

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jun 2026

Comparison of the effect of basic cardiopulmonary resuscitation training using a five-stage and structured group method and an educational video on the knowledge and skills of high school students in Abarkoh city.

Protocol summary

Study aim

Determining and comparing the effect of basic cardiopulmonary resuscitation training in a five-step and structured group method and educational video on the knowledge and skills of high school students in Abarkoh city.

Design

The study will be a semi-experimental intervention type. The current research will include three intervention groups of cardiopulmonary resuscitation training in a 5-step and structured group method and an educational video. In the present study, the table of random numbers will be used. Using the purposeful sampling method, 108 people will be selected as a research sample.

Settings and conduct

This is a semi-experimental research that will be conducted as a parallel intervention on high school students in Abarkoh city in 1403. No blinding was used.

Participants/Inclusion and exclusion criteria

The research community will include all students who are studying in high schools in Abarkoh city in the winter of 1402. Entry criteria include willingness to participate in the study and non-participation in simultaneous revival programs. Participation in all face-to-face meetings and non-entry criteria include participation in similar educational programs And the work experience will be 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 (performance with comments), the fourth stage (oral), the fifth stage (practice), the sixth stage (group exercise). . 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.

A group was deleted in step 6 and does not exist in this group.

Main outcome variables

Knowledge; Skill

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20231129060221N3**

Registration date: **2024-02-07, 1402/11/18**

Registration timing: **registered_while_recruiting**

Last update: **2024-02-07, 1402/11/18**

Update count: **0**

Registration date

2024-02-07, 1402/11/18

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

2024-01-21, 1402/11/01

Expected recruitment end date

2024-03-20, 1403/01/01

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 using a five-stage and structured group method and an educational video on the knowledge and skills of high school students in Abarkoh city.

Public title
Comparison of the effect of basic cardiopulmonary resuscitation training using a five-stage and structured group method and an educational video on the knowledge and skills of high school students in Abarkoh city.

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
Willingness to participate in the study Simultaneous rehabilitation programs Participation in all face-to-face meetings. Participation in all face-to-face meetings

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: **108**

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
۸۹۱۶۹۷۸۴۷۷

Approval date
2023-07-29, 1402/05/07

Ethics committee reference number
IR.SSU.SPH.REC.1402.101

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: 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: : 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

Abarkoh high school schools

Full name of responsible person

Ismail Abbaszadeh Mehrabadi

Street address

Imam Ali Blvd

City

YAZD

Province

Yazd

Postal code

8931734611

Phone

+98 35 3283 8070

Email

HELALAHMARABARKOOH@YAHOO.COM

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Ismail Abbaszadeh Mehrabadi

Street address

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YAZD

Province

Yazd

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8916188637

Phone

+98 35 3628 8114

Email

dvc.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 Mehrabadi

Position

Trainer

Latest degree

Master

Other areas of specialty/work

Nursery

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Abarkoh, Mehrdasht, 4 Rajae St

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Person responsible for scientific inquiries

Contact

Name of organization / entity
Yazd University of Medical Sciences
Full name of responsible person
Ismail Abbaszadeh Mehrabadi
Position
Trainer
Latest degree
Master
Other areas of specialty/work
Nursery
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Abarkoh, Mehrdasht, 4 Rajae St
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Person responsible for updating data

Contact

Name of organization / entity
Yazd University of Medical Sciences
Full name of responsible person
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Position
Trainer
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Other areas of specialty/work
Nursery
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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

No - There is not 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