

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison the analgesic effects of interpleural bupivacaine and morphine for postthoracotomy pain

Protocol summary

Summary

The purpose of this randomized, double-blind clinical trial without placebo is to compare the effect of interpleural bupivacaine and morphine on pain after thoracotomy surgery. In this study, 30 patients undergoing thoracotomy operation between 80-18 years of age who meet the study inclusion and exclusion criteria are randomly assigned in one of the two intervention groups to receive interpleural bupivacaine or morphine during the first 24 hours after surgery; and the severity of pain and exact sedation in the two groups will be compared. Major excluding criteria were the amide type local anesthetic allergy: sensitivity or contraindicated use of NSAID: depresion&other psychotic disorders.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201204226392N2**

Registration date: **2012-06-18, 1391/03/29**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-06-18, 1391/03/29

Registrant information

Name

Hamid Reza Vafaei

Name of organization / entity

Kashan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 36 1555 0026

Email address

vafae_h@kaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kashan University of Medical Sciences and Health Services

Expected recruitment start date

2011-10-23, 1390/08/01

Expected recruitment end date

2012-04-20, 1391/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the analgesic effects of interpleural bupivacaine and morphine for postthoracotomy pain

Public title

The effect of bupivacaine and morphine on pain after thoracotomy

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Patients admitted to Shahid Beheshti Kashan hospital for elective thoracotomy aged 18-80 years Excluding criteria: The amide type local anesthetic allergy: sensitivity or contraindicated use of NSAID: depresion&other psychotic disorders: alcoholism: mental retard patients: patients with coagulopathy

Age

From **18 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

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 in Medical Research of Kashan University of
Medical Sciences

Street address

Kashan University of Medical Sciences

City

kashan

Postal code**Approval date**

2012-03-07, 1390/12/17

Ethics committee reference number

29/5/1/4298/پ

Health conditions studied**1****Description of health condition studied**

pain

ICD-10 code

R07.1

ICD-10 code description

Chest pain on breathing Painful respiration

Primary outcomes**1****Description**

pain severity

Timepoint

0-6-12-24 hours after surgery

Method of measurement

FPS (face pain scale)

Secondary outcomes**1****Description**

Degree of patient sedation

Timepoint

0-6-12-24 hours after surgery

Method of measurement

SS (sedation score)

Intervention groups**1****Description**

interpleural Administration of 0.2 mg/kg morphine sulfate

Category

Treatment - Drugs

2**Description**

interpleural Administration of 1 mg/kg bupivacaine% 0.5

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Kashan Shahid Beheshti Hospital

Full name of responsible person

Dr. Hamid Reza Vafaei

Street address

Unit 404, Physicians Complex, Amryh Square, Kashan

City

Kashan

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Kashan University of Medical Sciences

Full name of responsible person

Dr. Gholamali Hamidi

Street address

Vice chancellor for research, Kashan University of
Medical Sciences, 5 km polar Ravandi Blvd

City

kashan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Kashan 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
Kashan University of Medical Sciences
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Person responsible for updating data

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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