# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

08 Nov 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, contradication 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**
Laparascopic 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

**Other areas of specialty/work**

**Street address**

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## Person responsible for scientific inquiries

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## Person responsible for updating data

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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*