Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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
Khouzestan
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

City

Dehdasht

Province

Kohgilouyeh-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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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

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Full name of responsible person

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Assistant Professor
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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