

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

The study of effect of metocarbamol on postoperative pain after cholecystectomy

Protocol summary

Summary

The purpose of this study was to determine the effect of methocarbamol on the pain of post- cholecystectomy surgery. In a randomized, double-blind clinical trial, 60 ASA class 1-2 patients between 30 and 50 years old with weight lower than 100kg, undergoing general anesthesia for cholecystectomy elective surgery in Besat Hospital were recruited. Both groups didn't receive any premedication. Under similar general anesthesia, the patients in one group received 500mg Methocarbamol, IV slowly, and the other group received 5cc placebo IV slowly, after the operation. The pain intensity were compared between the groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201101124505N2**

Registration date: **2011-02-07, 1389/11/18**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2011-02-07, 1389/11/18

Registrant information

Name

Rasool Kavyannejad

Name of organization / entity

Hamedan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 5322 3828

Email address

rasol.kavian@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Kordestan University of Medical Sciences

Expected recruitment start date

2011-03-21, 1390/01/01

Expected recruitment end date

2011-06-12, 1390/03/22

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The study of effect of metocarbamol on postoperative pain after cholecystectomy

Public title

Effect of metocarbamol on pain

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: ASA class 1-2, age between 30-50 years old, weight lower than 100kg, undergoing general anesthesia for cholecystectomy elective surgery
Exclusion criteria: presence of systemic illness such as lung, kidney, or heart diseases, smoking, presence of side effects to the study drug, incidence of side effect such as lung and heart reactions, consumption of other drugs affecting pain

Age

From **30 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

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

Kordestan University of Medical Sciences

Street address

Pasdaran Street, Sanandaj

City

Sanandaj

Postal code

Approval date

2007-12-26, 1386/10/05

Ethics committee reference number

4644

Health conditions studied

1

Description of health condition studied

Pain

ICD-10 code

R52.0

ICD-10 code description

Acute pain

Primary outcomes

1

Description

Pain

Timepoint

1, 3, 6, 12 hours

Method of measurement

VAS

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Metocarbamol 500mg, IV slowly, diluted in 5 cc normal saline

Category

Treatment - Drugs

2

Description

Control group: normal saline, 10 cc, IV slowly

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Besat hospital

Full name of responsible person

Rasol Kavyannejad

Street address

Eghbal square

City

Sanandaj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kordestan University of Medical Sciences and Health Services

Full name of responsible person

Kordestan University of Medical Sciences and Health Services

Street address

Pasdaran street

City

Sanandaj

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kordestan University of Medical Sciences and Health Services

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
Hamedan University of Medical Sciences and Health Services
Full name of responsible person
Rasol Kavyannejad
Position
Msc student in critical care nursing
Other areas of specialty/work
Street address
Mahdie street
City
Hamedan
Postal code
Phone
+98 918 969 9149
Fax
Email
rasol.kavian@umsha.ac.ir
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Hamedan University of Medical Sciences and Health Services
Full name of responsible person
Rasol kavyannejad
Position
Msc student in critical care nursing
Other areas of specialty/work
Street address
Mahdia street
City
Hamedan
Postal code

Phone
+98 918 969 9149
Fax
Email
rasol.kavian@umsha.ac.ir
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Rasol Kavyannejad
Position
Msc student in critical care nursing
Other areas of specialty/work
Street address
Mahdia street
City
Hamedan
Postal code
Phone
Fax
rasol.kavian@umsha.ac.ir
Email
Web page address

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