of Medical Sciences , Shahid Fahmideh
Blvd, Hamadan.
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internationalaffairs@umsha.ac.ir
Web page address
<http://en.umsha.ac.ir/?p=289>

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Hamedan 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
Hamedan University of Medical Sciences
Full name of responsible person
Elnaz Shariatpanahi
Position
Assistant Professor, Faculty member of Hamadan

University of Medical Sciences
Latest degree
Specialist
Other areas of specialty/work
Ear, Nose, and Throat
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Person responsible for scientific inquiries

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Person responsible for updating data

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Other areas of specialty/work

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Email

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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

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Information about back angle, tip angle, nasal obstruction, before and after surgery is shared

When the data will become available and for how long

It is possible to start accessing the information 3 months after the results are published

To whom data/document is available

ENT researchers

Under which criteria data/document could be used

The output of the researchers should not be the same as our article data

From where data/document is obtainable

Email to: e.shariatpanahi@yahoo.com

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

After receiving the email, if the requested information is available, the items will be emailed to the person within a maximum of one week

Comments