

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Clinical trial comparison of sedation and hemodynamic effects between propofol and etomidate in urological patients

Protocol summary

Summary

Objectives: In this study the effects and complications of propofol and etomidate in patients with urological surgeries will be investigated. Design: Randomized single blind Setting and conduct: 177 patients within 50 year's old or more who has minor urologic surgeries will be divided in 2 groups receiving propofol and Etomidate. Major Inclusion and Exclusion criteria: Patients with ambulatory elective urological surgery with age more than 50 will be included and patients with history of adrenal insufficiency and history of allergy to the Etomidate or Propofol will be excluded. Intervention: Injection of Etomidate or Propofol main outcome measures: pain relief and hemodynamic instability

General information

Acronym

-

IRCT registration information

IRCT registration number: **IRCT2015082022734N1**

Registration date: **2015-10-15, 1394/07/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-10-15, 1394/07/23

Registrant information

Name

Mani Mofidi

Name of organization / entity

Iran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6435 2221

Email address

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Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2013-03-20, 1391/12/30

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

Clinical trial comparison of sedation and hemodynamic effects between propofol and etomidate in urological patients

Public title

comparison of sedation between propofol and etomidate in patients with elective urological surgery

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: patients with ambulatory elective urological surgery; age more than 50; ASA class I , II
exclusion criteria: history of adrenal insufficiency; history of vital sign instability; history of allergy to the Etomidate or Propofol

Age

From **50 years** old to **90 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 177

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Patients divided to the 2 groups by table of random numbers .

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic committee of Tehran University of Medical Sciences

Street address

Ghods st, Keshavarz BLV

City

Tehran

Postal code

Approval date

2015-03-16, 1393/12/25

Ethics committee reference number

93/130/2368/3

Health conditions studied

1

Description of health condition studied

urological disease

ICD-10 code

N21.1

ICD-10 code description

Calculus in urethra

Primary outcomes

1

Description

sedative effects

Timepoint

every 5 minute until 30 minute

Method of measurement

questionnaire

Secondary outcomes

1

Description

vital signs

Timepoint

every 5 minute until 30 minute

Method of measurement

questionnaire

Intervention groups

1

Description

Etomidate will be injected intravenously by dose of 0.1 mg/kg, when inadequate response another 0.05 mg/kg will be injected

Category

Treatment - Drugs

2

Description

Propofol will be injected intravenously by dose of 1 mg/kg, when inadequate response another 0.5 mg/kg will be injected

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Dr Hamideh Yousefnezhad

Street address

Anesthesiology ward; Imam Khomeini Hospital; Keshavarz BLV

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Dr Hamideh Yousefnezhad

Full name of responsible person

Dr Hamideh Yousefnezhad

Street address

Anesthesiology ward; Imam Khomeini Hospital; Keshavarz BLV

City

Tehran

Grant name

Grant code / Reference number**Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Dr Hamideh Yousefnezhad

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**

Tehran University of Medical Sciences

Full name of responsible person

Dr Hamideh Yousefnezhad

Position

Anesthesiology resident

Other areas of specialty/work**Street address**

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Position

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Tehran University of Medical Sciences

Full name of responsible person

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Position

Anesthesiology resident

Other areas of specialty/work**Street address**

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Web page address**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