Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Investigation of correct application of ventilators` humidifier systems before and after nursing education in Intensive Care Units in Karaj Shahid madani

Protocol summary

Summary

The aim of this study is assessment of correct application of ventilators` humidifier systems before and after nursing education in Intensive Care Units. the type of this study is longitudinal interventional prospective and will be double blinded in design. inclusion criteria is ICU nurses, ventilators that will be connect to patients and exclusion criteria is nurses other than ICU nurses and silent ventilators . study population will be all ventilators that connect to patients. sample size will be 654 ventilators that connected to patients and 70 nurse. at the first phase researcher with accidental presentation in research environment assess ventilator`s humidifier systems. these assessment will be include: existing of humidifier, existing of sterile water in humidifier`s container, existing of connective tubes, connection of humidifier to respiratory circuit and connection of humidifier to inspiratory arm. the resulting data record at checklist that was designed for this purpose. at the second phase researcher will educates the ICU nurses, without previous advice about study, in title " ventilator`s humidifier systems and their correct application". duration of this education program will be 4 hours in 2 consequence days. at the third phase, researcher for evaluate the effect of nurses education on correct humidifiers application, Similar to first phase, will be assess ventilator`s humidifier systems and the resulting data will record at checklist.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014053116338N2**
Registration date: **2014-09-08, 1393/06/17**
Registration timing: **registered_while_recruiting**
Last update:
Update count: **0**

Registration date

2014-09-08, 1393/06/17

Registrant information

Name
Seyyed Mohsen Pouryaeghobi
Name of organization / entity
Alborz University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 26 3253 3488
Email address
dr.pooryaghobi@abzums.ac.ir

Recruitment status

Recruitment complete

Funding source

Alborz University of Medical Sciences

Expected recruitment start date

2014-07-23, 1393/05/01

Expected recruitment end date

2014-12-22, 1393/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation of correct application of ventilators` humidifier systems before and after nursing education in Intensive Care Units in Karaj Shahid madani

Public title

Effect of nursing education on correct application of

ventilator`s humidifiers

Purpose

Prevention

Inclusion/Exclusion criteria

inclusion criteria: ICU nurses and ventilators that connected to patients exclusion criteria: nurses other than ICU nurses and silent ventilators

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Alborz University of Medical Sciences

Street address

North Taleghani blv, Shahrak-e-Edari

City

Karaj

Postal code

Approval date

2014-03-12, 1392/12/21

Ethics committee reference number

2343980

Health conditions studied

1

Description of health condition studied

Effect of nursing education

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

correct application of humidifiers

Timepoint

2weeks education, 6 months after education

Method of measurement

observation and record in chek list

Secondary outcomes

1

Description

correct application of humidifiers

Timepoint

6 months after education

Method of measurement

observation and record in chek list

Intervention groups

1

Description

Nurses education: After primary assessment of ventilator`s humidifiers, nurses will be educated about correct application of humidifiers and then will be evaluated the education program effect on them.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Madani Hospital

Full name of responsible person

Dr.Pouryaeghobi Seyyed Mohsen

Street address

Shahid Mmadani sq. Jahan shahr

City

Karaj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Alborz University of Medical Sciences

Full name of responsible person

Ali

Street address

North Taleghani Ave, Shahrak-e-Edari

City

Karaj

Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Alborz 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
Alborz University of Medical Sciences
Full name of responsible person
Dr.Pouryaeghobi Seyyed Mohsen
Position
Anesthesiologist
Other areas of specialty/work
Street address
North Taleghani Blv, Shahrak -e - Edari
City
Karaj
Postal code
Phone
+98 26 3455 1034
Fax
Email
dr.pooryaghobi@abzums.ac.ir & pour.mohsen@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Alborz University of Medical Sciences
Full name of responsible person
dr.Pouryaeghobi Seyyed Mohsen
Position
Anesthesiologist
Other areas of specialty/work
Street address
Alborz University of Medical Science, North Taleghani-Shahrak -e-Edari
City
Karj
Postal code
Phone
+98 26 3253 3488
Fax
Email
dr.pooryaghobi@abzums.ac.ir & pour.mohsen@yahoo.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Alborz University of Medical Sciences
Full name of responsible person
Dr.Pouryaeghobi Seyyed Mohsen
Position
Anesthesiologist
Other areas of specialty/work
Street address
Alborz University of Medical Science, North Taleghani Blv, Shahrak -e-Edari
City
Karaj
Postal code
Phone
+98 26343360078
Fax
Email
dr.pooryaghobi@abzums.ac.ir&pour.mohsen@yahoo.com
Web page address

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