Clinical Trial Protocol
Iranian Registry of Clinical Trials

11 Nov 2026

Comparison of the Effect of Teaching by Speech and Simulation on the Clinical Skills of the Emergency Medical technician in the Care of the Traumatic Patients

Protocol summary

Study aim

Determination of the Effect of Education on Speech and Simulation Methods on the Clinical Skills of the Emergency Personnel in the Caring of Traumatic Patients

Design

A clinical trial with a sample size of 40 people, with a control group with a parallel group, without blindness, was randomized using randomized block method using random numbers table

Settings and conduct

The research is an applied one and the research environment will be the center of Jahrom's Emergency Medicine. This experimental study will be carried out on 40 emergency operation staff who will be randomly divided into two groups. The first group will be delivered by lecture method and in the second group Simulation is done and after the practical test, the results of both groups will be compared.

Participants/Inclusion and exclusion criteria

*Inclusion criteria: Having a higher degree in nursing or medical emergencies, having at least one year of experience at the Jahrom Medical Emergency Center, working in the field of operations, has a warrant such as a plan, pseudo-pact, contractual, formal and contractual, non-participation in PHTLS training courses in the past three months. *Exclusion criteria: Failure to co-operate with the sample to continue the study or any problem or adventure that results in their absence from the training sessions. Emergency medical personnel are disadvantaged for any reason (leave, death, transfer)

Intervention groups

In this study, there will be two groups of intervention and control. Participants in the intervention group will be trained according to the simulated training package, but in the control group the training will be delivered in the form of a lecture.

Main outcome variables

Clinical skill score

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20141102019785N3**
Registration date: **2019-02-27, 1397/12/08**
Registration timing: **retrospective**

Last update: **2019-02-27, 1397/12/08**
Update count: **0**

Registration date

2019-02-27, 1397/12/08

Registrant information

Name

mohammad parvaresh masoud

Name of organization / entity

Qom University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 37729595

Email address

mparvaresh@muq.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-02-09, 1397/11/20

Expected recruitment end date

2019-02-14, 1397/11/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the Effect of Teaching by Speech and Simulation on the Clinical Skills of the Emergency Medical technician in the Care of the Traumatic Patients

Public title

The Effect of Teaching by Speech and Simulation on the Clinical Skills of the Emergency Medical Staff

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Have higher degrees and higher in nursing or medical emergencies. Have at least one year of experience at Jahrom's Emergency Medical Center. Currently working in the Jahrom Medical Management and Emergency Management Center, with a mandate, including a plan, pseudo-pact, contract, formal and contractual. During the past three months, they did not attend PHTLS training courses or retraining.

Exclusion criteria:

Not cooperating with staff to continue studying or any problem or adventure that results in their absence from study sessions or study periods. Emergency medical staff will be disadvantaged for any reason (leave, death, transfer)

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

Randomized

Randomization description

To randomly assign individuals to groups, a random block method and a random number table will be used.

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

Ethics committee of qom University of Medical Sciences

Street address

Al Ghadir Blvd, Faculty of Paramedicine, Qom University of Medical Sciences

City

qom

Province

Ghoum

Postal code

3713649373

Approval date

2018-07-31, 1397/05/09

Ethics committee reference number

IR.MUQ.REC.1397.078

Health conditions studied

1

Description of health condition studied

simulation education

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Clinical Skill Score

Timepoint

Before starting the study, immediately after and one month after the intervention

Method of measurement

Medical Emergency Staff Clinical Skills Assessment Checklist

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the intervention group based on the clinical skill checklist, a first practical test will be taken from the participants to determine their level of clinical skill. Subsequently, the intervention will be conducted as a 6-hour training course for the trauma patient to be conducted in a simulation manner. In this way, the teacher will provide learners with explanations and training on the basis of educational content, using the patient and the mogul. The practitioners can take part in the training themselves and take practical steps. One month later, after the end of the course, again A

practical test similar to the pre-test condition will be held which will score the clinical skill of Shrek The average score of this group will be compared with the control group based on statistical tests.

Category

N/A

2

Description

Control group: In the control group before the start of the course, the participants will be taken on the basis of the checklist presented in the pre-test research. Subsequently, the teacher will provide training using the slides and theoretical classroom tutorial based on the content of the class. One month after the course participants are required to attend the post-test and their clinical skill score will be obtained. Based on the statistical tests, the mean scores of this group will be compared with the intervention group.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

مرکز مدیریت و فوریت های پزشکی جهرم

Full name of responsible person

مهسا رحیم خانلی

Street address

azadegan

City

jahrom

Province

Fars

Postal code

7417957194

Phone

+98 71 5444 5115

Email

m.rahimkhanli69@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ghoum University of Medical Sciences

Full name of responsible person

Dr. Saghafi

Street address

saheli Blvd, Qom University of Medical Sciences

City

qom

Province

Ghoum

Postal code

3713649373

Phone

+98 25 3107 1312

Email

m.rahimkhanli69@gmail.com

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Ghoum University of Medical Sciences

Proportion provided by this source

20

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

Ghoum University of Medical Sciences

Full name of responsible person

mohammad parvaresh masoud

Position

teacher

Latest degree

Bachelor

Other areas of specialty/work

Nursery

Street address

Al Ghadir Blvd, School of Pirae Medical Qom

City

qom

Province

Ghoum

Postal code

3713649373

Phone

+98 25 3320 9123

Email

m_parvaresh_m@yahoo.com

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ghoum University of Medical Sciences

Full name of responsible person

mohammad parvaresh masoud

Position

teacher

Latest degree

Master

Other areas of specialty/work

Nursery

Street address

Saheli st.Qom University of Medical Sciences qom qom Iran, Islamic Republic Of

City

qom

Province

Ghoum

Postal code

3713649373

Phone

+98 25 3772 9595

Fax

Email

mparvaresh@muq.ac.ir

Person responsible for updating data

Contact

Name of organization / entity

Ghoum University of Medical Sciences

Full name of responsible person

mohammad parvaresh masoud

Position

teacher

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Fax

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mparvaresh@muq.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

No more information

Study Protocol

No - There is not 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