Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effect of education on awareness of occupational health and safety instructions and musculoskeletal disorders related to work in staff ICUs

Protocol summary

Summary

This study is a clinical trial, adjusted in accordance with OSHA to verify the effect of education on knowledge and work-related musculoskeletal disorders among employees intensive care unit (ICU) and Amiralmomenin & Vali Asr hospitals affiliated with Arak University of Medical Sciences will be determined. A total of 60 staff of the ICU including nurses, health workers, aid workers and hospital services selected with a convenience sampling and will be randomly divided into control and intervention groups. Training for group intervention (for any shifts morning, afternoon, evening separately) in two 2-hour workshop will be. The first workshop, which includes educational goals and educational content standards (prepared by the investigator based on modified (OSHA) on how to properly transport patients for a period of 30-45 minutes will be distributed; then the issue will be discussed in a group discussion and the questions and answers will be done. In the second workshop staff how to properly transport patients (from stretcher to bed, bed to stretcher, bed to bed, bed to wheelchair, and wheelchair to bed) in the form of practical training under the supervision of a researcher on the replica will train. In the control group routine methods will be used to transport patients. Finally, the two groups will be tested.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015050521896N2**
Registration date: **2015-05-30, 1394/03/09**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2015-05-30, 1394/03/09

Registrant information

Name
Mokhtar Mahmoudi

Name of organization / entity
Iran University Of Medical Science

Country
Iran (Islamic Republic of)

Phone
+98 21 4435 5764

Email address
mokhtar.mahmoudi@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

The College of Nursing and Midwifery of Ark

Expected recruitment start date

2015-05-10, 1394/02/20

Expected recruitment end date

2015-09-11, 1394/06/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of education on awareness of occupational health and safety instructions and musculoskeletal disorders related to work in staff ICUs

Public title

The effect of education on awareness of occupational health and safety instructions and musculoskeletal disorders related to work in staff ICUs

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: participants are aged between 18-50 years old; have at least one year of work experience; willing to participate in the study; employees of transport and movement of patients based on OSHA guidelines are not observed; the patient has no pain. Exclusion criteria: participants have bone surgery, Scoliosis, fractures, pregnancy, osteoporosis, cancer, multiple sclerosis; turn over (resignation and pension) or change part in the study.

Age
From **18 years** old to **55 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **60**

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
arak university of medical science

Street address
Arak, Sardasht,arak university of medical science,the college of nursing and midwifery

City
Arak

Postal code
38481-7-69-41

Approval date
2015-02-08, 1393/11/19

Ethics committee reference number
8-174-93

Health conditions studied

1

Description of health condition studied
Musculoskeletal system disorder

ICD-10 code
M0-99

ICD-10 code description
Diseases of the musculoskeletal system and connective tissue

Primary outcomes

1

Description
Awareness of musculoskeletal disorders

Timepoint
Three months after the intervention.

Method of measurement
Using work-related musculoskeletal disorders questionnaire (survey on work-related musculoskeletal disorders among nigeruian nurses

Secondary outcomes

1

Description
Knowledge of musculoskeletal disorders

Timepoint
Three months after the intervention.

Method of measurement
Check list of clinical nursing procedures

Intervention groups

1

Description
Training for group intervention (for any shifts morning, afternoon, evening separately) in two 2-hour workshop will be, The first workshop, which includes educational goals and educational content standards (prepared by the investigator based on modified (OSHA) on how to properly transport patients for a period of 30-45 minutes will be distributed, Then the issue will be discussed in a group discussion and the questions and answers will be done.In the second workshop staff how to properly transport patients (from stretcher to bed, bed to stretcher, bed to bed, bed to wheelchair, wheelchair to bed) in the form of practical training under the supervision of a researcher on the replica will train,

Category
Other

2

Description
In the control group, routin method for transport patient will be use.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Amiralmomenin Hospital

Full name of responsible person
Ms Hajian Leila

Street address
Amiralmomenin Hospita center,Sardasht,Arak,Iran

City
Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Arak university of medical science

Full name of responsible person
Dr Rafii

Street address
College of nursing and midwifery,Sardasht,Arak,Iran

City
Arak

Grant name

Grant code / Reference number

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

Title of funding source
Arak university of medical science

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
college of nursing and midwifery

Full name of responsible person
Mahmoudi Mokhtar

Position
Msc in nursing

Other areas of specialty/work

Street address
College of nursing and midwifery,Sardasht,Arak,Iran

City
Markazi

Postal code

Phone
+98 86 3278 0817

Fax

Email
mokhtar.mahmoudi@arakmu.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
college of nursing and midwifery

Full name of responsible person
Mahmoudi Mokhtar

Position
Msc in nursing

Other areas of specialty/work

Street address
College of nursing and midwifery,Sardasht,Arak,Iran

City
Arak

Postal code

Phone
+98 86 3278 0817

Fax

Email
mokhtar.mahmoudi@arakmu.ac ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity
Arak university of medical science

Full name of responsible person
Mahmoudi Mokhtar

Position
Msc in nursing

Other areas of specialty/work

Street address
College of nursing and midwifery,Sardasht,Arak,Iran

City
Markazi

Postal code
3813111956

Phone
+86 32780817

Fax

Email
mahmodimokhtar85@gmail.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