

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

Comparison of the effect of basic cardiopulmonary resuscitation training by the method of group educational and structured video using video self-assessment on the knowledge and skills of construction trade union workers

Protocol summary

Study aim

The purpose of this semi-experimental research is to compare the effect of basic cardiopulmonary resuscitation training using the method of group training and structured video using video self-assessment on the knowledge and skills of construction trade union workers.

Design

The clinical trial has a control group, with parallel groups, without blinding, randomized, with 2 groups of 36 people, and the rand function of Excel software will be used for randomization.

Settings and conduct

The study is of a semi-experimental type and will be conducted on the workers of Abarkoh trade union in the trade union's place. Blinding was not used.

Cardiopulmonary resuscitation training using a structured group method with video evaluation as the intervention group and training video in the control group.

Participants/Inclusion and exclusion criteria

Inclusion criteria: willingness to participate in the study; Age over 15 years. Exclusion criteria: work experience in the field of cardiopulmonary resuscitation; Participation in similar training programs

Intervention groups

In the method of structured group training using video self-evaluation, theoretical and practical training of cardiopulmonary resuscitation will be provided to the learners. Training in a structured group method using video self-evaluation includes 6 steps. The first stage (brief review), the second stage (silent demonstration), the third stage (show with comments), the fourth stage (oral), the fifth stage (exercise), the sixth stage (group exercise), the duration of the training is expected to last about 60 hours and Up to 60 minutes, students are given the opportunity to exchange ideas and practice in small

groups, and during the resuscitation operation, which lasts for 3 minutes, the video is taken of the individual and he is told to rate his performance according to the checklist.

Main outcome variables

Knowledge; Skill

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20231129060221N2**

Registration date: **2024-02-05, 1402/11/16**

Registration timing: **prospective**

Last update: **2024-02-05, 1402/11/16**

Update count: **0**

Registration date

2024-02-05, 1402/11/16

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

2024-04-08, 1403/01/20
Expected recruitment end date
2024-06-04, 1403/03/15
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 by the method of group educational and structured video using video self-assessment on the knowledge and skills of construction trade union workers

Public title
Comparison of the effect of basic cardiopulmonary resuscitation training by the method of group educational and structured video using video self-assessment on the knowledge and skills of construction trade union workers

Purpose
Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Age over 15 years Willingness to participate in the study

Exclusion criteria:

Participation in similar training programs Work experience in cardiopulmonary resuscitation

Age
From 15 years old

Gender
Male

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 72

Randomization (investigator's opinion)
Randomized

Randomization description
En 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

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

City

Yazd

Province

Yazd

Postal code

۸۹۱۶۹۷۸۴۷۷

Approval date

2023-07-29, 1402/05/07

Ethics committee reference number

IR.SSU.SPH.REC.1402.102

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 score using cardiopulmonary resuscitation questionnaire

Timepoint

Before and after the intervention

Method of measurement

Cardiopulmonary resuscitation questionnaire

2

Description

Skill score using cardiopulmonary resuscitation skill assessment checklist

Timepoint

After the intervention

Method of measurement

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: in the method of structured group training using video self-evaluation, theoretical and practical training of cardiopulmonary resuscitation will be provided to the learners. At first, people are divided into groups of 18 people. Training in a structured group method using video self-evaluation includes 6 steps. The first stage (brief review), the second stage (silent demonstration), the third stage (show with comments), the fourth stage (oral), the fifth stage (exercise), the sixth stage (group exercise), the duration of the training is expected to last about 60 hours and Up to 60 minutes, students are given the opportunity to exchange ideas and practice in small groups, and during the resuscitation operation, which lasts for 3 minutes, the video is taken of the individual and he is told to rate his performance according to the checklist.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Abarkoh Workers' Union

Full name of responsible person

Ismail Abbaszadeh Mehrabadi

Street address

Military

City

Abarkouh

Province

Yazd

Postal code

8931617764

Phone

+98 35 3283 0707

Fax

Email

abbaszade.esmaeel@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Dr. Amin Salehi

Street address

Shahid Sadoughi Blvd

City

Yazd

Province

Yazd

Postal code

8916188637

Phone

+98 35 3628 8114

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 Mehrabadi

Position

Trainer

Latest degree

Master

Other areas of specialty/work

Nursery

Street address

4th Shahid Rajaei St., Mehr Dasht, Abarkoh, Yazd

City

Mehrdasht

Province

Yazd

Postal code

8935118564

Phone

+98 35 3287 4680

Email

abbaszade.esmaeel@gmail.com

Person responsible for scientific

inquiries

Contact

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Ismail Abbaszadeh Mehrabadi

Position

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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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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