

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Clinical trial the impact of basic cardiopulmonary resuscitation training on adult knowledge and skills

Protocol summary

Study aim

To determine the effect of basic cardiopulmonary resuscitation training on the adult knowledge and skills

Design

The study uses an interventional randomised pre-test post-test design with control group. Ninety-two eligible adults who are selected with multi-stage randomization, will participate in the study

Settings and conduct

This research investigates the impact of teaching on the knowledge and skills of adults in Shorab Koothmarh-sorkhi area. The researcher will select eligible adults by multi-stage random sampling. Before the intervention, the pre-test is performed using the knowledge test and the basic cardiopulmonary resuscitation checklist. Then, the participants are divided in two experimental and control groups of 46 people by the random block method. Afterwards, the intervention is performed for experimental group. Therefore two hours of verbal training and 2 hours of practical training based on molasses will be done. The control group dose not receive training during study. Post-test will be performed 8 week after the intervention, using the same knowledge test and the the basic cardiopulmonary resuscitation checklist.

Participants/Inclusion and exclusion criteria

Have the necessary mental and physical ability:To complete the informed consent: To have the willingness to participate in the research: Aged 18 to 55 years old:To have the ability to read and write.

Intervention groups

Experimental group: 46 eligible adults who participate in basic cardiopulmonary resuscitation training program for 4:15 hours that is presented by verbal teaching method, show movie, discussion and practice exercises on the pulp. Control group: 46 eligible adults who do not participate in basic cardiopulmonary resuscitation training program.

Main outcome variables

Improved knowledge about basic cardiopulmonary resuscitation;; Improved basic cardiopulmonary resuscitation skills

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20150714023199N3**

Registration date: **2018-05-06, 1397/02/16**

Registration timing: **prospective**

Last update: **2018-05-06, 1397/02/16**

Update count: **0**

Registration date

2018-05-06, 1397/02/16

Registrant information

Name

Zahra Khademian

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3647 4254

Email address

khademian@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-05-10, 1397/02/20

Expected recruitment end date

2018-09-11, 1397/06/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical trial the impact of basic cardiopulmonary resuscitation training on adult knowledge and skills

Public title

the effect of basic cardiopulmonary resuscitation training on adult knowledge and skills

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Have the necessary mental and physical ability Complete the informed consent. Have 18 to 55 years old age. Have the ability to read and write. Willing to participate in research.

Exclusion criteria:

Previously, they have participated in a cardio pulmonary resuscitation study

Age

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

Gender

Both

Phase

N/A

Groups that have been masked

- Investigator
- Outcome assessor
- Data analyser

Sample size

Target sample size: **92**

Randomization (investigator's opinion)

Randomized

Randomization description

Sampling is done by multi-stage random sampling. First, they are selected by clustering of villages. Then, by stratified random sampling, the samples are selected according to the population of each village. Then, individuals are randomly assigned to 23 blocks of 4 and divided into control and experimental groups. So that the number of control and experiment groups in each village is equal.

Blinding (investigator's opinion)

Single blinded

Blinding description

in order to blind, the researcher assistant will perform the pre-test and post-test. The research assistant and the analysts do not know who the people are in the experimental and control groups.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Shiraz University of Medical Sciences

Street address

Central Building of the University of Medical sciences, Zand Ave, Shiraz, Iran

City

Shiraz

Province

Fars

Postal code

0098713451978

Approval date

2018-01-20, 1396/10/30

Ethics committee reference number

IR.SUMS.REC.1396.161

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

basic cardiopulmonary resuscitation

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Knowledge of basic cardiac- pulmonary resuscitation

Timepoint

Before the intervention, eight weeks after the intervention

Method of measurement

Basic cardiac pulmonary resuscitation of knowledge quiz

2**Description**

basic cardiopulmonary resuscitation skill

Timepoint

Before the intervention, eight weeks after the

Method of measurement

Basic Cardio-Pulmonary resuscitation skill Checklist

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Two hours of verbal training by lecture, question and answer, and video presentation of the basic cardiopulmonary resuscitation and 2 hours of practical training, including the presentation and practice of basic cardiopulmonary resuscitation on the Molasses, and debugging will be done.

Category

Other

2

Description

Control group: Not receive intervention

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

in rural center of Fars Koohmare Sorkhi Shoorab

Full name of responsible person

Zaman elh Hajinasab

Street address

Fatemeh Faculty of Nursing and Midwifery, Namazi Square, Shiraz, Iran

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zahaji713@gmail.com

Web page address

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Zaman elh Hajinasab

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Shiraz, Namazi Square, Faculty of Nursing and Midwifery, Faculty of Nursing and Midwifery, Shiraz University of Medical Sciences

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Web page address

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shiraz 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

Shiraz University of Medical Sciences

Full name of responsible person

Zaman elh Hajinasab

Position

Masters student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for updating data

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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

After completion of the study, if necessary, the encoded data will be published along with the article.

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

Yes - There is 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

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

Title and more details about the data/document

Abstract and references

When the data will become available and for how long

6 months after printing results

To whom data/document is available

Academic Researchers and Academic Institutes

Under which criteria data/document could be used

When referring to this research, mention the name of the researcher.

From where data/document is obtainable

Mailing address, or email address, and phone and fax numbers, Zaman elh HajiNasab

What processes are involved for a request to access data/document

First, the applicant requests an email or website or telephone number. It will be answered on demand within 2 months.

Comments

Please email as much as possible.