

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Jun 2026

Effects of Dexamethasone on nausea and vomiting after Cholecystectomy

Protocol summary

Summary

The purpose of this randomized placebo-controlled trial study was to evaluate the efficacy of preoperative Dexamethasone on postoperative nausea and vomiting after LC. 90 patients who were candidates of laparoscopic cholecystectomy (LC) were randomly assigned to receive Dexamethasone, 8 mg IV, or normal saline, 2cc IV, at 90 minutes before induction of anesthesia. We recorded nausea and vomiting as primary outcome every 4 hours for 16 hours.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902253931N1**

Registration date: **2010-06-14, 1389/03/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-06-14, 1389/03/24

Registrant information

Name

Shahla Shahrjerdi

Name of organization / entity

Shahrekord University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 38 1222 4591

Email address

shahrjerdi@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahrekord University of Medical Sciences

Expected recruitment start date

2008-03-20, 1387/01/01

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

Effects of Dexamethasone on nausea and vomiting after Cholecystectomy

Public title

Effects of Dexamethasone on nausea and vomiting after Cholecystectomy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Candidates of laparoscopic cholecystectomy (LC), Exclusion criteria: Presence of diabetes, contradiction for consumption of Dexamethasone, steroid drugs used 48 hours prior to the surgery

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **90**

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

Ayatollah Kashani St.

City

Shahrekord

Postal code

Approval date

2010-02-20, 1388/12/01

Ethics committee reference number

1-12-88

Health conditions studied

1

Description of health condition studied

Laparoscopic cholecystectomy

ICD-10 code

K80.2

ICD-10 code description

Cholecystolithiasis

Primary outcomes

1

Description

Nausea and vomiting

Timepoint

Every 4 hours till 16 hours after surgery

Method of measurement

observed and Questionnaire

Secondary outcomes

1

Description

duration of hospital stay

Timepoint

During hospitalization

Method of measurement

observed

2

Description

Medical condition

Timepoint

During the hospital stay

Method of measurement

observation

Intervention groups

1

Description

dexamethasone 8 mg IV injection 90 minutes before surgery

Category

Rehabilitation

2

Description

2cc normal saline, IV injection, 90 minutes before surgery

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Ayatollah Kashani Educational Therapeutic Center

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. Mahmood Mobasheri

Street address

Research Assistant

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 Bstgani
Position
General Surgeon
Other areas of specialty/work
Street address
Ayatollah Kashani educational Therapeutic center
City
Shahrekord
Postal code
Phone
+98 38 1222 4591
Fax
Email
dr_m_moazeni@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Shahrekord University of Medical Sciences
Full name of responsible person
Dr. Mohammad Moazeni Bistgani
Position
General Surgeon
Other areas of specialty/work
Street address

Ayatollah Kashani Educational Therapeutic Center
City
Shahrekord
Postal code
Phone
+98 38 1222 4591
Fax
Email
dr_m_moazeni@yahoo.com
Web page address

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
dr_m_moazeni@yahoo.com
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