

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Determining the Effect of Alar Contour Graft in Improvement of Respiratory Problems and Patients' Satisfaction after Rhinoplasty Based on Vertical Dome Division

Protocol summary

Summary

Aim of the study: Determination the effect of alar contour graft in improvement of respiratory problems after rhinoplasty in patients undergoing septorhinoplasty based on vertical dome division technique. Key Inclusion Criteria: Candidate patients for rhinoplasty Key Exclusion Criteria: Patients with nasal polyp; systemic disorders that postpones the wound healing, history of nasal trauma; psychiatric disorders preventing an unbiased post-op evaluation; severe septal deviation; congenital deformity and using spreader graft with any causes. Study Population: Two hundred and eleven candidate patients for rhinoplastic surgery. Random division: 111 patients in interventional group, 100 patients in control group. Study Intervention: in interventional group: rhinoplasty based on vertical dome division technique using alar contour graft, in control group: rhinoplasty based on vertical dome division technique. Primary outcome: Evaluation of respiratory problem before, 1 and 6 months after the surgery

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015062322889N1**
Registration date: **2015-07-19, 1394/04/28**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-07-19, 1394/04/28

Registrant information

Name

Saeid Pourseirafi

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 913 681 2273

Email address

pourseirafi@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2013-10-23, 1392/08/01

Expected recruitment end date

2015-03-21, 1394/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Determining the Effect of Alar Contour Graft in Improvement of Respiratory Problems and Patients' Satisfaction after Rhinoplasty Based on Vertical Dome Division

Public title

Effect of using Alar Contour Graft in Improvement of Respiratory Problems and Patients' Satisfaction after Rhinoplasty

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: The patients candidate for rhinoplasty in 1393 in Khalili Hospital, Shiraz; Completing consent

form; Completing demographic information and questionnaire
Exclusion criteria: Patient's with nasal polyp; Systemic disorders that postpones the wound healing; History of nasal trauma; Psychiatric disorders preventing an unbiased post-op evaluation; Poor follow up; Severe septal deviation diagnosed by P/E preoperatively; Congenital deformity; Using spreader graft with any causes

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **211**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Shiraz University of Medical Sciences

Street address

Medical college, Imam Hossein square, Zand street, Shiraz

City

Shiraz

Postal code

7134845794

Approval date

2014-05-31, 1393/03/10

Ethics committee reference number

CT-P-9359-5679

Health conditions studied**1****Description of health condition studied**

patients scheduled for rhinoplasty surgery

ICD-10 code

J34.2

ICD-10 code description

Deviated nasal septum

Primary outcomes**1****Description**

respiratory problem including airway obstruction

Timepoint

before the surgery, 1 month and 6 months after the surgery

Method of measurement

questionnaire and physical exam

Secondary outcomes**1****Description**

Patients' satisfaction from surgery

Timepoint

1 month and 6 months after the surgery

Method of measurement

questionnaire and physical exam

Intervention groups**1****Description**

control group: rhinoplasty based on vertical dome division technique

Category

Treatment - Surgery

2**Description**

intervention group: rhinoplasty based on vertical dome division technique using alar contour graft

Category

Treatment - Surgery

Recruitment centers**1****Recruitment center****Name of recruitment center**

Khalili Hospital

Full name of responsible person

Dr. Saeid Pourseirafi

Street address

Khalili hospital, Khalili street, Shiraz

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr.Reza Kaboodkhani

Street address

Medical College, Imam Hossein square, Zand street,
Shiraz

City

Shiraz

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

Yes

Title of funding source

Shiraz 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**

Shiraz University of Medical Sciences

Full name of responsible person

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Position

ENT resident

Other areas of specialty/work**Street address**

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Web page address

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