

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 Jul 2026

Bupivacaine local anesthetic effect on after inguinal hernia pain relief

Protocol summary

Summary

This is a double-blinded clinical trial conducted on patients who needed inguinal hernia surgery. We recruited patients over 10 and all recurrent, strangulated, sliding, or gangrene hernias were excluded from study. After Ethical committee approval, 80 patients were allocated into 2 groups using block-randomized and also informed consent were taken. Using interview, demographic data was collected. Bupivacaine 0.5 Mg / kg diluted in 5 ml normal saline injected subcutaneously in intervention group. The placebo group received only 5 cc of normal saline. Within 24 hours and 48 hours after surgery patients pain measured using visual analogue scale in both groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201101304808N3**
Registration date: **2011-04-30, 1390/02/10**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-04-30, 1390/02/10

Registrant information

Name

Mozhdeh Zarei

Name of organization / entity

Kurdistan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 87 1613 1278

Email address

mozh.zarei@muk.ac.ir

Recruitment status

Recruitment complete

Funding source

Kurdistan University of Medical Science

Expected recruitment start date

2008-07-22, 1387/05/01

Expected recruitment end date

2009-03-21, 1388/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Bupivacaine local anesthetic effect on after inguinal hernia pain relief

Public title

Local anesthesia on pain after surgery

Purpose

Prevention

Inclusion/Exclusion criteria

inclusion criteria: patients who require Inguinal hernia surgery; Age over 10 years exclusion criteria: recurrence of hernia; sliding hernia strangulation - gangrene complications

Age

From **11 years** old to **70 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **80**

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**

Kurdistan University of Medical Sciences

Street address

sanandaj Kurdistan University of Medical Sciences

City

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Postal code

66117713446

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

24/4/87 3755 ع 14پ

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

pain after inguinal hernia surgery

ICD-10 code

k40

ICD-10 code description

Inguinal hernia

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

pain after inguinal hernia surgery

Timepoint

0,24, and 48 hours later

Method of measurement

visual analogue scale

Secondary outcomes

empty

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

intervention: bupivacain 0.5 Mg / kg add to normal saline

5 ml was subcutaneous injection.

Category

Treatment - Drugs

2**Description**

control: only 5 cc of normal saline was injected.

Category

Placebo

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

Kurdistan University of Medical Sciences

Full name of responsible person

Mozhdeh Zarei

Street address

Pasdaran Blvd, Kurdistan University of Medical Sciences, Sanandaj

City

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

Kurdistan university of Medical Science

Full name of responsible person

Fardin Gharibi

Street address

Sanandaj

City

Sanandaj

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

Yes

Title of funding source

Kurdistan university of Medical Science

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

Kurdistan University of Medical Science

Full name of responsible person

Fardin Gharibi

Position

MSc

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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