

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 Jun 2026

Comparison of the effect of basic cardiopulmonary resuscitation training in a demonstration and structured group method on the knowledge and skills of Red Crescent volunteers

Protocol summary

Study aim

Determining and comparing the effect of cardiopulmonary resuscitation training in a structured and structured group method on the knowledge, and skills of Red Crescent volunteers

Design

The study will be a semi-experimental intervention type. The current research will include two intervention groups of cardiopulmonary resuscitation training in a demonstrative and structured group method. In this research, random number table will be used. Using the purposeful sampling method, 72 people will be selected.

Settings and conduct

This is a semi-experimental research that will be conducted as a parallel intervention on Red Crescent volunteers of Abarkouh city in 2024. No blinding was used.

Participants/Inclusion and exclusion criteria

The research community will include all volunteers who will volunteer in the Red Crescent of Abarkouh in the summer of 2023. Inclusion criteria: Membership in the Red Crescent population and willingness to participate in the study, Lack of employment in the field of nursing and emergency medicine, Minimum education of the ninth grade Exclusion criteria: participation in similar educational programs, work experience in the field of cardiopulmonary resuscitation

Intervention groups

Training in a structured group method consists of 6 stages, which are: the first stage (overview), the second stage (silent demonstrations), the third stage (show with comments), the fourth stage (oral), the fifth stage (practice), the sixth stage (group exercise). The duration of the training is expected to last about 60 minutes, and students will be given the opportunity to exchange ideas and practice in small groups for up to 60 minutes. In the demonstration training, people are divided into groups of

18 people and the same material presented in the structured group method is taught by the instructor on the mannequin in a 60-minute session.

Main outcome variables

Knowledge; Skill

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20231129060221N1**

Registration date: **2023-12-18, 1402/09/27**

Registration timing: **registered_while_recruiting**

Last update: **2023-12-18, 1402/09/27**

Update count: **0**

Registration date

2023-12-18, 1402/09/27

Registrant information

Name

ismaeil abbaszadehmehrabadi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 35 3287 4680

Email address

e.abbaszadeh@stu.ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-10-23, 1402/08/01

Expected recruitment end date

2023-12-22, 1402/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of basic cardiopulmonary resuscitation training in a demonstration and structured group method on the knowledge and skills of Red Crescent volunteers

Public title

Comparison of the effect of basic cardiopulmonary resuscitation training in a demonstration and structured group method on the knowledge and skills of Red Crescent volunteers

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Membership in the Red Crescent population and willingness to participate in the study
Lack of employment in the field of nursing and emergency medicine
Minimum education of the ninth grade

Exclusion criteria:

Participation in similar training programs
Work experience in cardiopulmonary resuscitation

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **72**

Randomization (investigator's opinion)

Randomized

Randomization description

Randomization was done using random sequence generation (random number table type). A table of random numbers is a collection of numbers that are generated completely randomly without a specific pattern or order, which is in the form of a table. In order to use the table of random numbers, the researcher must first determine the direction of reading the table numbers (for example, up, down, left and right), the second assumption of the researcher is to consider the numbers for different groups (even numbers for the group A, and odd numbers for group B). Then the researcher puts his hand on one of the numbers and moves in one of the predetermined directions and records the numbers and assigns them to different groups.

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**

Shahid Sadoughi University of Medical Sciences

Street address

Bahonar Square, Shahid Sadoughi Blvd., Central Building of Shahid Sadoughi University of Medical Sciences, Yazd

City

Yazd

Province

Yazd

Postal code

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Approval date

2023-06-14, 1402/03/24

Ethics committee reference number

IR.SSU.REC.1402.024

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

The participants in this research do not have diseases and the purpose of this research will be to educate them.

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

Knowledge

Timepoint

Before and after the intervention

Method of measurement

Cardiopulmonary resuscitation questionnaire

2**Description**

Skill

Timepoint

Before and after the intervention

Method of measurement

Cardiopulmonary resuscitation skill checklist

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group 1: Training in a structured group method consists of 6 stages, which are: the first stage (overview), the second stage (silent demonstrations), the third stage (show with comments), the fourth stage (oral), the fifth stage (practice), the sixth stage (group exercise). The duration of the training is expected to last about 60 minutes, and students will be given the opportunity to exchange ideas and practice in small groups for up to 60 minutes.

Category

Treatment - Other

2

Description

Intervention group 2: In the demonstration training, people are divided into groups of 18 people and the same material presented in the structured group method is taught by the instructor on the mannequin in a 60-minute session.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Abarkouh Red Crescent

Full name of responsible person

Dr. Mustafa Javadi

Street address

Imam Ali Blvd

City

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Yazd

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8931734611

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HELALAHMARABARKOOH@YAHOO.COM

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Research Assistant of Shahid Sadougi University of Yazd

Street address

Shahid Sadoughi Blvd

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Yazd

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Email

dvc.research@ssu.ac.ir

Web page address

<https://research.ssu.ac.ir/>

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Yazd 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

Yazd University of Medical Sciences

Full name of responsible person

Ismail Abbaszadeh

Position

Trainer

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Dr. Mustafa Javadi

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Ismail Abbaszadeh

Position

Trainer

Latest degree

Master

Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

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

Study Protocol

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

Statistical Analysis Plan

Undecided - It is not yet known if there will be 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

No - There is not a plan to make this available

Analytic Code

Not applicable

Data Dictionary

No - There is not a plan to make this available