Clinical Trial Protocol
Iranian Registry of Clinical Trials

02 Nov 2026

Effect of planned nursing interventions versus no intervention on acute urinary retention in patients who are candidate for cardiac catheterization: a randomized clinical trial

Protocol summary

Summary

Objectives: To assess the effect of planned nursing interventions versus no intervention on acute urinary retention in patients who are candidate for cardiac catheterization. Design: a randomized clinical trial. Setting and conduct: The eligible patients who are candidate for cardiac catheterization and will refer to Farshchian Hospital during the study period will be enrolled into the trial. Inclusion criteria: Male patients who are candidate for elective cardiac catheterization. Exclusion criteria: History of urinary catheterization; urinary tract stone; urinary tract infection; urinary stenosis; constipation; nerves disorders; cerebrovascular accidents; using psychiatric medications, calcium channel blockers; alpha blockers; narcotics; or diuretics. Intervention group: Routine care plus specific nursing care including education of correct urination and putting basin and urinary tube at bedside and using wet gauze on suprapubic area. Control group: Just routine care. Primary outcome: Assessing acute urinary retention before and 1, 2, 4, and 6 hours after cardiac catheterization through taking history and physical examination. Secondary outcome: Nothing. Randomization: The patients will be randomly assigned to intervention and control groups using block randomization. Blinding: Not possible.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201609209014N116**
Registration date: **2016-09-22, 1395/07/01**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-09-22, 1395/07/01

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2015-10-09, 1394/07/17

Expected recruitment end date

2016-02-29, 1394/12/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of planned nursing interventions versus no intervention on acute urinary retention in patients who are candidate for cardiac catheterization: a randomized clinical trial

Public title

Effect of planned nursing interventions versus no intervention on acute urinary retention in patients who are candidate for cardiac catheterization

Purpose
Prevention

Inclusion/Exclusion criteria
Inclusion criteria: Male patients who are candidate for elective cardiac catheterization. Exclusion criteria: History of urinary catheterization; urinary tract stone; urinary tract infection; urinary stenosis; constipation; nerves disorders; cerebrovascular accidents; using psychiatric medications, calcium channel blockers; alpha blockers; narcotics; or diuretics.

Age
No age limit

Gender
Male

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **68**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
Randomization: The patients will be randomly assigned to intervention and control groups using block randomization. Blinding: Not possible.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics Committee of Zahedan University of Medical Sciences

Street address
Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences, Shahid Fahmideh Ave

City
Hamadan

Postal code
6517838695

Approval date
2015-07-25, 1394/05/03

Ethics committee reference number
IR.UMSHA.REC.1394.216

Health conditions studied

1

Description of health condition studied
Cardiac catheterization

ICD-10 code
Y84.0

ICD-10 code description
Cardiac catheterization

Primary outcomes

1

Description
Assessing acute urinary retention

Timepoint
before and 1, 2, 4, and 6 hours after cardiac catheterization

Method of measurement
through physical examination

Secondary outcomes

1

Description
Nothing

Timepoint
Nothing

Method of measurement
Nothing

Intervention groups

1

Description
Routine care plus specific nursing care including education of correct urination and putting basin and urinary tube at bedside and using wet gauze on suprapubic area

Category
Treatment - Other

2

Description
Just routine care

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Farshchian Hospital

Full name of responsible person

Mohammad Reza Setvati Basir

Street address

Farshchian Hospital, Mirzadeh Eshghi Ave.

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Full name of responsible person

Dr Saeid Bashirian

Street address

Hamadan University of Medical Sciences, Shahid Fahmideh Ave

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Hamadan

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 the Technology, Hamadan 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

School of Nursing and Midwifery

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Other areas of specialty/work

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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