Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The effects of standard airways care education on the fatigue and moral distress of intensive care unit nurses.

Protocol summary

Summary

Objective: The aim of this study is to determine the effects of standard airways care education in ICU patients on the fatigue and moral distress of Nurses working in these parts and It will be done as a single group quasi-experimental study with before-after method. Design: This research is a clinical trial and cross-sectional study that was designed on nurses working in the intensive care unit of Valiasr hospital in Arak. Setting and conduct: the patients with following criteria will be enrolled into the study: a) Nurses with a bachelor's degree and higher degree in nursing and are interested to participating in the study; b) Nurses (employed or working on a contract) working in Valiasr hospital for more than one year. Exclusion criteria included: a) Subjects' personal interest to leave the study. All nurses working in ICU wards of Valiasr hospital which has the characteristics of the research sample, will be evaluated by census method. Before intervention questionnaires about moral distress and fatigue will be completed by nurses and the standard airway care checklist also will be completed by the researcher after attending various staff shifts. Then all nurses who have expressed their consent to participate in the research will be given the necessary training. The data Obtained in the initial study with the data obtained from the completion of the questionnaires and the view checklist after the training will be compared and analyzed. The intervention period is three months .Principal Outcome Variables: The study's outcomes included the fatigue and moral distress of nurses and the quality of nurses' care through artificial airway in the studied patients.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017062513110N3**

Registration date: **2017-07-23, 1396/05/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-07-23, 1396/05/01

Registrant information

Name

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Name of organization / entity

Arak University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Arak University of Medical Sciences

Expected recruitment start date

2017-04-21, 1396/02/01

Expected recruitment end date

2017-07-23, 1396/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effects of standard airways care education on the fatigue and moral distress of intensive care unit nurses.

Public title

The effects of standard airways care education on the fatigue and moral distress of Nurses.

Purpose
Health service research

Inclusion/Exclusion criteria
Inclusion criteria:a)Nurses with a bachelor's degree and higher degree in nursing and are interested to participating in the study; b) Nurses (employed or working on a contract) working in Valiasr hospital for more than one year. Exclusion criteria:a) Subjects' personal interest to leave the study.

Age
From **20 years** old to **50 years** old

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size:

Randomization (investigator's opinion)
Not randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Arak University of Medical Sciences.

Street address
Vice Chancellery For Research And Education, Pardis Site Of University Of Medical Sciences, Basij Sq, Arak

City
Arak

Postal code
38149 - 5 - 7558

Approval date
2017-02-27, 1395/12/09

Ethics committee reference number
IR.ARAKMU.REC.1395.417

Health conditions studied

1

Description of health condition studied
moral distress

ICD-10 code
f60

ICD-10 code description
Emotionally unstable personality disorder

2

Description of health condition studied
fatigue

ICD-10 code
R53

ICD-10 code description
Malaise and fatigue

Primary outcomes

1

Description
Moral Distress

Timepoint
Before and two weeks after standard airways care education.

Method of measurement
Corley (Moral Distress Scale) questionnaire

2

Description
Fatigue

Timepoint
Before and two weeks after standard airways care education.

Method of measurement
MFI (multidimensional fatigue inventory) questionnaire

Secondary outcomes

1

Description
Effects of standard airways care education in ICU patients on ICU part Nurses

Timepoint
Before and two weeks after standard airways care education.

Method of measurement
Check List

Intervention groups

1

Description
After the initial assessment standard care rates of patients with artificial airway and the severity of fatigue and moral distress, In the field of standard care of artificial airway will be trained to nurses in two one-hour

session along with a presentation of a pamphlet. Two weeks after the training (intervention), standard care rates of artificial airway patients also the intensity of fatigue and moral distress of Nurses will be assessed.

Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Valiasr Hospital Arak
Full name of responsible person
Mehdi Harorani
Street address
Valiasr Hospital, Valiasr Square, Arak
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Arak University of Medical Sciences
Full name of responsible person
Dr. Ali Ghazavi
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Vice Chancellery For Research And Education, Pardis Site Of University Of Medical Sciences, Basij Sq, Arak
City
Arak
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, Arak 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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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