

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Effect of clinical guideline based education and non-education on practice of nurses in the prevention of ventilator-associated pneumonia (VAP) in ICU

Protocol summary

Summary

This study aims to evaluate the effect of clinical guideline based education on practice of nurses in the prevention of ventilator-associated pneumonia. In this quasi-experimental study Total of 60 nurses who working in the ICU was non- randomly divided into two groups. Of control and experiment (30 people in each group) Experiment group received education by installing posters bedside of patients and giving pamphlet and booklet to them. Moreover the experiment group received four sessions of practical care of patients who connected to the ventilator. There wasn't any intervention for control group. The data of both groups were collected after one month intervention by checklist of intensive care performance of nurses in morning and evening and night shifts. The x-ray diagnosis of patients in both groups was Observed after intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016030617059N7**

Registration date: **2016-12-27, 1395/10/07**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-12-27, 1395/10/07

Registrant information

Name

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Name of organization / entity

Urmia University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 44 1365 9031

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hemmati_m@umsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2015-10-25, 1394/08/03

Expected recruitment end date

2016-01-23, 1394/11/03

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of clinical guideline based education and non-education on practice of nurses in the prevention of ventilator-associated pneumonia (VAP) in ICU

Public title

The effect of education on practice of nurses in the prevention of ventilator-associated pneumonia

Purpose

Health service research

Inclusion/Exclusion criteria

Including criteria were having license or higher degree in nursing, having experience of intensive care unites at last 3 months. Having rotating shift (morning. evening and night) Don't have any educational classess related to pneumonia in past 3 months. Including criteria were unwilling to continue participation in this study, irregular attention, absence more ther 2 sessions, be transfered to

the other sectors except special section.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Not 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 Urmia University of Medical Sciences

Street address

Jahad square, University of Medical Sciences, Urmia

City

urmia

Postal code

5714783734

Approval date

2015-09-30, 1394/07/08

Ethics committee reference number

ir.umsu.rec.1394.210

Health conditions studied**1****Description of health condition studied**

ventilator-associated pneumonia (VAP)

ICD-10 code

J67-J70 ,J

ICD-10 code description

pneumonitis, due to external agents

Primary outcomes**1****Description**

practice of nurses

Timepoint

A month after intervention

Method of measurement

check list

Secondary outcomes**1****Description**

Ventilator-associated pneumonia (VAP)

Timepoint

A month after intervention

Method of measurement

aboundness

Intervention groups**1****Description**

Intervention 2: The impact of non-education on control group.

Category

Prevention

2**Description**

Intervention 1: Education in experiment group was done by installing posters at the patient's bedside and giving pamphlets and booklet to them. Also, the experimental group received 4 sessions of practical display of bedside care of ventilated patients connected to the ventilator was done

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

Clinical-Educational Center Imam Khomeini and
Clinical-Educational Center Taleghani

Full name of responsible person

Iraj Mohebi

Street address

Jahad square, Urmia University of medical sciences

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Sponsors / Funding sources**1****Sponsor**

Name of organization / entity

Vice chancellor for research, Urmia University of Medical Sciences

Full name of responsible person

Iraj Mohebi

Street address

Jahad square, Urmia University of medical sciences

City

Urmia

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, Urmia 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****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Urmia University of Medical Sciences

Full name of responsible person

Masoumeh Hemmati Maslakpak

Position

PhD in Nursing / Associate Professor/ Educational Assistant School of Nursing and Midwifery

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

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Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Urmia University of Medical Sciences

Full name of responsible person

Seyran Goljabini

Position

Critical Care Nursing Graduate Student

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

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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