

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

29 May 2026

### Effects of Gabapentin on postoperative pain relife and opioid consumption after septal deviation surgery

#### Protocol summary

##### Summary

Gabapentin is an anticonvulsant drug that is increasingly used to control postoperative pain and is effective in empirical studies. The purpose of this study was to investigate the effect of gabapentin reduces postoperative pain and opioid consumption.this control trial was conducted on 62 patients, aged18-50 years with ASA class I&2 undergoing septal deviation surgery..patients were divided into treatment (n=31, 800mg oral Gabapentin) and control (n=31, Placebo) groups. Pain score at the time of 1, 4, 8, 12, 16, 20 and 24 h after surgery and Pethidine consumption in 24 hours are considered as primary outcomes and side effects such as nausea, vomiting, respiratory depression, dizziness, peripheral edema, diarrhea, headache and itching have been determined as secondary outcomes

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014051817742N1**

Registration date: **2014-07-16, 1393/04/25**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2014-07-16, 1393/04/25

##### Registrant information

###### Name

Fatemeh Javaherforoosh Zadeh

###### Name of organization / entity

Ahvaz Joundishapoor University Of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 61 1391 9315

###### Email address

javaherforosh@sums.ac.ir

###### Recruitment status

**Recruitment complete**

###### Funding source

Research Deputy Ahvaz Joundishapoor University of Medical Sciences

###### Expected recruitment start date

2014-03-20, 1392/12/29

###### Expected recruitment end date

2015-03-20, 1393/12/29

###### Actual recruitment start date

empty

###### Actual recruitment end date

empty

###### Trial completion date

empty

###### Scientific title

Effects of Gabapentin on postoperative pain relife and opioid consumption after septal deviation surgery

###### Public title

Gabapentin effect on postoperative pain

###### Purpose

Prevention

###### Inclusion/Exclusion criteria

Inclusion criteria: ASA physical status class I, 2 who were scheduled nasal septum deviation surgery Ecriteria criteria: allergy to gabapentin; epilepsy; previous treatment with gabapentin; chronic pain syndrome; history of cardiovascular; respiratory, and renal or hepatic disease; psychiatric disorders; substance abuse

###### Age

From **18 years** old to **50 years** old

###### Gender

Both

###### Phase

N/A

### Groups that have been masked

No information

### Sample size

Target sample size: 62

### Randomization (investigator's opinion)

Randomized

### Randomization description

### Blinding (investigator's opinion)

Double blinded

### Blinding description

### Placebo

Used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Jondishapoor University of Medical Sciences

##### Street address

Golestan street, Ahvaz

##### City

Ahvaz

##### Postal code

#### Approval date

2010-09-23, 1389/07/01

#### Ethics committee reference number

p/8/20/1280

## Health conditions studied

### 1

#### Description of health condition studied

Nasal septom pain

#### ICD-10 code

M79.6

#### ICD-10 code description

Pain in nose

## Primary outcomes

### 1

#### Description

Pain score after surgery

#### Timepoint

at 1,4,8,12,16,20,24 hours after surgery

#### Method of measurement

VAS

## Secondary outcomes

### 1

#### Description

petedin consumption

#### Timepoint

24 hours after surgery

#### Method of measurement

observation

## Intervention groups

### 1

#### Description

Administration of 800 mg oral gabapentin one hour before surgery

#### Category

Treatment - Drugs

### 2

#### Description

Placebo one hour before surgery

#### Category

Placebo

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Imam Khomini Hospital of Ahvaz

##### Full name of responsible person

Dr. Fatemeh Javaherforoosh Zadeh

##### Street address

Imam Khomini Hospital - Ahvaz

##### City

Ahvaz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Resurch Deputy Ahvaz Jondishapoor University of Medical Sciences

##### Full name of responsible person

Dr. Nader Saki

##### Street address

Ahvaz-Resurch Center Of Ahvaz Jondishapoor university

##### City

Ahvaz

#### Grant name

#### Grant code / Reference number

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

Yes

**Title of funding source**

Resurch Deputy Ahvaz Jondishapoor 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**

Joundishapoor University Of Medical Sciences

**Full name of responsible person**

Dr. Fatemeh Javaherforoosh Zadeh

**Position**

Heart Anesthesia Fellowship

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**City**

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**Postal code****Phone**

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**Fax****Email**

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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*