

# 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**  
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## Person responsible for scientific inquiries

### Contact

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## Person responsible for updating data

### 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*