Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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: 111patients 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

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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 rhinoplastiy 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 surgary

Timepoint
1 month and 6 months after the surgery

Method of measurement
questionnaire and physical exam

Intervention groups

1

Description
control group:rhinoplasty based onvertical dome division technique

Category
Treatment - Surgery

2

Description
intervention group:rhinoplasty based onvertical 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
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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