

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Observing the principles of the clinical audit on doing of urinary catheterization in patients referring to the general operating room of Imam Khomeini (RA) hospital

Protocol summary

Summary

This is a randomized controlled trial study that was conducted to evaluate the effect of clinical audit process on the principles of catheterization skill in nurses working in General operating room of Imam Khomeini (RA) Hospital in 2015. At first, nurses were randomly allocated in two groups of intervention (audit exercise) and control (routine). All the nurses working in the operating room (50 in the intervention group and 50 in the control group) recruited by census methods. Inclusion criteria include all cases of urinary catheterization in the operating room. Exclusion criteria were emergency catheterization and urinary abnormal anatomical conditions of the people. The intervention was conducted via implementation of the five-stages clinical audit process in the intervention group (to determine the appropriate standard to evaluate the situation, comparing the current situation with the standards, apply changes and do again previous four steps to ensure the quality improvement process). Samples, before and after the intervention, were examined about taken urinary catheterization. Intervention to Changes in the intervention group was conducted as group and personal Education. for detection of nursing skills in three stages: before, during and after urinary catheterization, (pre- and post-intervention), the standard Check list of Nursing Organization of Iran was used.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016050914802N3**
Registration date: **2016-07-01, 1395/04/11**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-07-01, 1395/04/11

Registrant information

Name

Sara Adarvishi

Name of organization / entity

Ahvaz Jondishapur University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

vice-chancellor for research and technology of Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2015-07-23, 1394/05/01

Expected recruitment end date

2016-07-22, 1395/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Observing the principles of the clinical audit on doing of urinary catheterization in patients referring to the general operating room of Imam Khomeini (RA) hospital

Public title

Observing the principles of the Clinical audit on doing of

urinary catheterization

Purpose
Supportive

Inclusion/Exclusion criteria
Inclusion criteria: all cases of urinary catheterization in the operating room. Exclusion Criteria: emergency catheterization; urinary abnormal anatomical conditions of the patients.

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **100**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Ahvaz University of Medical Sciences

Street address

Ethics Committee, Vice-Chancellor for Research and Technology, Ahvaz University of Medical Sciences, Golestan street, Ahvaz, Khozestan..

City

ahvaz

Postal code

6135715794

Approval date

2015-12-05, 1394/09/14

Ethics committee reference number

IR.AJUMS.REC.1394.470

Health conditions studied

1

Description of health condition studied

infection urinary

ICD-10 code

Z46.6

ICD-10 code description

اتصالات و تنظیم دستگاه ادراری

Primary outcomes

1

Description

Principles catheterization by nurse

Timepoint

Baseline and one month after intervention

Method of measurement

standard Check list of nursing system

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the first, clinical audit includes assessment of catheterization skills, compare to the standards, extract weaknesses for a month in the operating room by researcher will be done. Then face to face training regarding the standards of catheterization, for 45 minutes will be given to all under study personnel and during next month, re-evaluation skills of catheterization will be done.

Category

Behavior

2

Description

Control group: In the control group, Assessment of catheterization procedure skill, comparison of current situation with standards, identifying weaknesses, and reassessment of catheterization procedure skill through observation and Check list will be recorded without any intervention at the two months.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam khomeini Hospital of Ahvaz

Full name of responsible person

Parisa Naseriyan

Street address

imam khomeini hospital of ahvaz, azadegan Street, Ahvaz, khozestan.

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-Chancellor for Research and Technology of
Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Dr. Mostafa Fegghi

Street address

Ahvaz Jundishapur University of Medical Sciences,
Vice-Chancellor for Research and Technology,
Golestan Street, Ahvaz, Khozestan

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Ahvaz

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 and Technology of Ahvaz
Jundishapur 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**

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Full name of responsible person

sara adarvishia

Position

MSc student of Nursing Education

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

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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

