

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

Tehran

Province

Tehran

Postal code

1946853314

Phone

+98 21 2256 4571

Email

mousavibabak68@yahoo.com

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

Dentistry

Street address

Neyestan.9 Alley, Pasdaran Street

City

Tehran

Province

Tehran

Postal code

1946853314

Phone

+98 21 2256 4571

Fax

Email

mousavibabak68@yahoo.com

Person responsible for updating data

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

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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

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

Theses and articles are stored on the site www.dental.iautmu.ac.ir and the client can access the data after registering on this site.

Comments