

# 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

##### City

Tehran

##### Province

Tehran

##### Postal code

1613918661

##### Phone

+98 21 7750 0929

##### Email

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

##### City

Tehran

##### Province

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##### Phone

+98 21 8802 8350

##### Email

habibehmz86@gmail.com

#### 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

Tehran, West Fatemi St., end of Etemad Zadeh St.,

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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**

the coach

**Latest degree**

Master

**Other areas of specialty/work**

Nursery

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afaghi8181@gmail.com

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**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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**Postal code**

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**Email**

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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