

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of effectiveness of tamsulosin with placebo in prevention of urinary retention after scrotal surgeries, varicocelelectomy and herniorrhaphy

Protocol summary

Summary

The objective of this study is to survey the effect of Tamsulosine in the prevention of Postoperative Urinary Retention (PUR). In this randomized double blind clinical trial, 222 men aged 18 to 50 years old admitted in urology ward of Razi educational center, for scrotal surgery, varicocelelectomy, or herniorrhaphy were randomly assigned into the intervention or control group. The patients in the intervention group will receive 3 doses of tamsulosine capsule, 0.4mg orally (2 dose during 14 and 2 hours prior to the surgery and one dose 10 hours after the surgery). The patients in the control group will receive 3 doses of placebo with the same shape as the active capsules. The prevalence of urinary retention after the surgery will be compared between groups during the first 24 hours after the surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201109084582N5**
Registration date: **2011-11-27, 1390/09/06**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-11-27, 1390/09/06

Registrant information

Name

Ali Hamidi Madani

Name of organization / entity

Urology Research Center, Guilan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Urology Research Center, Guilan University of Medical Sciences

Expected recruitment start date

2011-08-30, 1390/06/08

Expected recruitment end date

2012-08-29, 1391/06/08

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of effectiveness of tamsulosin with placebo in prevention of urinary retention after scrotal surgeries, varicocelelectomy and herniorrhaphy

Public title

Comparison of effectiveness of tamsulosin with placebo in prevention of urinary retention after scrotal surgeries, varicocelelectomy and herniorrhaphy

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: men with 18-50 that underwent spinal anesthesia with 2cc lidocaine for scrotal surgery, varicocelelectomy or herniorrhaphy and duration of their surgery are less than 90 min Exclusion criteria: urinary symptom before surgery, history of urinary retention,

history of neurologic disease, pelvic surgery history, history of benzodiazepine consumption, beta agonist and alpha agonist before surgery, IV fluid intake during surgery more than 1500cc, use of anesthetic drugs except for lidocaine for spinal anesthesia and duration of surgery more than 90 min

Age

From **18 years** old to **50 years** old

Gender

Male

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **222**

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**

Guilan University of Medical Sciences

Street address

Razi Hospital

City

Rasht

Postal code

41448-95655

Approval date

2011-10-04, 1390/07/12

Ethics committee reference number

1900963801

Health conditions studied**1****Description of health condition studied**

Urinary retention

ICD-10 code

N31.9

ICD-10 code description

Neuromuscular dysfunction of bladder, unspecified

Primary outcomes**1****Description**

urinary retention

Timepoint

during 24 hours after surgery

Method of measurement

Medical history, physical examination, urine volume after catheterization

Secondary outcomes

empty

Intervention groups**1****Description**

3 dose of tamsulosine capsule 0.4mg orally (2 dose during 14 and 2 hours before surgery and one dose 10 hours after surgery)

Category

Treatment - Drugs

2**Description**

3 dose of placebo orally (2 dose during 14 and 2 hours before surgery and one dose 10 hours after surgery)

Category

Placebo

Recruitment centers**1****Recruitment center****Name of recruitment center**

Razi Hospital

Full name of responsible person

Dr. Hamidreza Baghani Aval

Street address

Sardar Jangal Street

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Rasht

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Guilan Urology Research Center

Full name of responsible person

Dr. Siavash Falahatkar, Director of Urology Research Center

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Urology Research Center, Razi Hospital

City

Rasht
Grant name
 10506
Grant code / Reference number
 32
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Guilan Urology Research Center
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

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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