

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

The effect of interapitonal bupivacaine on postoperative pain in laparoscopic colorectal surgery

Protocol summary

Summary

Aim: The effect of interapitonal bupivacaine on postoperative pain in laparoscopic colorectal surgery.
Design: a randomized, Double-blind, single-center, phase II clinical trial. Patients undergoing laparoscopic colorectal surgery are divided into two groups: bupivacaine and normal saline for washing the cutting sites and anastomosis. Pain score will be recorded during the first 24 hours of operation. The main inclusion criteria included patients undergoing laparoscopic colorectal surgery. Exclusion criteria included patients with a history of analgesics (narcotic or non-narcotic) 24 hours before surgery. Patients were divided into two groups bupivacaine and normal saline. The main outcome variables: Pain.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017071716151N5**

Registration date: **2017-08-24, 1396/06/02**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-08-24, 1396/06/02

Registrant information

Name

Alireza Pournajafian

Name of organization / entity

Iran University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Iran University of Medical Sciences

Expected recruitment start date

2017-09-23, 1396/07/01

Expected recruitment end date

2017-12-22, 1396/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of interapitonal bupivacaine on postoperative pain in laparoscopic colorectal surgery

Public title

Effect of interapitonal bupivacaine on postoperative pain

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: patients undergoing laparoscopic colorectal surgery. Exclusion criteria: patients with history of analgesics (narcotic or non-narcotic) 24 hours before surgery; drug or alcohol abuse or allergy to any of the drugs used in the study, chronic pain syndrome.

Age

No age limit

Gender

Both

Phase

2

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**

Ethics Committee of Iran University of Medical Sciences

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

Postal code**Approval date**

2017-04-17, 1396/01/28

Ethics committee reference number

IR.iums.rec.1395.135553

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

Colorectal Surgery

ICD-10 code

S36.5

ICD-10 code description

Injury of colon

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

Pain

Timepoint

2, 8 and 24 hours after surgery

Method of measurement

Based on a visual scale VAS

Secondary outcomes

empty

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

Intervention group: 50 cc of 0.2% bupivacaine is prescribed.

Category

Prevention

2**Description**

Control group: 50 cc normal saline is prescribed.

Category

Prevention

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

Firuzgar Hospital

Full name of responsible person

Dr. Alireza Purnajafyan

Street address**City**

Tehran

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

Vice chancellor for research, Iran University of Medical Sciences

Full name of responsible person

Dr Morteza Naserbakht

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

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

Yes

Title of funding source

Vice chancellor for research, Iran 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

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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