Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of the effect of Injection of bupivacaine in reducing nausea and vomiting after laparoscopic cholecystectomy surgery

Protocol summary

Summary

In this study the effect of bupivacaine injection in the peritoneal cavity in reducing nausea and vomiting after laparoscopic cholecystectomy surgery have been compared with normal saline. In this randomized double blind clinical trial, 50 patients were enrolled in the study. Patients were in two groups. Inclusion criteria : 20 to 60 years ; ASA class I & II . Exclusion criteria : surgery longer than 2 hour ; Simultaneous surgery ; complication during or past surgery ; motion sickness . all patients were anesthetized with sodium thiopental 5mg/kg , atracurium ./5 mg/kg , fentanyl 3mic/kg and midazolam ./03 mg/kg . After surgery in the first group,./5 cc/kg saline 0/45% and in the second group 0/5cc/kg bupivacaine 0/5% was injected in the peritoneal cavity . nausea and vomiting were recorded at 1, 2, 6 and 12 hour after surgery with psycometric scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201103156071N1**
Registration date: **2012-12-04, 1391/09/14**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2012-12-04, 1391/09/14

Registrant information

Name

Reza Akhoundzadeh

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2009-11-13, 1388/08/22

Expected recruitment end date

2010-11-13, 1389/08/22

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of Injection of bupivacaine in reducing nausea and vomiting after laparoscopic cholecystectomy surgery

Public title

Effect of local anesthetics in reducing nausea and vomiting in laparascopic cholecystectomy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : 20 to 60 years age ; ASA class I & II
Exclusion criteria : surgery longer than 2 hour ; Simultaneous surgery ; complication during or past surgery ; motion sickness

Age

From **20 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **50**

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

2010-11-13, 1389/08/22

Ethics committee reference number

ETH _ 013

Health conditions studied

1

Description of health condition studied

Nausea and Vomiting

ICD-10 code

K91.0

ICD-10 code description

Vomiting following gastrointestinal surgery

Primary outcomes

1

Description

Nausea and Voming

Timepoint

1 , 2 , 6 , 12 hour after surgery

Method of measurement

Psychometric Nausea and Vomiting Scale

Secondary outcomes

empty

Intervention groups

1

Description

In Intervention group 0/.5% bupivacaine 0/5 cc /kg was injected in peritoneal cavity at the end of surgery

Category

Treatment - Drugs

2

Description

In control group %0/45 saline 0/5 cc/kg was injected in peritoneal cavity at the end of surgery

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi Hospital

Full name of responsible person

Dr. Reza Akhoundzadeh

Street address

Felestin Ave

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Dr Mostafa Feghhi

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Ahvaz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

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

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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