

# 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**

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**Position**

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**Other areas of specialty/work**

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**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*