

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 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 Kolahe Douzan

##### 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**

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## Person responsible for scientific inquiries

### Contact

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Associate Professor of Anesthesiology

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**Web page address**  
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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*