# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

16 Sep 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 garaft. 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 garaft.
**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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6514845411
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## 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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**Fax**
+98 81 3838 0130
**Email**
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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## 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**