Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparing the effect of Dexamethasone and Doxapram in Prevention of post-anesthetic shivering, in 2008

Protocol summary

Summary

This study aim was to evaluate the effect of isosorbide dinitrate in the prevention of severe preeclampsia in patients with mild preeclampsia. Twenty seven women with single tone pregnancy with gestational age of 36-26 weeks and the diagnosis of mild preeclampsia were enrolled in the study and were assigned into intervention or control groups. Intervention group received 10 mg of isosorbide dinitrate oral tablet three times a day and the control group received no treatment. Delay in symptoms of severe preeclampsia and gestation duration in both groups were measured and compared between groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138706041083N1**
Registration date: **2007-07-01, 1386/04/10**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2007-07-01, 1386/04/10

Registrant information

Name

Majid Pourshaikhian

Name of organization / entity

Guilan University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Guilan University Medical Sciences and Health Services

Expected recruitment start date

2007-07-01, 1386/04/10

Expected recruitment end date

2008-07-10, 1387/04/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of Dexamethasone and Doxapram in Prevention of post-anesthetic shivering, in 2008

Public title

Prevention of post-anesthetic shivering with drugs

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: age 25-70 years old, ASA Class I & II, under elective abdominal & chest surgery, under General anesthesia, Exclusion criteria: presence of co-existing peptic ulcer, convulsive disease, immunodeficiency, fever (T>38), muscular disease, asthma, hypersensitivity to dexametasone or doxapram, Low temperature of OR & PACU (<20), patient’s dissatisfaction

Age

From **25 years** old to **70 years** old

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

Guilan University of Medical Sciences and Health Services

Street address

Vice-chancellor for Research, Guilan University of Medical Sciences and Health Services, Shahid Siadatai Ave., Namjoo street, Rasht

City

Rasht

Postal code

41469-68164

Approval date

2009-02-03, 1387/11/15

Ethics committee reference number

5237 /132/3/پ

Health conditions studied

1

Description of health condition studied

General anesthesia

ICD-10 code

T88.8

ICD-10 code description

Complications of surgical and medical care, not elsewhere classified

Primary outcomes

1

Description

Shivering

Timepoint

30 minutes after intervention

Method of measurement

observation of shivering of muscles of trunk & pectoralis

Secondary outcomes

1

Description

nausea & vomiting

Timepoint

30-60 minutes after intervention

Method of measurement

direct observation

2

Description

Respiratory stimulus

Timepoint

30-60 minutes after intervention

Method of measurement

Direct observation

3

Description

Restlessness

Timepoint

30-60 minutes after intervention

Method of measurement

Direct observation

4

Description

cough

Timepoint

30-60 minutes after intervention

Method of measurement

direct observation

Intervention groups

1

Description

Amp Dexamethasone 0.1 mg/kg, IV, 10 minutes before extubation, stat.

Category

Treatment - Drugs

2

Description

AMP Doxapram 0.75 mg/kg, IV, 10 minutes before extubation, stat dose

Category

Treatment - Drugs

3

Description

3 ml of distilled water, IV, 10 minutes before extubation, stat.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center
Razi eductional & theraputic center

Full name of responsible person
Majd Pourshaikhian

Street address
Razi eductional & theraputic center, Sardare jangal Ave,

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Guilan university of medical sciences and Health Services

Full name of responsible person
Dr Abdorrasool Sobhani

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Guilan university of medical sciences and Health Services

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
Guilan University of Medical Sciences and Health Services

Full name of responsible person
Majid Pourshaikhian

Position
MSc of anesthesia/ Faculty member of group of anesthesia ofGuilan University of Medical Sciences and

Other areas of specialty/work

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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