Clinical Trial Protocol
Iranian Registry of Clinical Trials

29 Jun 2026

Intraperitoneal dexamethasone as a new method for reliving postoperative shoulder pain after gynecologic laparoscopy

Protocol summary

Summary

In this double-blind randomized clinical trial study, we try to show the efficacy of Intraperitoneal dexamethasone on reliving shoulder pain after gynecologic laparoscopy. Our study population will be 18-70 years old women who has been referred to Arash Hospital with an gynechology indication for laparoscopy. Patients with diabetes, previous abdominal surgery and reaction to dexamethasone will be excluded. We randomly divide 63 patients into two groups: first group including 31 patients as dexamethasone group and second group including 32 patients as control (placebo) group. First group receive 16 mg dexamethasone intraperitoneally at the end of procedure whereas control group will receive 16 mg normal saline as placebo intraperitoneally, at the end of procedure. Visual analogue scale (VAS) will be used for clinical evaluation of pain severity during 24 hours after laparoscopy . A physician, who is not aware from treatment or placebo will evaluate the patients.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105306640N1**
Registration date: **2011-09-01, 1390/06/10**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-09-01, 1390/06/10

Registrant information

Name

Zahra Asgari

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences, Arash Hospital

Expected recruitment start date

2009-01-01, 1387/10/12

Expected recruitment end date

2010-12-29, 1389/10/08

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Intraperitoneal dexamethasone as a new method for reliving postoperative shoulder pain after gynecologic laparoscopy

Public title

Intraperitoneal dexamethasone as a new method for reliving postoperative shoulder pain after gynecologic laparoscopy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: female; 18 -70 years old; gynecologic indication for laparoscopy. Exclusion criteria: previous surgery on their abdomen; diabetes mellitus; drug reaction to dexamethasone; previous history of treatment with steroids.

Age

From **18 years** old to **70 years** old

Gender
Female

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **63**
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
Ethics committee of Tehran University of Medical Sciences
Street address
Tehran University of Medical Science, Enghelab square
City
Tehran
Postal code
Approval date
2011-07-23, 1390/05/01
Ethics committee reference number
90/d/130/593

Health conditions studied

1

Description of health condition studied
shoulder pain after gynecologic laparoscopy
ICD-10 code
R52.9
ICD-10 code description
Pain, unspecified

Primary outcomes

1

Description
pain
Timepoint
4,8,12,24 hours after procedure
Method of measurement
Visual Analog Scale (VAS) scale

Secondary outcomes

empty

Intervention groups

1

Description
intervention: we will inject 16 cc dexamethasone intraperitoneally in case group at the end of laparascopy.
Category
Treatment - Drugs

2

Description
control: control group will received 16 mg normal saline as placebo intraperitoneally, at the end of procedure
Category
Placebo

Recruitment centers

1

Recruitment center
Name of recruitment center
Arash Hospital
Full name of responsible person
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tehran University of Medical Sciences, Arash hospital
Full name of responsible person
Dr Asgari
Street address
Rashid street, Resalat highway
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tehran University of Medical Sciences, Arash hospital
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
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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