

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

Evaluation of effectiveness of Gabapentin in lowering pain and Pethidine consumption in patients undergoing septal deviation surgery

Protocol summary

Summary

Our study was aimed to test the effect of Gabapentin on lowering the postoperative pain and Pethidine consumption in septal deviation surgery . In this present study, A prospective, , double- blind, randomized study along with 62 patients 18- 40 year was designed as treatment and control groups . Inclusion criteria: ASA class I ; min age18 ; max age 40; min weight 40kg ; Exclusion criteria : allergy to Gabapentin ; epilepsy ; and previous treatment with Gabapentin ; a chronic pain syndrome; a history of cardiovascular; respiratory ; renal or hepatic disease ; psychiatric disorders; substance abuse 31 treatment group received 800 miligram Gabapentin one hour before surgery and 31 control group received placebo one hour before surgery. General anesthesia was induced at both similarly. An experienced anesthesiologist intubated all the enrolled patients. They were then extubated in the operating room and transferred to the post anesthesia care unit . pain score by Visual Analogue Scale , respiratory rate , heart rate , mean arterial blood pressure at the time of 1, 4, 8, 12, 16, 20 and 24 h after anesthesia and Pethidine consumption in 24 hours were collected postoperatively. MAP and HR before anesthesia induction and 1,3,5,10,15 min after intubation were measured

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012080510509N1**

Registration date: **2012-10-17, 1391/07/26**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-10-17, 1391/07/26

Registrant information

Name

Sholeh Nesioonpour

Name of organization / entity

Ahvaz Jundishapur Medical University

Country

Iran (Islamic Republic of)

Phone

+98 61 1222 0168

Email address

nesioonpour-sh@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahvaz JundiShapur University of Medical Sciences ,
Research and Technology Center

Expected recruitment start date

2009-12-22, 1388/10/01

Expected recruitment end date

2010-12-22, 1389/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of effectiveness of Gabapentin in lowering pain and Pethidine consumption in patients undergoing septal deviation surgery

Public title

Analgesic effect of Gabapentin after septal deviation surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : ASAclass I ; min age18 ; max age 40 ; min weight 40kg; Exclusion criteria : allergy to

Gabapentin ; epilepsy ; and previous treatment with Gabapentin ; a chronic pain syndrome ; a history of cardiovascular ; respiratory ; renal or hepatic disease ; psychiatric disorders ; substance abuse

Age

From **18 years** old to **40 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

Ahvaz JundiShapur University of Medical Sciences

Street address

Shahrak Daneshgah , Golestan

City

Ahvaz

Postal code

Approval date

2009-11-14, 1388/08/23

Ethics committee reference number

8/20/1462/پ

Health conditions studied

1

Description of health condition studied

Pain

ICD-10 code

R52.0

ICD-10 code description

Acute Pain

Primary outcomes

1

Description

Pain

Timepoint

1,4,8,12,16,20,24 hour after surgery

Method of measurement

Visual Analogue Scale

Secondary outcomes

1

Description

Pethidine Consumption

Timepoint

24 hour after surgery

Method of measurement

Milligram

Intervention groups

1

Description

Treatment group received 800 milligram Gabapentin one hour before surgery

Category

Treatment - Drugs

2

Description

Control group received placebo one hour before surgery

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Dr Sholeh Nesioonpour

Street address

Azadegan avenue

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research and Technology Center, Ahvaz JundiShapur University of Medical Sciences

Full name of responsible person

Dr Mostafa Fegghi

Street address

Shahrak Daneshgah , Golestan

City

Ahvaz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research and Technology Center, Ahvaz JundiShapur 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

School of Medicine , JundiShapur University of Medical Sciences

Full name of responsible person

Dr Sholeh Nesioonpour

Position

Assistant Professor of Anesthesia

Other areas of specialty/work

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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