Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Comparison of pre-operative Dexamethasone and Petidine on shivering following general anesthesia in minor urologic surgery

Protocol summary

Summary

(1) Objective: Comparison of pre-operative Dexamethasone and Petidine on shivering following general anesthesia in minor urologic surgeries (2) Design: Interventional, Randomized, Double blind, Without placebo, Unicentral (3) Population and Sampling: 120 patient 25-50 years old (60 in the Dexamethasone group and 60 in the Pethidine group) who were candidate for urologic outpatient surgery (4)Inclusion criteria: Patients with physical status ASA I or II; Undergoing outpatient urologic procedures (Hydrocele, Hernia, Varicoscele); By general anesthesia Exclusion criteria: Patients with history of Hypertension; Diabetes; Gastric ulcer; Massive transfusion; Prolong treatment with corticosteroids (5) Intervention: After premedication with intravenous Midazolam 0.15 milligrams per kilogram and Lidocain 1 milligram per kilogram and Fentanyl 1 microgram per kilogram and before induction of anesthesia; in group D, 8 milligrams intravenous Dexamethasone and in group P, 25 milligrams intravenous Pethidin were injected (6) Main outcome: Post-operative shivering were evaluated using the stated scoring after one hour post-operative.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201308284005N8**
Registration date: **2014-11-15, 1393/08/24**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-11-15, 1393/08/24

Registrant information

Name
Khosro Kolahdouzan
Name of organization / entity
Faculty of Paramedical Tabriz University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 41 1334 4777
Email address
kolahdozank@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2014-03-21, 1393/01/01

Expected recruitment end date

2015-03-20, 1393/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of pre-operative Dexamethasone and Petidine on shivering following general anesthesia in minor urologic surgery

Public title

Comparison of pre-operative Dexamethasone and Petidine on shivering

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Patients with physical status ASA I or II; undergoing outpatient urologic procedures (Varicoscele, Hydrocele, Hernia); aged 25-50 years Exclusion criteria:

Patients with history of Hypertension; Diabetes; Gastric ulcer; Massive transfusion; Prolong treatment with corticosteroids

Age
From **25 years** old to **50 years** old

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **120**

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
Tabriz University of Medical Sciences

Street address
Emam Reza Hospital, Golgasht Street, Azadi Avenue

City
Tabriz

Postal code

Approval date
2013-12-18, 1392/09/27

Ethics committee reference number
92156

Health conditions studied

1

Description of health condition studied
Postoperative shivering

ICD-10 code
T88.5

ICD-10 code description
Other complication of anesthesia

Primary outcomes

1

Description
Shivering

Timepoint
Every 10 minute for 1 hour

Method of measurement
Standard questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
After premedication with intravenous Midazolam 0.15mg/kg and Lidocain 1 mg/kg and Fentanyl 1 µg/kg and before induction of anesthesia, in first group(D), intravenous Dexamethasone 8mg injected and shivering was evaluated after one hour post-operative.

Category
Treatment - Drugs

2

Description
After premedication with intravenous Midazolam 0.15mg/kg and Lidocain 1 mg/kg and Fentanyl 1 µg/kg and before induction of anesthesia, in second group(P), pethidin 8 mg IV injected and shivering was evaluated after one hour post-operative

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Emam Reza Hospital

Full name of responsible person
Dr. Mahmoud Eidy

Street address
Emam Reza Hospital, Golgasht Street, Azadi Avenue

City
Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tabriz University of Medical Sciences

Full name of responsible person
Dr. Soleimanpoor

Street address
Research Assistant

City
Tabriz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tabriz 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
Tabriz University of Medical Sciences
Full name of responsible person
Dr. Mahmoud Eidy
Position
Professor of Anesthesiology
Other areas of specialty/work
Street address
Emam Reza Hospital
City
Tabriz
Postal code
Phone
+98 41 3334 1994
Fax
Email
eidym@tbzmed.ac.ir
Web page address
www.tbzmed.ac.ir

Person responsible for scientific inquiries

Contact
Name of organization / entity
Tabriz University of Medical Sciences
Full name of responsible person
Dr. Mahmoud Eidy
Position
Associate Professor of Anesthesiology
Other areas of specialty/work
Street address
Emam Reza Hospital
City
Tabriz
Postal code
Phone
+98 41 3334 1994
Fax
Email
eidym@tbzmed.ac.ir
Web page address
www.tbzmed.ac.ir

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