

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

The effect of Basic Cardiopulmonary and Cerebral Resuscitation (CPCR) education by peer learning on skill and knowledge of emergency medical ambulance workers Kohgiloye and Bovirahmad province in year 1392.

Protocol summary

Summary

This study aimed to determine the effect of basic Cardiopulmonary and Cerebral Resuscitation learning by peer on the knowledge and skill emergency medical ambulance drivers Kohgiloyeh and Bovirahmad Province. The study population was 70 emergency medical ambulance drivers Kohgiloyeh and Bovirahmad Province and selected census method (nonrandom access). The study design and method is after choice qualified samples and explanation design goals and receive informed consent randomly divided into control and experimental groups. Intervention includes CPR training by the researcher to control group and CPR training by peer group to test group. Chief inclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields. Chief exclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields. The main outcome measure (variables) includes knowledge of emergency medical ambulance workers that measured with CPR Awareness Questionnaire and skill of emergency medical ambulance workers that checked with practice check list of cardiopulmonary resuscitation. The time of the study implementation has been from 06/09/2014 to 06/11/2014.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014100719434N1**

Registration date: **2015-06-06, 1394/03/16**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-06-06, 1394/03/16

Registrant information

Name

Amir Peighan

Name of organization / entity

Shiraz University of Medical Science

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research and Technology of Shiraz University of Medical Sciences

Expected recruitment start date

2014-09-06, 1393/06/15

Expected recruitment end date

2014-11-06, 1393/08/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Basic Cardiopulmonary and Cerebral Resuscitation (CPCR) education by peer learning on skill and knowledge of emergency medical ambulance workers Kohgiluyeh and Boyer-Ahmad province in year 1392.

Public title

Effect of Basic Cardiopulmonary and Cerebral Resuscitation (CPCR) Education by peer learning

Purpose

Treatment

Inclusion/Exclusion criteria

Chief inclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields. Chief Exclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields.

Age

No age limit

Gender

Male

Phase

2

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**

Medical Research Ethics Committee of Shiraz University of Medical Sciences

Street address

Central department Shiraz University of Medical Sciences, Zand street, Shiraz.

City

Shiraz

Postal code

71345-1978

Approval date

2014-08-24, 1393/06/02

Ethics committee reference number

93-7131

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

Cardiopulmonary resuscitation

ICD-10 code

I46.1,J96

ICD-10 code description

sudden cardiac arrest

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

Knowledge of emergency medical ambulance workers

Timepoint

Pre test - 2 weeks after of intervention

Method of measurement

CPR Awareness Questionnaire

2**Description**

Skill of emergency medical ambulance workers

Timepoint

Pre test - 2 weeks after of intervention

Method of measurement

Practice check list of cardiopulmonary resuscitation

Secondary outcomes

empty

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

Researcher within 4 hours of theory training based on the definition of cardiac arrest and Cardiopulmonary resuscitation, cardiac arrest and respiratory causes and ways to prevent it and how do Basic CPR according to the latest American Heart Association revised standard instructions in 2010 and then given 4 hours of practical training on cardiopulmonary resuscitation mannequin are based on the guideline to the control group. And then all of the persons practice on mannequins experimentally and two weeks later, knowledge and performance is measured.

Category

Treatment - Other

2

Description

After the first phase, five persons in the control group that obtained higher score than the other from the knowledge and skill in post-test selected as the peer group. Then 4 hours of theory over the same course content as compared to the control group and the experimental group during the 4 hours practical training required to teach.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Yasuj Medical Emergency Center

Full name of responsible person

Sayed Saeid Najafi

Street address

Fatemeh(PBUH) School of Nursing and Midwifery,
Shiraz University of Medical Science, Namazi Square

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research, Shiraz University of
Medical Sciences

Full name of responsible person

Dr sayed Basir Hashemi

Street address

7th floor, Zand street, Namazi Square, Shiraz
University of Medical Sciences

City

Shiraz

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, Shiraz 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

The Center of Medical Emergency, Yasuj University of
Medical Science

Full name of responsible person

Pouranfard Jalal

Position

MSc of critical care nursing

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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MSc of Medical Surgical Nursing

Other areas of specialty/work

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Person responsible for updating data

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Name of organization / entity

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Full name of responsible person

Amir Peighan

Position

Nurse

Other areas of specialty/work

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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