

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The comparison between administration of morphine and paracetamol before surgery and paracetamol after surgery for pain management in patients with septorhinoplasty

Protocol summary

Summary

One the most common complaints after the septorhinoplasty surgery is the post-operative pain which can be irritable and have irreversible complications if it is not managed and controlled properly. In this study, we aim to assess the effect of morphine and paracetamol, administered intravenously, before and after the operation, on alleviating the post-operation pain in septorhinoplasty surgery. 120 patients with ages 15-60 years who are candidates for septorhinoplasty surgery will be chosen and will be divided randomly into 3 groups with 40 cases. For the first group, 1 gram paracetamol will be infused intravenously, in 30 minutes, 2 hours before the indication of anesthesia in operation. The second one will be received 1 gram paracetamol which will be infused intravenously in 30 minutes, after the operation in recovery room and the third one will be received 3 mg morphine after the operation in recovery room. After transferring the patients to the ward, every 2 hours, the severity of their pain will be examined by its ranking on the basis of the pain chart which is previously introduced to the patients. At the end, the efficacy of two drugs and their administration before and after the surgery will be compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014010615102N2**

Registration date: **2014-02-11, 1392/11/22**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-02-11, 1392/11/22

Registrant information

Name

Soheil Ashkani-Esfahani

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 1626 2033

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ashkanis@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2012-02-20, 1390/12/01

Expected recruitment end date

2013-03-20, 1391/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison between administration of morphine and paracetamol before surgery and paracetamol after surgery for pain management in patients with septorhinoplasty

Public title

The comparison between administration of morphine and paracetamol for pain management in nose surgery

Purpose

Supportive

Inclusion/Exclusion criteria

inclusion criteria:patients who have septorhinoplasty surgery from February 2012 till March 2013; patients with 15-60 years-old; 24 hours admission at ENT ward after surgery; filling out the consent form for the trial. exclusion criteria: any history of psychiatric problem such as migraine, depression and psychosis;any history of drug abuse such as morphine and acetaminophen codeine; any complications during or after surgery such as hypoxia, hypercarbia and heart attack and arrest ; any complications after surgery such as infection, fever, bleeding from the site of surgery and inflammation symptoms; lack of patients' compliance during the trial; patients' will to leave the trial.

Age

From **15 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **120**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shiraz University of Medical Sciences

Street address

Shiraz University of Medical Sciences, Zand St

City

Shiraz

Postal code

Approval date

2012-01-21, 1390/11/01

Ethics committee reference number

CT-P-92-3289

Health conditions studied

1

Description of health condition studied

pain management in septorhinoplasty

ICD-10 code

R52.0

ICD-10 code description

Acute Pain

Primary outcomes

1

Description

pain

Timepoint

every 2 hour during the first 24 hours after surgey

Method of measurement

Asking the patient: based on the scale of 0-10 that was told to the patient before surgery

2

Description

the prescribed morphine within 24 hours after surgery

Timepoint

every 2 hour during the first 24 hours after surgey

Method of measurement

scale (Weighing the patient)

3

Description

nause and vomitting after surgery

Timepoint

every 2 hour during the first 24 hours after surgey

Method of measurement

Asking the patient: Presence or Absence

4

Description

apnea

Timepoint

every 2 hour during the first 24 hours after surgey

Method of measurement

Examining the patient: Presence or Absence

Secondary outcomes

empty

Intervention groups

1

Description

group 1: patients who receive 1 gr of paracetamol IV in 30 minutes, 2 hours before induction of anesthesia.

Category

Treatment - Drugs

2

Description

group2: patients who receive 1 gr of paracetamol IV in 30 minutes after surgery and in recovery.

Category

Treatment - Drugs

3

Description

group3: patients who receive 3 mg morphine IV in 1 min, after surgery and in recovery

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Khalili Hospital

Full name of responsible person

Shahryar Omidvari

Street address

Khalili Hospital, Khalili St

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Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Masom Masompour

Street address

Shiraz University of Medical Sciences, Zand St

City

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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

Shahryar Omidvari

Position

Anesthesiology Resident

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Shojaolhagh Taregh

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Anesthsiolgist

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Person responsible for updating data

Contact

Name of organization / entity

Shiraz University of Medical Sciences

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Position

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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