

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

28 May 2026

### Evaluation of nasal width before and after rhinoplasty surgery in patients referred to Bouali and Farhikhtegan hospitals in Tehran after 6 months

#### Protocol summary

Registration timing: **prospective**

#### Study aim

Determining the evaluation of nasal width before and six months after rhinoplasty surgery in patients referred to Bouali and Farhikhtegan hospitals in Tehran

Last update: **2021-08-01, 1400/05/10**

Update count: **0**

#### Registration date

2021-08-01, 1400/05/10

#### Design

Clinical trial, with 30 samples, with single group and without control group

#### Registrant information

##### Name

Amir Mousavi Yazdi

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2280 8828

##### Email address

mousavibabak68@yahoo.com

#### Settings and conduct

Research on 30 patients referred to Bouali and Farhikhtegan Hospitals who underwent rhinoplasty surgery. Before surgery, a photograph was taken of the patient with standard conditions and Rhino analysis of the patient and the dimensions of the study, including Inter Alar Width and its ratio to lines. The medial canthus of the two sides, which is the gold standard in this ratio, is measured one by one, and the length of the upper lip is also measured before surgery. A questionnaire is also provided to patients that the patient expresses his satisfaction with the width of the nose in the Inter Alar areas from zero to ten.

#### Recruitment status

**Recruitment complete**

#### Funding source

#### Participants/Inclusion and exclusion criteria

Candidate patients for rhinoplasty surgery; age at least 18 years old; does not have any systemic diseases; do not take any medication

#### Expected recruitment start date

2021-09-23, 1400/07/01

#### Expected recruitment end date

2022-04-20, 1401/01/31

#### Intervention groups

The intervention performed in this study on the target group is rhinoplasty cosmetic surgery. Surgery is performed without alar resection and without manipulating the depressor septi nasi muscle.

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Main outcome variables

The distance between the alar; upper lip length

#### Trial completion date

empty

#### General information

#### Scientific title

Evaluation of nasal width before and after rhinoplasty surgery in patients referred to Bouali and Farhikhtegan hospitals in Tehran after 6 months

#### Reason for update

#### Acronym

#### IRCT registration information

IRCT registration number: **IRCT20210705051791N1**

Registration date: **2021-08-01, 1400/05/10**

#### Public title

Evaluation of nasal width before and after rhinoplasty surgery in patients referred to Bouali and Farhikhtegan

hospitals in Tehran after 6 months

## Purpose

Other

## Inclusion/Exclusion criteria

### Inclusion criteria:

Candidate patients for rhinoplasty surgery Age at least 18 years old Does not have any systemic diseases Do not take any medication

### Exclusion criteria:

Having any kind of systemic diseases including diabetes, AIDS, osteoporosis, etc Existence of any pathological soft or hard tissue lesions of the mouth Patients with mental disorders Taking any medication during the last 6 months History of smoking, alcohol and drugs History of radiotherapy in the maxillofacial area in the past year

## Age

From **18 years** old

## Gender

Both

## Phase

N/A

## Groups that have been masked

*No information*

## Sample size

Target sample size: **30**

## 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 Azad university of Tehran of medical sciences

##### Street address

No.9, Neyestan 9 Ave., Pasdaran Blvd., Tehran

##### City

Tehran

##### Province

Tehran

##### Postal code

1946853314

#### Approval date

2020-06-13, 1399/03/24

#### Ethics committee reference number

IR.IAU.DENTAL.REC.1399.054

## Health conditions studied

### 1

#### Description of health condition studied

##### ICD-10 code

##### ICD-10 code description

## Primary outcomes

### 1

#### Description

The width of the nose

#### Timepoint

Six months after rhinoplasty surgery

#### Method of measurement

Photography

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Research on 30 patients referred to Bouali and Farhikhtegan Hospital who underwent rhinoplasty surgery. Before surgery, a photograph was taken of the patient with standard conditions and Rhino analysis of the patient and the dimensions of the study, including Inter Alar Width and its ratio to lines. The medial canthus of the two sides, which is the gold standard in this ratio, is measured one by one, and the length of the upper lip is also measured before surgery. A questionnaire is also provided to patients that the patient expresses his satisfaction with the width of the nose in the Inter Alar areas from zero to ten. Surgery is performed without alar esection and without manipulation of the depressor septi nasi muscle. After surgery and 6 months after surgery and reduction of patient swelling, another photo of the patient is prepared and re-analyzed on the patient photo and the desired dimensions are obtained and the questionnaire will be given to the patient again to express his satisfaction. Determine the width of the nose after rhinoplasty from zero to ten. The data are then analyzed by paired t test, which shows changes in alar width before and after surgery, as well as patient satisfaction before and after surgery. There is also another statistical test called the Pearson correlation test to show the relationship between satisfaction and Alar changes before and after surgery. Photography is done by a canon camera with 5D mark3 model with a macro lens 100 and at a distance of 3 meters from the subject and in the same light conditions in the studio

#### Category

N/A

## Recruitment centers

### 1

#### Recruitment center

**Name of recruitment center**

Boali Hospital

**Full name of responsible person**

Amir Mousavi Yazdi

**Street address**

Damavand Ave., Emam Ali Highway

**City**

Tehran

**Province**

Tehran

**Postal code**

17117

**Phone**

+98 21 3331 1107

**Email**

boali.hospital96@gmail.com

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Islamic Azad University

**Full name of responsible person**

Arash Azizi

**Street address**

No. 9, Neystan 9, Pasdaran Boulevard, Tehran

**City**

Tehran

**Province**

Tehran

**Postal code**

1946853314

**Phone**

+98 21 2256 4571

**Email**

mousavibabak68@yahoo.com

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Islamic Azad University

**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**

Islamic Azad University

**Full name of responsible person**

Amir Mousavi Yazdi

**Position**

oral and maxillo facial surgery resident

**Latest degree**

Medical doctor

**Other areas of specialty/work**

Dentistry

**Street address**

Neyestan 9 Alley, Pasdaran Street

**City**

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**Province**

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**Email**

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## Person responsible for scientific inquiries

#### Contact

**Name of organization / entity**

Islamic Azad University

**Full name of responsible person**

Amir Mousavi Yazdi

**Position**

Resident of oral and maxillofacial surgery

**Latest degree**

Medical doctor

**Other areas of specialty/work**

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## Person responsible for updating data

#### Contact

**Name of organization / entity**

Islamic Azad University

**Full name of responsible person**

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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**

Yes - There is a plan to make this available

**Data Dictionary**

Yes - There is a plan to make this available

**Title and more details about the data/document**

All data will be shared

**When the data will become available and for how long**

Access period starts 6 months after the results are published

**To whom data/document is available**

Researchers working in academic and scientific institutions And cosmetic and maxillofacial surgeries

**Under which criteria data/document could be used**

There is no other case

**From where data/document is obtainable**

Research site of the Faculty of Dentistry, Azad Tehran, to [www.dental.iautmu.ac.ir](http://www.dental.iautmu.ac.ir)

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

Theses and articles are stored on the site [www.dental.iautmu.ac.ir](http://www.dental.iautmu.ac.ir) and the client can access the data after registering on this site.

**Comments**