

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

The Effect of Education Based on Clinical Instructions on Nurses' Performance in the Prevention of Ventilator-Associated Pneumonia in Special Wards of Tabriz-1396 Educational Centers: A Quasi-Experimental Study

Protocol summary

Study aim

1. Determine the performance of nurses in the prevention of ventilator-Associated pneumonia after clinical instruction in two groups of control and intervention in the special departments of educational and therapeutic centers of Tabriz city - 1397.

Design

The present study is a quasi-experimental study with the aim of determining the effect of clinical education instruction on the performance of nurses in the prevention of ventilator-Associated pneumonia in special parts of Imam Reza and Shahid Madani hospitals in Tabriz. The samples were nurses working in the department Special care units will be located in Imam Reza and Shahid Madani educational centers, which will be allocated to intervention and control groups.

Settings and conduct

Intervention Imam Reza and Shahid Madani Hospital

Participants/Inclusion and exclusion criteria

Attendance criteria for having a bachelor's degree or higher, have at least 3 months of work experience in the intensive care unit, not having a second job, and not having completed a modular course in the prevention of pneumonia in the last 3 months. Exit criteria In this study, the reluctance to continue participating in a study or an irregular company and the absence of more than two sessions of classes or transfer to other departments other than the special sector will be considered.

Intervention groups

nurses

Main outcome variables

no

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20120605009948N5**

Registration date: **2018-12-09, 1397/09/18**

Registration timing: **prospective**

Last update: **2018-12-09, 1397/09/18**

Update count: **0**

Registration date

2018-12-09, 1397/09/18

Registrant information

Name

Majid Montazer

Name of organization / entity

Tabriz University of Medical sciences

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-01-21, 1397/11/01

Expected recruitment end date

2019-03-21, 1398/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Education Based on Clinical Instructions on Nurses' Performance in the Prevention of Ventilator-Associated Pneumonia in Special Wards of Tabriz-1396 Educational Centers: A Quasi-Experimental Study

Public title

The Effect of Education Based on Clinical Instructions on Nurses' Performance in the Prevention of Ventilator-Associated Pneumonia in Special Wards of Tabriz-1396 Educational Centers: A Quasi-Experimental Study

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Have a bachelor's degree or higher At least 3 months work experience in intensive care units Not having a second job Not attending Educational Classes on Pneumonia Prevention in the past 3 months

Exclusion criteria:

Unwillingness to continue participating in the study Irregular company and absence from more than two sessions of classes

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description

Subsequently, all nurses were divided into two groups using <https://www.randomizer.org/>

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

Biomedical Research Ethics Committee

Street address

Azadi

City

Tabriz

Province

East Azarbaijan

Postal code

5981764863

Approval date

2018-09-10, 1397/06/19

Ethics committee reference number

IR.TBZMED.REC.1397.499

Health conditions studied

1

Description of health condition studied

Ventilator Associated Pneumonia

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The Effect of Education on Nurses' Performance

Timepoint

30

Method of measurement

Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention Group: Nurses will receive twelve hours at six days of training on suction, hand hygiene, ventilation equipment and oral hygiene in ventilator patients .

Category

Prevention

2

Description

Control group: The nurses will carry out routine care.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Mehdi KHanbabayi Gol

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Tabriz University of Medical Sciences

Proportion provided by this source

50

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Tabriz University of Medical Sciences
Full name of responsible person
Mehdi Khanbabayi Gol
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Nurse
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Master

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Will be published as a scientific article.

When the data will become available and for how long

After printing the results

To whom data/document is available

All

Under which criteria data/document could be used

After the permission of the researcher

From where data/document is obtainable

Mehdi Khanbabayi Gol

What processes are involved for a request to access data/document

EMAIL

Comments