

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

The study of post arthroscopic pain relief by adding morphine to intra articular bupivacain injection

Protocol summary

Summary

It was a double blind clinical trial which conducted on 40 ASA I, II patients who were candidate for knee arthroscopy in Imam Reza Hospital, Kermanshah, Iran. Patients' age range was 18-60 years. They were divided into 4 groups randomly. Patients in all groups received 20cc of Bupivacaine 0.5% and then 0, 5, 10 and 15 mg of morphine were injected in groups 1, 2, 3 and 4 respectively (group 1 was the control group). Visual Analogue Scale (VAS) was used to identify pain severity within 1, 2, 4, 6 & 24 hours after the operation. Pain relief duration & patients' nausea were evaluated for 24 hours.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902172946N3**

Registration date: **2010-06-28, 1389/04/07**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-06-28, 1389/04/07

Registrant information

Name

Mitra Yari

Name of organization / entity

Kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 1427 6310

Email address

myari@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medica Sciences

Expected recruitment start date

2009-04-15, 1388/01/26

Expected recruitment end date

2010-04-15, 1389/01/26

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The study of post arthroscopic pain relief by adding morphine to intra articular bupivacain injection

Public title

Effect of adding morphine to intra articular bupivacain on pain relief after arthroscopy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with ASA I, II who were candidate for arthroscopy with age range of 18-60 years. Exclusion criteria: addict patients, pregnant women, patients with history of heart disease and hypertension.

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **40**

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

Ethic committee of Kermanshah University of Medical Sciences

Street address

#2 building of medical university, Shahid beheshti boulevard

City

Kermanshah

Postal code

6714415333

Approval date

2009-04-10, 1388/01/21

Ethics committee reference number

20/J/13130/43

Health conditions studied

1

Description of health condition studied

local anesthesia in arthroscopy

ICD-10 code

Y48.3

ICD-10 code description

Local anaesthetics

Primary outcomes

1

Description

patient's analgesia

Timepoint

within 1, 2, 4, 6 & 24 hours after the operation

Method of measurement

visual analogue scale (VAS)

Secondary outcomes

1

Description

Patients' Nausea

Timepoint

within 1, 2, 4, 6 & 24 hours after the operation

Method of measurement

visual analogue scale (VAS)

Intervention groups

1

Description

injecting 20cc, Bupivacaine 0.5% (5mg/ml) at the end of operation

Category

Prevention

2

Description

injecting 5cc morphine sulfate 10mg/ml

Category

Prevention

3

Description

injecting 10cc morphine sulfate 10mg/ml

Category

Prevention

4

Description

injecting 15 cc morphine sulfate 10mg/ml

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Dr. Mitra Yari

Street address

Parastar boulevard, Sorkhalijeh

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

Imam Reza Hospital, Parastar boulevard, Sorkhalijeh

City

Kermanshah

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kermanshah 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

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Mitra Yari

Position

assistant professor and anesthesiologist

Other areas of specialty/work

Street address

Imam Reza Hospital, parastar boulevard, sorkhalijeh

City

Kermanshah

Postal code

Phone

+98 83 1433 4157

Fax

Email

myari@kums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Mitra Yari

Position

Assistant professor and anesthesiologist

Other areas of specialty/work

Street address

Imam Reza Hospital, parastar boulevard, sorkhalijeh, kermanshah

City

Kermanshah

Postal code

6714415333

Phone

+98 83 1433 4157

Fax

Email

myari@kums.ac.ir

Web page address

Person responsible for updating data

Contact

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