

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

11 Jun 2026

### comparison of manometry changes in rhinoplasty autospreader vs spreader graft techniques in patients referred for cosmetic rhinoplasty

#### Protocol summary

##### Summary

Objectives: to compare the functional and aesthetic outcomes of spreader graft vs autospreader graft in rhinoplasty surgeries Design: a cotrolled parallel randomized trial Setting and conduct: Panzdah khordad hospital, a referal hospital in Tehran Participants : Patinent aged 18-60 who referred to Panzdah-e-Khordad hospital for elective rhinoplasty during years 2013-2014 there is no exclusion criteria Intervention: spreader graft vs autospreader graft main outcome measures : Nasal flow and resistance using rhinomanometry.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014100719444N1**  
Registration date: **2014-12-26, 1393/10/05**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-12-26, 1393/10/05

##### Registrant information

##### Name

Ataollah Heidari

##### Name of organization / entity

15th Khordad hospital

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 6687 5090

##### Email address

ata\_heidari@sbmu.ac.ir

##### Recruitment status

Recruitment complete

##### Funding source

Shaheed Beheshti University of medical Sciences

##### Expected recruitment start date

2013-01-01, 1391/10/12

##### Expected recruitment end date

2014-12-01, 1393/09/10

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

comparison of manometry changes in rhinoplasty autospreader vs spreader graft techniques in patients referred for cosmetic rhinoplasty

##### Public title

comparison of manometry changes in rhinoplasty autospreader vs spreader graft techniques in patients referred for cosmetic rhinoplasty

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Patients reffered for rhinoplasty, age 18-60 years.

##### Age

From **18 years** old to **60 years** old

##### Gender

Both

##### Phase

3

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: **50**

##### Randomization (investigator's opinion)

Randomized

##### Randomization description

##### Blinding (investigator's opinion)

Not blinded  
**Blinding description**  
**Placebo**  
Not used  
**Assignment**  
Parallel  
**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

**Name of ethics committee**  
Shahib Beheshti University of Medical Sciences  
ethical committee  
**Street address**  
Shahib Beheshti University of Medical Sciences  
ethical committee, Resarch deputy, Velenjak  
**City**  
Tehran  
**Postal code**  
**Approval date**  
2013-09-08, 1392/06/17  
**Ethics committee reference number**  
0308/8462

## Health conditions studied

### 1

**Description of health condition studied**  
Rhinoplasty  
**ICD-10 code**  
J34  
**ICD-10 code description**  
Other disorders of nose and nasal sinuses

## Primary outcomes

### 1

**Description**  
Nasal flow  
**Timepoint**  
1 month after intervention  
**Method of measurement**  
Rhinomanometer

## Secondary outcomes

### 1

**Description**  
Total nasal airway resistance  
**Timepoint**  
1 month after intervention

## Method of measurement

Manometry

## Intervention groups

### 1

**Description**  
Auto spreader flap technic in rhinoplasty  
**Category**  
Treatment - Surgery

### 2

**Description**  
Spreader flap technic in rhinoplasty  
**Category**  
Treatment - Surgery

## Recruitment centers

### 1

**Recruitment center**  
**Name of recruitment center**  
15th Khordad Hospital  
**Full name of responsible person**  
Ataolah Heydari  
**Street address**  
15th Khordad Hospital  
**City**  
Tehran

## Sponsors / Funding sources

### 1

**Sponsor**  
**Name of organization / entity**  
Vice chancellor for research, of Shahid Beheshti  
University of Medical Sciences  
**Full name of responsible person**  
Ali Peyvandi  
**Street address**  
15th Khordad hospital  
**City**  
Tehran  
**Grant name**  
**Grant code / Reference number**  
**Is the source of funding the same sponsor organization/entity?**  
Yes  
**Title of funding source**  
Vice chancellor for research, of Shahid Beheshti  
University of Medical Sciences  
**Proportion provided by this source**  
100  
**Public or private sector**  
empty  
**Domestic or foreign origin**  
empty  
**Category of foreign source of funding**

*empty*

**Country of origin**

**Type of organization providing the funding**

*empty*

**Person responsible for general inquiries**

**Contact**

**Name of organization / entity**

Shahid Beheshti university of medical sciences

**Full name of responsible person**

Ataollah Heidari

**Position**

Surgeon

**Other areas of specialty/work**

**Street address**

15th Khordad Hospitoal, South Aban st., Karimkhan st.

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**Web page address**

**Person responsible for updating data**

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**Name of organization / entity**

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**Full name of responsible person**

Ataollah Heidari

**Position**

surgeon

**Other areas of specialty/work**

**Street address**

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**Email**

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**Web page address**

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Shahid Beheshti university of medical sciences

**Full name of responsible person**

Ataollah Heidari

**Position**

Plastic surgeon, fellowship

**Other areas of specialty/work**

**Street address**

15 Khordad Hospital, South Abab st. Karimkhan st,

**City**

Tehran

**Postal code**

**Sharing plan**

**Deidentified Individual Participant Data Set (IPD)**

*empty*

**Study Protocol**

*empty*

**Statistical Analysis Plan**

*empty*

**Informed Consent Form**

*empty*

**Clinical Study Report**

*empty*

**Analytic Code**

*empty*

**Data Dictionary**

*empty*