

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Study the effect of oral acetazolamide on the postoperative pain after laparoscopy cholecystectomy

Protocol summary

Summary

We studied the effect of oral acetazolamide in reducing post operation pain after laparoscopy cholecystectomy. This study was performed in 88 patients with cholelithiasis without any complication. The patients were randomly allocated into two groups. The two groups received 250mg oral Acetazolamide or placebo (2CC normal saline), every 8 hours, 24 hours before surgery. Abdominal and shoulder pain were measured by Mc Gill pain score before and after the surgery, during discharge from recovery and 24 hours after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902252428N5**
Registration date: **2010-06-08, 1389/03/18**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-06-08, 1389/03/18

Registrant information

Name

Maryam Rasty

Name of organization / entity

Shahrekord University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 38 1334 9509

Email address

rasti@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahrekord University of Medical Sciences

Expected recruitment start date

2007-03-21, 1386/01/01

Expected recruitment end date

2009-03-19, 1387/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study the effect of oral acetazolamide on the postoperative pain after laparoscopy cholecystectomy

Public title

Effect of oral acetazolamide on the postoperative pain after laparoscopy cholecystectomy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients who are candidate for cholecystectomy by laparoscopic surgery. Exclusion criteria: Cholecystectomy with complications.

Age

No age limit

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
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1
Ethics committee
Name of ethics committee
Shahrekord University of Medical Sciences
Street address
Aiatollahe Kashahni street
City
Shahrekord
Postal code
Approval date
2007-09-27, 1386/07/05
Ethics committee reference number
86-7-5

Health conditions studied

1
Description of health condition studied
cholecystitis without complication
ICD-10 code
K91.5
ICD-10 code description
Postcholecystectomy syndrome

Primary outcomes

1
Description
pain
Timepoint
before and after the surgery, during discharge from recovery and 24 hours after surgery
Method of measurement
Mc Gill pain Questionnaire

Secondary outcomes

1
Description
Narcotic drugs consumption as sedation
Timepoint
During hospitalization
Method of measurement

observation

Intervention groups

1
Description
Acetazolamide (oral), 250 mg, TDS, from 24 hours before surgery
Category
Treatment - Drugs

2
Description
2cc normal saline, TDS, from 24 hours before surgery
Category
Placebo

Recruitment centers

1
Recruitment center
Name of recruitment center
Aiatollah Kashani hospital
Full name of responsible person
Street address
City
Shahrekord

Sponsors / Funding sources

1
Sponsor
Name of organization / entity
Shahrekord university of medical sciences
Full name of responsible person
Dr. Hossein Yosefi
Street address
Aiatollah Kashahni street
City
Shahrekord
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shahrekord 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

Shahrekord University Of Medical Sciences

Full name of responsible person

Dr. Mohammad Moazeni Bistgani

Position

Specialist in general surgery

Other areas of specialty/work**Street address**

Ayatollah Kashani Hospital

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Person responsible for updating data

Contact

Name of organization / entity**Full name of responsible person**

Dr. Mohammad Moazeni Bistgani

Position**Other areas of specialty/work****Street address****City****Postal code****Phone****Fax****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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shahrekord University Of Medical Sciences

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