

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The assessment of the effect of lateral crural steel technique on the nasolabial angle and nasal tip projection

Protocol summary

Study aim

The assessment of the effect of lateral crural steel technique on the nasolabial angle and nasal tip projection in Buali hospital and private clinic

Design

A non-randomized clinical trial study on 20 patients referred to Buali Hospital and private clinic with inclusion criteria.

Settings and conduct

This study will be a pre-and post-comparative clinical trial. Anyone who has had indication for rhinoplasty surgery and Refer to Buali hospital and the private clinic with no previous rhinoplasty surgery, No trauma to the nose, no need for jaw correction surgery, and congenital syndromic abnormalities Craniomaxillo facial, also declare their agreement after justification, will be reviewed. At first a standard photograph is taken of the patients' profiles and measured nasolabial angle and nasal tip projection using the golden software ratio. Then, six months later, these two variables are measured in the manner described above and compared.

Participants/Inclusion and exclusion criteria

1) The nasolabial angle of the nose should not be within the normal range of 90-110 2) Projection of the nasal tip is not within the normal range of 55-60%. 3) No evidence of previous rhinoplasty surgery. 4) No trauma to the nose and no history of trauma. 5)The patient does not require jaw surgery. 6) The patient does not have congenital craniomaxillofacial syndrome.

Intervention groups

Rhinoplasty surgery is performed on patients who meet the inclusion criteria, and the technique used in these patients to correct rotation and projection will be the only lateral crural steal technique.

Main outcome variables

nasolabial angle , nasal tip projection

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200105046020N1**

Registration date: **2020-02-02, 1398/11/13**

Registration timing: **retrospective**

Last update: **2020-02-02, 1398/11/13**

Update count: **0**

Registration date

2020-02-02, 1398/11/13

Registrant information

Name

Hamidreza Tavakoly

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2670 6733

Email address

hatv1367@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-06-20, 1397/03/30

Expected recruitment end date

2018-12-21, 1397/09/30

Actual recruitment start date

2018-07-01, 1397/04/10

Actual recruitment end date

2018-12-31, 1397/10/10

Trial completion date

2019-07-01, 1398/04/10

Scientific title

The assessment of the effect of lateral crural steel technique on the nasolabial angle and nasal tip projection

Public title
The assessment of the effect of lateral crural steel technique on the nasolabial angle and nasal tip projection

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
Patients with indications for rhinoplasty surgery
Exclusion criteria:
normal nasolabial (90-110 degree) angle normal nasal tip projection (55-60%) history of rhinoplasty need to maxillofacial corrective surgery people with history of nasal trauma congenital anomalies such as Craniomaxillofacial Syndrome

Age
No age limit

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **20**
Actual sample size reached: **20**

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 Islamic Azad University Central Organization

Street address

Sattari Highway, University Sq, Shohadaye Hesarak Blvd, Azad University Central Organization

City

Tehran

Province

Tehran

Postal code

1477893855

Approval date

2018-05-27, 1397/03/06

Ethics committee reference number

IR.IAU.DENTAL.REC.1397.021

Health conditions studied

1

Description of health condition studied

nasal tip rotation and projection problem

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

nasolabial angle

Timepoint

pre-op and six month post-op

Method of measurement

standard photography from facial profile by golden software ratio

2

Description

nasal tip projection

Timepoint

pre-op and six month post-op

Method of measurement

standard photography from facial profile by golden software ratio

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group:rhinoplasty in persons without past rhinoplasty surgery, history of nasal trauma, need to maxillofacial corrective surgery, craniomaxillofacial syndrome, chronic disease by means of only lateral crural steal technique on nasal tip.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Buali hospital- private clinic

Full name of responsible person

Hamidreza Tavakoly

Street address

Velenjak Ave, Daneshjoo Blvd, Golrizan Sq,
Shaghayegh Alley, No.8

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1984746511

Phone

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Email

hatv1367@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

Dr. Arash Azizi

Street address

Pasdaran Ave, Neyestan 9th Alley, Islamic Azad
University Of Medical Science, Faculty of Dentistry

City

Tehran

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Tehran

Postal code

1946853314

Phone

+98 21 2256 4571

Email

DentalIAU@gmail.com

Web page address

<http://dental.iautmu.ac.ir/>

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

Private

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

Hamidreza Tavakoly

Position

Oral and Maxillofacial Resident

Latest degree

Medical doctor

Other areas of specialty/work

Dentistry

Street address

Velenjak Ave, Daneshjoo Blvd, Golrizan Sq,
Shaghayegh Alley, number 8 apt 10

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Person responsible for updating data

Contact

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Phone

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Fax**Email**

hatv1367@gmail.com

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

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available

Title and more details about the data/document

Abstract of study, Result, General Protocole

When the data will become available and for how long

1/7/1399

To whom data/document is available

Oral and Maxillofacial Surgery Residents and professors

Under which criteria data/document could be used

Use of the research is permitted only by reference to the source

From where data/document is obtainable

hatv1367@gmail.com

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

Send a formal request to the email referring to which part of the investigation requires complete information including the full name of the applicant including his / her name, medical education number, job and position along with sending a scan of documents including birth certificate or passport, medical system card , Residency or faculty Sentence.

Comments