# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

10 Jun 2026

## Effectiveness of Tamsulosin in prevention of post Cesarean Section urinary retention

## Protocol summary

**Summary**

This is a one-way and Parallel single blind study. Our aim is to compare the effectiveness of tamsulosin with placebo in preventing urinary retention after cesarean section. Our study population, patients referring to Shahidan Mobinabi Hospital Sabzevar, with age criteria up to 40 years old who are electively undergoing cesarean section surgery. Patients are randomly on random blocks assigned to control and control groups. After receiving consent, patients receive three doses of tamsulosin. Three doses of placebo will be given to the control group. They are then examined within 24 hours of surgery. Information is collected on the basis of a check list prepared. In case of complaints of urinary retention, the nalton catheter would be manipulated; then urinary retention is considered if there is a urinary volume of more than 200 cc. The information obtained by the software is then analyzed.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2017092036287N1**
Registration date: **2017-10-21, 1396/07/29**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

**Registration date**

2017-10-21, 1396/07/29

**Registrant information**

**Name**
Alireza Abadi
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**Recruitment status**

**Recruitment complete**

**Funding source**

Vice chancellor for research,Sabzevar University of Medical Sciences

**Expected recruitment start date**

2017-08-23, 1396/06/01

**Expected recruitment end date**

2017-10-23, 1396/08/01

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Effectiveness of Tamsulosin in prevention of post Cesarean Section urinary retention

**Public title**

Effect of Tamsulosin on prevention of post-operative urinary retention

**Purpose**

Prevention

**Inclusion/Exclusion criteria**

Inclusion criteria: All patients under 40 years of age who are referred to Mobinin Hospital in Sabzevar for elective cesarean section Exclusion criteria: Emergency cesarean section; Serum volume received more than 1000 cc before surgery; Pre-eclampsia; age over 40 years; history of neurological disease; history of Gynecologic surgery; preoperative urinary symptoms; Alpha blocker use before the operation

**Age**

From **15 years** old to **40 years** old

**Gender**

Female

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **152**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Single blinded

**Blinding description**

**Placebo**

Used

**Assignment**

Parallel

**Other design features**

In the study, patients are randomly assigned to either intervention or control group after entering the study. It is then to be be explained to them how a medicine is procured to prevent urinary retention. The side effects of the medicine is be fully explained aftetwards. None of the patients are aware of which group they may receive and the type of medication they would receive; as a result, this is a blinded study.

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**

**Name of ethics committee**

Ethics committee of Savzevar University of Medical Sciences

**Street address**

Asad Abadi Street, Central Organization of Medical Sciences, Sabzevar

**City**

Sabzevar

**Postal code**

**Approval date**

2017-07-10, 1396/04/19

**Ethics committee reference number**

IR.MEDSAB.REC.1396.24

## Health conditions studied

### 1

**Description of health condition studied**

Urinary retention

**ICD-10 code**

N32.0

**ICD-10 code description**

Bladder-neck obstruction

## Primary outcomes

### 1

**Description**

Urinary retention

**Timepoint**

After the intervention

**Method of measurement**

History and volume of urine after catheterization

## Secondary outcomes

### 1

**Description**

hypotension

**Timepoint**

24 hours after intervention

**Method of measurement**

In millimeters of mercury using a mercuric pressure gauge

## Intervention groups

### 1

**Description**

Intervention group: Tamsulosin portal 0.4 mg, oral, 3 doses, one day, 6 hours before surgery, during surgery and 6 hours after surgery.

**Category**

Treatment - Drugs

### 2

**Description**

Control group: placebo, 3 doses, for a day, 6 hours before surgery, during surgery and 6 hours after surgery.

**Category**

Treatment - Drugs

## Recruitment centers

### 1

**Recruitment center**

**Name of recruitment center**

Mobinabi Hospital in Sabzevar

**Full name of responsible person**

Behnaz Suezi

**Street address**

Kashefi Street., Mobini Hospital, Sabzevar, Khorasan Razavi, Iran

**City**

Sabzevar

## Sponsors / Funding sources

**1**

**Sponsor**
**Name of organization / entity**
Vice chancellor for research, Sabzevar University of Medical Sciences
**Full name of responsible person**
Hamidreza Baghani Aval
**Street address**
Vice Chancellor for Research, Sabzevar University of Medical Sciences, Sabzevar
**City**
Sabzevar
**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, Sabzevar 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

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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*