

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 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, contraindication 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 Sceinces
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 Sceinces
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
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Person responsible for updating data

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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