

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jun 2026

The effect of personalized video feedback of Basic Life Support on knowledge, performance and Satisfaction of nursing undergraduate students

Protocol summary

Study aim

The effect of personalized video feedback of Basic Life Support on knowledge , performance and Satisfaction of Aja nursing undergraduate students in 1402

Design

A randomized controlled trial with a control group and a two-group design (before and after the intervention), which was used to randomize the variable blocks in two groups.

Settings and conduct

After entering the study, students complete the written consent form, knowledge questionnaire, performance before the intervention based on the entry criteria. Then basic cardiopulmonary resuscitation is taught to the students. After training on the mannequin, filming is done in the control group with feedback. Instant, but in the intervention group, it is instant without feedback. 10 days later, knowledge, performance and satisfaction questionnaire will be measured. A month later, knowledge and performance will be measured again.

Participants/Inclusion and exclusion criteria

Inclusion criteria One semester nursing student: Not facing the process of cardiopulmonary resuscitation in the last six months: Not working in the health care sector: Obtaining a score less than 10 from the knowledge questionnaire and performance checklist: Exclusion criteria Absence of one session in each of the cardiopulmonary resuscitation training sessions: Unwillingness to continue cooperation in research

Intervention groups

Students of the intervention group will perform practical BLS training on the mannequin in one session for one and a half hours, and the instant feedback will be recorded with a camera. Then, the researcher will record and remind the necessary feedback regarding all possible mistakes and corrections, this time in the form of audio on the video.

Main outcome variables

Knowledge: performance: satisfaction

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230911059402N1**

Registration date: **2023-10-12, 1402/07/20**

Registration timing: **prospective**

Last update: **2023-10-12, 1402/07/20**

Update count: **0**

Registration date

2023-10-12, 1402/07/20

Registrant information

Name

Habibeh Mohsenzadeh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 71 3721 6727

Email address

habibehmz86@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-10-22, 1402/07/30

Expected recruitment end date

2024-01-20, 1402/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
The effect of personalized video feedback of Basic Life Support on knowledge, performance and Satisfaction of nursing undergraduate students

Public title
The effect of personalized video feedback of Basic Life Support on knowledge, performance and Satisfaction

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
First semester nursing student Not facing the process of cardiopulmonary resuscitation during the last six months
Not working in the medical services sector Getting a score less than 10 from the knowledge questionnaire and performance checklist
Exclusion criteria:
Health problems and pregnancy that can limit physical performance being nurse's aide

Age
From **18 years** old to **30 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **40**

Randomization (investigator's opinion)
Randomized

Randomization description
According to the entry criteria, the students are randomly assigned to the variable block method (if A: intervention group, B: control group, so there will be six different states for blocks of 4: 1. AABB2. ABAB 3. ABBA 4. BBAA 5. BABA 6. BAAB, which blocks can be written on paper and taken from inside the bag) will be distributed in two groups. In this way, after explaining the method and objectives of the study to the students and obtaining informed consent from them, randomly Two intervention and control groups are allocated. In this way, the first student will be in the intervention group and the second student will be in the control group, and the same will be observed until the last student.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Other

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Army Medical Sciences University

Street address

Tehran-West Fatemi St.-end of Etemad Zadeh St.-Aja University of Medical Sciences

City

Tehran

Province

Tehran

Postal code

1411718541

Approval date

2023-09-27, 1402/07/05

Ethics committee reference number

IR.AJAUMS.REC.1402.121

Health conditions studied

1

Description of health condition studied

Basic Life Support

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

knowledge

Timepoint

Measuring knowledge at the beginning of the study (before the intervention), 10 days and one month after the intervention

Method of measurement

Knowledge questionnaire

2

Description

Performance

Timepoint

Performance measurement at the beginning of the study (before the intervention), 10 days and one month after the intervention

Method of measurement

Performance checklist

3

Description

satisfaction

Timepoint

Measuring satisfaction 10 days after the intervention

Method of measurement

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Students of the intervention group will do BLS practical training on a mannequin in one session for one and a half hours. Then, as a final exercise, BLS will be performed on the mannequin, so that the entire final exercise process of the intervention group students will be recorded by a camera with instant feedback. And after the end of the exercise, the researcher will watch the video of each student's exercise and will again record the necessary feedback regarding all the strengths and weaknesses, mistakes and possible corrections, carefully and in detail, this time in the form of sound on the video. and the points necessary to improve their performance will be mentioned. After that, the practice video of each student will be provided to the students with personalized feedback from the researcher.

Category

Rehabilitation

2

Description

Control group: Control group: in the control group, after an hour and a half of practical training on the mannequin, all the students of this group will perform the final BLS exercise on the mannequin, and filming of each student will be done individually, with the difference that the researcher at the same moment He will give immediate feedback to the listener and explain the wrong points in the listener's performance instantly and face to face, but the voiceover will not be done on the video.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Aja College of Nursing

Full name of responsible person

Hbibeh Mohsenzadeh

Street address

Shariati St. - Kaj St. - next to family hospital

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1613918661

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habibehmz86@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Artesh University of Medical Sciences

Full name of responsible person

Dr. Reza Mosaed Ronkiani

Street address

Tehran-West Fatemi St.-end of Etemad Zadeh St.-Aja University of Medical Sciences

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Artesh 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

Artesh University of Medical Sciences

Full name of responsible person

Habibeh Mohsenzadeh

Position

Special care master's student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

Street address

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Artesh University of Medical Sciences

Full name of responsible person

Effat Afaghi

Position

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Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for updating data

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Latest degree

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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

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

Analytic Code

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

Data Dictionary

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