

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparison of suppository Morphine with suppository Diclofenac on postoperative pain laparoscopic cholecystectomy

Protocol summary

Summary

The aim of this study is to comparison of suppository morphine with suppository diclofenac in the treatment of postoperative pain laparoscopic cholecystectomy. This study is an intervention and double-blind in patients who under laparoscopic cholecystectomy will be done. After obtaining written informed consent from eligible patients and getting an approval from Ethics committee of Ahvaz Jundishapur University of Medical Sciences, 54 patients will be dividing in 2 groups under laparoscopic cholecystectomy. Criteria for inclusion of study: ASA class I & II; years old 50-20. Criteria for exclusion of study: History of hypnotics or narcotics throughout 24 hours before the surgery; Contraindication of morphine or diclofenac; Renal or hepatic failure; Peptic ulcer disease or rheumatoid arthritis. Group "one" and "two" will receive 100 mg suppository diclofenac and 10 mg suppository morphine after end of surgery, respectively. Postoperative Pain and need for analgesic will measure at 1, 2, 3, 4, 6, and 8 hours after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013022012540N1**

Registration date: **2013-11-27, 1392/09/06**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2013-11-27, 1392/09/06

Registrant information

Name

Fereshte Amiri

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 61 1222 0168

Email address

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Ahvaz University of Medical Sciences

Expected recruitment start date

2014-01-05, 1392/10/15

Expected recruitment end date

2014-03-06, 1392/12/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of suppository Morphine with suppository Diclofenac on postoperative pain laparoscopic cholecystectomy

Public title

Comparison of suppository Morphine with suppository Diclofenac on postoperative pain laparoscopic cholecystectomy

Purpose

Treatment

Inclusion/Exclusion criteria

Criteria for inclusion of study: ASA class I & II; years old 50-20. Criteria for exclusion of study: History of hypnotics or narcotics throughout 24 hours before the surgery; Contraindication of morphine or diclofenac; Renal or hepatic failure; Peptic ulcer disease or

rheumatoid arthritis.

Age

From **20 years** old to **50 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **88**

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

Ethics Committee of Ahvaz Jundishapur University of
Medical Sciences

Street address

No.12, Chamber Sadaf, Golestan Blvd

City

Ahvaz

Postal code

6135733777

Approval date

2012-12-01, 1391/09/11

Ethics committee reference number

Eth-623

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, 2, 3, 4, 6 and 8 hours after surgery

Method of measurement

Visual Analogue Scale

Secondary outcomes

1

Description

Opioid Consumption

Timepoint

1, 2, 3, 4, 6 and 8 hours after surgery

Method of measurement

Milligrams

Intervention groups

1

Description

Diclofenac: - Dose: 100 mg - Number of using: Once
Factory name: Behvazan Manufacturing Country's Name:
Iran Location prescribed: Suppository Administration
time: after end of surgery

Category

Treatment - Drugs

2

Description

Morphine: - Dose: 10 mg - Number of using: Once
Factory name: Abureihan Manufacturing Country's Name:
Iran Location prescribed: Suppository Administration
time: after end of surgery

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Educational Hospital

Full name of responsible person

Dr Amir Salari

Street address

No. 307, Kokab Street, Masters Alley, Golestan Blvd.

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Ahvaz Jundishapur
University of Medical Sciences

Full name of responsible person

Dr. Mostafa Feghhi

Street address

No. 21, Ave. 1, Golestan Blvd.

City

Ahvaz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Ahvaz Jundishapur
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

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Fereshte Amiri

Position

Resident of Anesthesia

Other areas of specialty/work

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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