

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### Comparing the analgesic effects of intravenous acetaminophen with intravenous meperidine after outpatient urologic procedures

#### Protocol summary

##### Summary

(1) Objectives: The aim of this study is to compare the analgesic effects of intravenous acetaminophen with intravenous meperidine after outpatient urologic procedures. (2) Design: Interventional, randomized, double blind, without placebo, uni central (3) Setting and conduct: 100 patients 18-69 years old (50 in the meperidine group and 50 in the acetaminophen group) who were candidate for urology outpatient surgery were enrolled in a randomized double blind prospective study. (4) Participants: Inclusion criteria were patients with physical status ASA I or II; undergoing outpatient urologic procedures (hydrocele, hernia, varicocele); by general anesthesia. The exclusion criteria were patients with history of digestive disorders (nausea, vomiting, gastric ulcer); dizziness; liver disorders. (5) Intervention: In Group I, before the reverse of general anesthesia, intravenous acetaminophen 1 g was infused within 15 minutes and in Group II, meperidine 0.5 mg per kg was injected bolus intravenously. (6) Main outcome measures: Post operation pain were evaluated using the visual analog scale (VAS) up to 6 hours after surgery.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201206094005N5**  
Registration date: **2013-06-08, 1392/03/18**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2013-06-08, 1392/03/18

##### 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

Vice chancellor for research, Tabriz University of Medical Sciences

##### Expected recruitment start date

2012-11-21, 1391/09/01

##### Expected recruitment end date

2013-11-21, 1392/08/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparing the analgesic effects of intravenous acetaminophen with intravenous meperidine after outpatient urologic procedures

##### Public title

Comparing the analgesic effects of intravenous acetaminophen with intravenous meperidine after outpatient urologic procedures

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: patients with physical status ASA I or II; undergoing outpatient urologic procedures (hydrocele,

hernia, varicocele); by general anesthesia Exclusion criteria: patients with history of digestive disorders (nausea, vomiting, gastric ulcer); dizziness; liver disorders

#### Age

From **18 years** old to **69 years** old

#### Gender

Both

#### Phase

2-3

#### Groups that have been masked

*No information*

#### Sample size

Target sample size: **100**

#### 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

Ethics committee of Tabriz University of Medical Sciences

##### Street address

Tabriz University of Medical Sciences, Golgasht street, Azadi avenue

##### City

Tabriz

##### Postal code

##### Approval date

2013-05-04, 1392/02/14

##### Ethics committee reference number

9211

## Health conditions studied

### 1

#### Description of health condition studied

Postoperative pain

#### ICD-10 code

T88.8

#### ICD-10 code description

Other specified complications of surgical and medical care, not elsewhere classified

## Primary outcomes

### 1

#### Description

pain

#### Timepoint

every hour for 6 hours after operation

#### Method of measurement

visual analog scale

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

At the end of operation, infusion of 1 gr intravenous acetaminophen within 15 minutes

#### Category

Treatment - Drugs

### 2

#### Description

At the end of operation, intravenous bolus injection of meperidine 0.5 mg/kg

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Tabriz Emam Reza Hospital

##### Full name of responsible person

Dr. Mahmoud Eidi

##### Street address

Tabriz Emam Reza hospital, Golgasht street, Azadi avenue

##### City

Tabriz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Vice chancellor for research, Tabriz University of Medical Sciences

##### Full name of responsible person

Dr. Seyyed Kazem Shakouri

##### Street address

Tabriz University of Medical Sciences, Golgasht street, Azadi avenue

##### City

Tabriz

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Vice chancellor for research, 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 Eidi

**Position**

Associate Professor of Anesthesiology

**Other areas of specialty/work**

**Street address**

Tabriz University of Medical Sciences, Golgasht street, Azadi street

**City**

Tabriz

**Postal code**

**Phone**

+98 41 1334 1994

**Fax**

+98 41 1334 1994

**Email**

eidy@tbzmed.ac.ir

**Web page address**

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Tabriz University of Medical Sciences

**Full name of responsible person**

Dr. Mahmoud Eidi

**Position**

Associate Professor of Anesthesiology

**Other areas of specialty/work**

**Street address**

Emam Reza Hospital, Golgasht street, Azadi avenue

**City**

Tabriz

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**Phone**

+98 41 1334 1994

**Fax**

+98 41 1334 1994

**Email**

eidy@tbzmed.ac.ir

**Web page address**

**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*