Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Impact of infection control teaching on knowledge and practice of Tabriz hemodialysis nurses in 2015

Protocol summary

Summary

This quasi-experimental study will perform to evaluate the effect of teaching infection control on knowledge and practice of nurses in Tabriz hemodialysis wards. At first hemodialysis centers with 1- 5 years history of dialysis will be chosen, then one of the centers will be considered as a control group and two others as intervention groups. Participants in the study includes all nurses of hemodialysis with informed consent who have inclusion criteria of the study, that will be selected by stratified random sampling. The researcher at first will take pre-test to measure the knowledge and performance of both groups. For intervention group, the researcher in dialysis wards, will teach using a package based on the guidance of the Centers for Disease Control (CDC) in a 30 to 45 minutes teaching program, in two sessions during two weeks in small groups. Training will emphasize on hand hygiene, disinfection of equipment and devices of dialysis, catheter care and how to start and end of hemodialysis in patients with fistula or catheter. After two months, the knowledge and practice of nurses will be evaluated. During this period, the control group, will receive routine training. To evaluate the knowledge, questionnaire will be available for research samples, however, practice will assess by two people using checklist. Then data will be analyzed by descriptive and inferential statistics.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201501235665N5**
Registration date: **2015-06-01, 1394/03/11**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2015-06-01, 1394/03/11

Registrant information

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Sima Lakdizaji
Name of organization / entity
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Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciense

Expected recruitment start date

2015-06-22, 1394/04/01

Expected recruitment end date

2016-06-22, 1395/04/02

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Impact of infection control teaching on knowledge and practice of Tabriz hemodialysis nurses in 2015

Public title

Impact of infection control teaching on knowledge and practice of Tabriz hemodialysis nurses in 2015

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: - to have desire to participate in the study -at least 22 years and at most 40 years old -at least 6 months of experience in dialysis to have BSc or higher certificate in nursing Exclusion Criteria: - unwilling to continue the study - to have management positions - to have recent participation in teaching programs in infection control

Age
From **22 years** old to **40 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **40**

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
Tabriz University of Medical Sciense

Street address
Tabriz Medical Science University- Research Deputy- Ethics committee

City
Tabriz

Postal code

Approval date
2015-05-11, 1394/02/21

Ethics committee reference number
TBZMED.rec.1394.128

Health conditions studied

1

Description of health condition studied
Dialysis

ICD-10 code
Z49

ICD-10 code description
care involving dialysis

Primary outcomes

1

Description
Knowledge of nurses

Timepoint
2 months

Method of measurement
knowledge questionnare

Secondary outcomes

1

Description
practic of nurses

Timepoint
two months

Method of measurement
checklist of practice

Intervention groups

1

Description
For intervention group, the researcher in dialysis wards, will teach using a package based on the guidance of the Centers for Disease Control (CDC) in a 30 to 45 minutes teaching program, in two sessions during two weeks in small groups. Training will emphasize on hand hygiene, disinfection of equipment and devices of dialysis, catheter care and how to start and end of hemodialysis in patients with fistula or catheter. After two months, the knowledge and practice of nurses will be evaluated.

Category
Prevention

2

Description
During this period, the control group, will receive routine training.

Category
Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center
29 Bahman Hospital

Full name of responsible person
Enaz Karimi

Street address
29 Bahman Hospital, 29 Bahman Ave.

City
Tabriz

2

Recruitment center
Name of recruitment center
Artesh Hospital
Full name of responsible person
Elnaz Karimi
Street address
Artesh hospital, Azadi Ave.
City
Tabriz

3

Recruitment center
Name of recruitment center
Mahallati Hospital- hemodialysis ward
Full name of responsible person
Elnaz Karimi
Street address
Mahallati Hospital, Rah Ahan Ave.
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz Medical Science University
Full name of responsible person
Dr. Mirghafurvand
Street address
5138947-977, Nursing and Midwifery Faculty, Shriati Jnoobi Ave.Tabriz
City
Tabriz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tabriz Medical Science University
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
Tabriz University of Medical Science
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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