

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 2026

Assay effective cryo therapy in reduce bruising and Swelling nose and sub optic in Patients undergoing operation surgery rhinoplasty in Martyr Rajai Hospital gachsaran2013

Protocol summary

Summary

Introduction: Cryotherapy has a long history of use in medicine. Clinical benefits Cryotherapy methods, including ease of use, bone mineral structure, and reduce the risk of infection. This procedure can be repeated without permanent side effects and the local area be used. Findings can be used for edema and swelling around the nose Cryotherapy greatly reduced, leading to a saving anti-inflammatory drugs with many side effects and faster recovery of the patient. In general focal cryotherapy in selected patients to reduce side effects. This study cryotherapy impact on reducing bruising and swelling around the nose and under the eyes of patients who undergo rhinoplasty is performed in the hospital martyr Rajai Gachsaran. Methods: This study is a clinical a martyr Rajai Hospital Gachsaran for rhinoplasty was performed on 70 patients. Demographic data questionnaire, registration form and information about how to measure edema and ecchymosis were specific for each patient separately regulated. Patients in the intervention and control groups of 10 teeth in 35 patients were divided into two groups. All patients received general anesthesia, closed rhinoplasty procedure was identical. For groups before, during and after surgery were Cryotherapy, all patients received the same postoperative care rhinoplasty. Cryotherapy groups with special pads were done in the cold, and the control group did not receive any Cryotherapy or specific drug used. View the amount of swelling and bruising after Cryotherapy after rhinoplasty surgery by someone who already had been taught about the swelling and bruising, and previous view of the position had been determined. Calibrated using the standard tools of ecchymosis and swelling were scored, and the data were recorded in the registration form. The amount of swelling and bruising in the intervention and control groups on both the right and left eyes at intervals of 0.5, 1, 6 and

24 hours after surgery was measured. The data collected by statistical software spss version 20 and independent t-test and test Greenhouse - Gysr were analyzed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013052613460N1**

Registration date: **2013-09-07, 1392/06/16**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-09-07, 1392/06/16

Registrant information

Name

Hossein Kavyani

Name of organization / entity

Isfahan University Vahd khovrasgan

Country

Iran (Islamic Republic of)

Phone

+98 74 2222 5031

Email address

h.kavyani@khuisf.ac.ir

Recruitment status

Recruitment complete

Funding source

Personal is finance

Expected recruitment start date

2013-07-24, 1392/05/02

Expected recruitment end date

2013-09-21, 1392/06/30

Actual recruitment start date

empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Assay effective cryo therapy in reduce bruising and Swelling nose and sub optic in Patients undergoing operation surgery rhinoplasty in Martyr Rajai Hospital gachsaran2013

Public title
Effective cryo therapy in reduce bruising and Swelling

Purpose
Supportive

Inclusion/Exclusion criteria
Exclusion criteria: 1 - In the study, patients had to be admitted to the hospital martyr Rajai Gachsaran. 2 - Patients should be settled Gachsaran 24 hours after surgery or rhinoplasty are staying in the city Gachsaran. 3 - Patients must be willing to participate in the study. 4 - Minimum 20 years and maximum age of patients is 40 years. 5 - Patients who do not express any disease that might interfere with rhinoplasty surgery. 6 - patients are referred for surgery rhinoplasty. 7 - Ability to answer the questions. Exclusion criteria: 1 - requests that the subjects withdrew from the study during the preoperative rhinoplasty questionnaire to analyze the data. 2 - Failure to comply with the instructions given to the patients before treatment and after rhinoplasty.

Age
From **20 years** old to **40 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **70**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Isfahan University of Medical Sciences

Street address

Isfahan - Gate Shiraz - Isfahan University of Medical Sciences

City

Isfahan

Postal code

75818-16664

Approval date

2013-06-26, 1392/04/05

Ethics committee reference number

492011

Health conditions studied

1

Description of health condition studied

Swelling and bruising

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Place of ecchymosis

Timepoint

0.5, 1 ,6 ,24 hours

Method of measurement

The method of determining the degree of ecchymosis around the eyes and under the terms of the observed

2

Description

Edema or swelling around the nose and under the eyes

Timepoint

5.0,1,6,24 hours

Method of measurement

Indentation of millimeters

Secondary outcomes

1

Description

Swelling and edema

Timepoint

5.0, 1, 6, 24 hours

Method of measurement

Indentation of millimeters

Intervention groups

1

Description

This study is a clinical trial in 35 patients from the

hospital martyr Rajai GACHSARAN for rhinoplasty (intervention group) were performed. Demographic data questionnaire, registration form and information about how to measure edema and ecchymosis were specific for each patient separately regulated. All patients received general anesthesia, closed rhinoplasty procedure was identical. For, before, during and after surgery were cryotherapy, all patients received the same postoperative care rhinoplasty.. Calibrated using the standard tools of ecchymosis and swelling were scored, and the data were recorded in the registration form. The amount of swelling and bruising in the intervention and control groups on both the right and left eyes at intervals of 0/5, 1, 6 and 24 hours after surgery was measured. The data collected by statistical software spss version 20 and independent t-test and test Greenhouse - Gysr were analyzed.

Category

Treatment - Other

2

Description

This study is a clinical trial in 35 patients from the hospital martyr Rajai GACHSARAN for rhinoplasty (control group) was performed. Demographic data questionnaire, registration form and information about how to measure edema and ecchymosis were specific for each patient separately regulated. All patients received general anesthesia, closed rhinoplasty procedure was identical. For, before, during and after surgery cryotherapy not used, all patients received the same postoperative care rhinoplasty. Calibrated using the standard tools of ecchymosis and swelling were scored, and the data were recorded in the registration form. Control the amount of swelling and bruising on both the right and left eyes at intervals of 0/5, 1, 6 and 24 hours after surgery was measured. The data collected by statistical software spss version 20 and independent t-test and test Greenhouse - Gysr were analyzed

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Martyr Rajai Hospital Gachsaran

Full name of responsible person

Hossein Kavyani

Street address

Martyr Rajai Hospital Gachsaran

City

Gachsaran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Isfahan University of Medical Sciences Branch

Full name of responsible person

Dr. Peiam Najafi

Street address

Five Hundred Machines left the Sation Martyr st.
Nazmi

City

Khorasgan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Isfahan University of Medical Sciences Branch

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

Isfahan Azad University khorasgan unit

Full name of responsible person

Hossein Kavyani

Position

MSc student

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Isfahan Azad University khorasgan unit

Full name of responsible person

Hossein Kavyani

Position

MSc student

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

Nazmi martyr St. hundred machines left the last station

City**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