

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 Jun 2026

A comparative study on the effects of two evidence based teaching method and routine workshop in cardiopulmonary resuscitation on clinical competency of nurses in emergency department

Protocol summary

Study aim

Comparison of the efficacy of evidence-based education and routine cardiopulmonary resuscitation workshop on clinical competencies among emergency nurses

Design

This is a two group single blind clinical trial which is based on routine training.

Settings and conduct

The present study was a semi-experimental interventional study on nurses working in Emergency wards of Imam Khomeini hospital in Dehdasht in 1396. After selecting eligible people, the subjects were randomly assigned into two groups. In the first group, evidence-based education program including cardiovascular and pulmonary rehabilitation training and in the second group, only rehabilitation training were given through a routine workshop. The second group didn't receive any training about evidence-based learning

Participants/Inclusion and exclusion criteria

Inclusion criteria: Nurses in Emergency Department of Imam Khomeini Hospital, Dehdasht Hospital with a minimum of 2 years work experience Failure to complete an educational course related to an evidence-based workshop or the like Participating in the CPR Team The willingness to participate in the study and signing the written informed consent of the company in the study. Non Inclusion criteria: Not participating in the CPR team; Participate in evidence-based workshop meetings over one meeting.

Intervention groups

The study is a two-step intervention group based on evidence-based training and routine workshops. Both groups received the same training in their own fields and did not know the contents of the other group.

Main outcome variables

Clinical Competency

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180221038820N1**

Registration date: **2018-09-04, 1397/06/13**

Registration timing: **retrospective**

Last update: **2018-10-02, 1397/07/10**

Update count: **1**

Registration date

2018-09-04, 1397/06/13

Registrant information

Name

MOSLEM MOSLEMIRAD

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 74 3227 0913

Email address

moslemirad.m@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-02-04, 1396/11/15

Expected recruitment end date

2018-02-09, 1396/11/20

Actual recruitment start date

2018-02-10, 1396/11/21

Actual recruitment end date

2018-02-11, 1396/11/22

Trial completion date

2018-06-17, 1397/03/27

Scientific title

A comparative study on the effects of two evidence based teaching method and routine workshop in cardiopulmonary resuscitation on clinical competency of nurses in emergency department

Public title

Clinical competency clinical trial

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria:

Nurses working at the emergency department of Imam Khomeini Hospital, with at least two years of work experience not participatin in the training courses associated with the evidence - based workshop or similar cases Having a contribution to the CPR team The willingness to participate in the study and to signing the written informed consent to participate in the study.

Exclusion criteria:

Not participating in the CPR team Participate in evidence-based workshop meetings over one meeting

Age

From **25 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Care provider
- Data analyser
- Data and Safety Monitoring Board

Sample size

Target sample size: **44**

Actual sample size reached: **44**

Randomization (investigator's opinion)

Randomized

Randomization description

The randomization of this study has been done using "shuffling sheets" or cards to obtain more reliable results. In this method, the number of people in the charter community was placed in a box with the characteristics of the participants and randomly and on the card People were divided into two different groups

Blinding (investigator's opinion)

Single blinded

Blinding description

In this study , the first group will receive evidence - based training and the second group will train a workshop and do not know the trained material, and the participants are registered on the model and during the rehabilitation by a checklist trained by the supervisor.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Ahvaz University of Medical Sciences

Street address

No.4, North Golestan Ave, Golestan Blvd.

City

Ahvaz

Province

Khuzestan

Postal code

6135715794

Approval date

2018-02-03, 1396/11/14

Ethics committee reference number

IR.AJUMS.RES.1396.959

Health conditions studied

1

Description of health condition studied

Cardiac and pulmonary resuscitation

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Clinical Nurses' Competency Regarding Cardiac and Pulmonary Restorations

Timepoint

2 mounth

Method of measurement

questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group 1: Learning to recover from the cpr by evidence-based learning method. In the first group, evidence-based learning included: two workshops of research methodology for 4 sessions with the contents of an introduction to evidence-based nursing, how to set clinical questions, how to use it Information sources and how articles are criticized. Following the implementation

of the evidence-based evidence-based care workshop on cardiopulmonary resuscitation, and in line with the latest changes to the 2015 revival of 2015, nurses will be familiarized with evidence-based care and appropriate for cardiopulmonary resuscitation. During the two months of each week, we will take an hour to troubleshoot and track the learners' experiences. Two months after the intervention, their clinical competence was assessed using a researcher-made clinical eligibility checklist.

Category

Behavior

2**Description**

Intervention group 2: This group was trained by two trained personnel in a hospital in the course of two 3-hour recurrent training workshops through Slide and PowerPoint, and the film was updated with the 2015 WayLead, and began training in groups for training they have payed.

Category

Behavior

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

Imam Khomeini Hospital in Dehdasht

Full name of responsible person

Moslem Moslemirad

Street address

Sepah Street

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Dehdasht

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Kohgiluyeh-va-Boyrahmad

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Ahvaz University of Medical Sciences

Full name of responsible person

Mohammad Badavi

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No 6, Research Deputy of Ahvaz Jundishapur University of Medical Sciences, North Golestan Ave., Golestan Blvd.,

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Ahvaz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Ahvaz University of Medical Sciences

Full name of responsible person

Moslem Moslemirad

Position

Student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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

Ahvaz University of Medical Sciences

Full name of responsible person

Marziyeh Asadizaker

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Assistant Professor

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

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Full name of responsible person

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Position

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Latest degree

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Other areas of specialty/work

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD**Study Protocol**

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document**When the data will become available and for how long****To whom data/document is available****Under which criteria data/document could be used****From where data/document is obtainable****What processes are involved for a request to access data/document****Comments**