

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

The effect of pressure ulcer management educational program on the performance of nurses in the care of patients admitted to the intensive care unit.

Protocol summary

Summary

This experimental study will be done to determine the effect of pressure ulcer care educational program on the intensive care units nurses' performance in risk factor diagnosis, prevention and care of pressure ulcers in patients. Inclusion criteria: nurses with bachelor's degree and higher who work full-time in the intensive care unit and exclusion criteria: Nurses who are not responsible for the care of the patient with a pressure ulcer. The sample size is 70, and the sampling method is two-stage, including quotas sampling and random allocation. The first stage, according to the nurses' population in the trauma and internal care units, is considered to be a quota. In the second stage, with random allocation of intensive care units, 35 individuals are placed in the intervention group and 35 in the control group. The research tool consists of a researcher-made checklist that in the first stage, the checklist is completed by examining the performance of nurses in two intervention and control groups. The second stage is performed the program of training for the management of pressure ulcer in the form of learning workshop and providing educational Leaflet and CD for nurses in the intervention group. In the final stage, two weeks after the implementation of the pressure ulcer care program, the researcher examines the performance of nurses in the intervention and control groups to complete the checklist. Nurses' performance is compared between the intervention and control groups before and after the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017080935602N1**
Registration date: **2017-10-19, 1396/07/27**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-10-19, 1396/07/27

Registrant information

Name

Masomeh Sardari

Name of organization / entity

Faculty of Nursing and Midwifery of Shahid Beheshti
University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Faculty of Nursing and Midwifery of Shahid Beheshti
University of Medical Sciences

Expected recruitment start date

2017-09-06, 1396/06/15

Expected recruitment end date

2018-02-06, 1396/11/17

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of pressure ulcer management educational

program on the performance of nurses in the care of patients admitted to the intensive care unit.

IR.SBMU.PHNM.1395.583

Public title

The effect of pressure ulcer management training on nurses' performance

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Nurses with a bachelor's degree or higher who work full-time in the intensive care unit; Nurses who take care of inactive or Low mobility patients in intensive care units; Nurses who have at least one year of work experience at the ICU; Nurses who have not participated in the pressure ulcer training course during the past 6 months or are not passing this period.

Exclusion criteria: Nurses who are not responsible for the care of the patient with a pressure ulcer.

Age

From **20 years** old to **70 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **70**

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

Ethics committee of Shahid Beheshti University of Medical Sciences

Street address

Shahid Beheshti University of Medical Sciences, next to Ayatollah Taleghani Hospital, Shahid Arabi Street, Yemen Avenue, Shahid Chamran Highway, Tehran

City

Tehran

Postal code

Approval date

2017-01-03, 1395/10/14

Ethics committee reference number

Health conditions studied

1

Description of health condition studied

Pressure ulcer

ICD-10 code

L89

ICD-10 code description

Decubitus ulcer and pressure area

Primary outcomes

1

Description

Nurses performance

Timepoint

Before and two weeks after the intervention

Method of measurement

Researcher chekList

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: a pressure ulcer care program through a workshop will be held for nurses in groups of 9 people for in three 90-minute training sessions during 3 weeks. In the first training course that will be held in the first week, 90 minutes of educational content related to skin Recognizing, assessment and determination of pressure ulcer risk factors will be provided for nurses. In the second training course, which will be held in the second week, pressure ulcer preventive measures will be taught in a 90 minute session. The third course will be held in the third week to provide educational content related to care and treatment measures of pressure ulcers. Educational leaflet and CD are also provided to the nurses.

Category

Behavior

2

Description

Control group: There is no action in the control group.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Dr. Ali Shariati Hospital

Full name of responsible person

Dr Roghaye Esmaili

Street address

Dr. Ali Shariati Hospital, Between Mohammad Shahr Road and Mahdasht, Karaj

City

Tehran

2

Recruitment center

Name of recruitment center

Madani Hospital

Full name of responsible person

Dr Roghaye Esmaili

Street address

Madani Hospital, at the end of the Mahan Street, Taleghani crossroads, Karaj

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3

Recruitment center

Name of recruitment center

Shahid Rajai Hospital

Full name of responsible person

Dr. Roghaye Esmaili

Street address

Shahid Rajai Hospital, Shahid Rajai Street, Hesarak, karaj

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Shahid Beheshti University of Medical Sciences

Full name of responsible person

Dr. Afshin Zarghi

Street address

Shahid Beheshti University of Medical Sciences, next to Ayatollah Taleghani Hospital, Shahid Arabi Street, Yemen street, Shahid Chamran Highway

City

Tehran

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 of Shahid Beheshti 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

Faculty of Nursing and Midwifery, Shahid Beheshti University of Medical Sciences

Full name of responsible person

Masomeh Sardari

Position

M.S. Student in Nursing

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

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Person responsible for scientific inquiries

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University of Medical Sciences

Full name of responsible person

Dr. Roghaye Esmaili

Position

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

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University of Medical Sciences, Across from Shahid
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City

Tehran

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