Clinical Trial Protocol
Iranian Registry of Clinical Trials

10 Jun 2026

A comparative study of Dexamethasone and Metoclopramide in prevention of post nausea and vomiting after hernia inguinal surgery

Protocol summary

Summary
The purpose of this study was to compare Dexamethasone and Metoclopramide in prevention of post- inguinal hernia surgery nausea and vomiting. In a randomized, double-blind clinical trial, 60 ASA class I-II patients, aged 20-40 years old and weight lower than 100kg, undergoing general anesthesia for inguinal hernia Besat hospital were recruited and assigned to receive 10mg Metoclopramide, IV or 8mg Dexamethasone, IV, 10 min before extubation and 6 hours after operation. Nausea and vomiting were measured for 1, 3, and 6 hours after the end of the operation.

General information

Acronym
IRCT registration information
IRCT registration number: **IRCT201008254505N1**
Registration date: **2010-09-11, 1389/06/20**
Registration timing: **prospective**

Last update:
Update count: **0**
Registration date
2010-09-11, 1389/06/20

Registrant information
Name
Rasool Kavyannejad
Name of organization / entity
Hamedan University of Medical Sciences
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Recruitment status
Recruitment complete
Funding source
Kordistan Univercity of Medical Sciences

Expected recruitment start date
2010-09-16, 1389/06/25
Expected recruitment end date
2011-09-14, 1390/06/23
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
A comparative study of Dexamethasone and Metoclopramide in prevention of post nausea and vomiting after hernia inguinal surgery

Public title
Comparison of Dexamethasone and Methoclopramide on nausea and vomiting
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria: inguinal hernia elective surgery, weight<100kg, age 20-40 years, no severe or chronic illness or (Asthma, Blood pressure, Lung, Renal or liver diseases), having Class ASA I-II Exclusion criteria: hypersensitivity to investigation drugs, No cooperation, Occurrence of heart and lung disorders, Smoking, opium consumption, any drug hypersensitivity
Age
From **20 years** old to **40 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information

Sample size
Target sample size: **60**
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
Kordistan University of Medical Sciences
Street address
Pasdaran Street, Sanandaj, Kordistan
City
Sanandaj
Postal code
Approval date
2007-07-28, 1386/05/06
Ethics committee reference number
2085

Health conditions studied

1

Description of health condition studied
Nausea and vomiting
ICD-10 code
R11
ICD-10 code description

Primary outcomes

1

Description
Nausea
Timepoint
1, 3, 6 hours after operation
Method of measurement
Asking the patient and observation

2

Description
Vomiting
Timepoint
1, 3, 6 after operation
Method of measurement
observation and checklist

Secondary outcomes

empty

Intervention groups

1

Description
10mg Metoclopramide IV before extubation and 6 hours after operation
Category
Treatment - Drugs

2

Description
8mg Dexamethasone (IV) before extubation and 6 hours after operation
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Besat Hospital
Full name of responsible person
Street address
City
Sanandaj

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kordistan University of Medical Sciences
Full name of responsible person
Rasool Kavyannejad
Street address
Pasdaran Street
City
Sanandaj
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Kordistan 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

Hamedan University of Medical Sciences

Full name of responsible person

Rasool Kavyannejad

Position

MSc Student

Other areas of specialty/work

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Person responsible for updating data

Contact

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