Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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

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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
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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