Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of multimedia content and social networking with face to face training on emergency technicians' knowledge and practice about ambulance services for pregnant women in Kermanshah province

Protocol summary

Study aim
Comparison of multimedia content and social networking with face to face training on emergency technicians' knowledge and practice about ambulance services for pregnant women in Kermanshah province.

Design
A randomized clinical trial with parallel groups. Sample size : 112.

Settings and conduct
1- Study area: Medical emergency center in Javanrood 2- Blinding have not been implemented

Participants/Inclusion and exclusion criteria
Inclusion criteria: volunteer emergency technicians; access to internet; owning smartphones with Whats app. Non-inclusion criteria:Previous participation in a similar training program in the past year.

Intervention groups
Intervention group 1: Electronic training group via multimedia content and use of watts app social networking . In this group, a multimedia educational content will be produced using storyline software. The content will be delivered to participants via CD; in addition, interactions among participants and educator will be managed by watts app group. Intervention group 2: face to face education group via lecture accompanied by power-point, film, image and educational mannequin.

Main outcome variables
Knowledge; practice of emergency technicians

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20171125037620N4**
Registration date: **2019-12-09, 1398/09/18**
Registration timing: **prospective**
Last update: **2019-12-09, 1398/09/18**
Update count: **0**

Registration date
2019-12-09, 1398/09/18

Registrant information

Name
Mitra Gharib

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 21 4203 6001

Email address
gharibmi@sina.tums.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2019-12-16, 1398/09/25

Expected recruitment end date
2020-01-15, 1398/10/25

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Comparison of multimedia content and social networking with face to face training on emergency technicians' knowledge and practice about ambulance services for pregnant women in Kermanshah province

Public title
Comparison of multimedia with face to face training on emergency technicians' knowledge and practice about

ambulance services for pregnant women

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Volunteer emergency technicians Access to internet Owning smartphones with Whats app

Exclusion criteria:

Previous participation in a similar training program in the past year

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **112**

Randomization (investigator's opinion)

Randomized

Randomization description

The sample will be selected from volunteer emergency technicians working in Kermanshah province. Study participants will be randomly assigned to multimedia or face to face training method group using a lottery process.

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 Tehran University of Medical Sciences

Street address

Tehran University of Medical Sciences, Keshavarz Blvd. Tehran Iran

City

Tehran

Province

Tehran

Postal code

1417653761

Approval date

2019-10-20, 1398/07/28

Ethics committee reference number

IR.TUMS.VCR.REC.1398.634

Health conditions studied

1

Description of health condition studied

Training and in-service education of emergency technicians

ICD-10 code

Z55.9

ICD-10 code description

Problems related to education and literacy

2

Description of health condition studied

ambulance services for pregnant women

ICD-10 code

Z33

ICD-10 code description

Pregnant state

Primary outcomes

1

Description

Emergency technicians' knowledge about ambulance services for pregnant women

Timepoint

After training

Method of measurement

Questionnaire

2

Description

Emergency technicians' practice about ambulance services for pregnant women

Timepoint

After training

Method of measurement

Clinical exam checklist

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: For the E-content group, the educational content about ambulance services for pregnant women will be designed and produced. The multimedia content will be distributed via CD for the use of technicians in this group. Furthermore a Whats app group will be activated for interactions among participants and educator.

Category

Other

2

Description
Control group: For the face to face group, the educational content about ambulance services for pregnant women will be presented in a face to face format via lecture accompanied by power-point, film, image and educational mannequin.
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Javanrood medical emergency center
Full name of responsible person
Zahed Manochehri
Street address
Medical emergency center, Phase 2, Bimarestan ave. Javanrood
City
Javanrood
Province
Kermanshah
Postal code
6798148775
Phone
+98 83 4622 6956
Email
cr7zahedam@gmail.com

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Mehrshad Mokhtaran
Street address
No2, Dolatshahi closed alley, Naderi St., Keshavarz Blvd
City
Tehran
Province
Tehran
Postal code
1416614741
Phone
+98 21 4203 6001
Email
mehrshad.mokhtaran@gmail.com
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tehran 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
Kermanshah University of Medical Sciences
Full name of responsible person
Zahed Manochehri
Position
Medical emergency technician
Latest degree
Bachelor
Other areas of specialty/work
Medical emergency
Street address
Medical emergency center, Phase 2, Bimarestan ave. Javanrood
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Person responsible for scientific inquiries

Contact
Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Mitra Gharib
Position
Assistant professor
Latest degree
Ph.D.
Other areas of specialty/work
Distance Education planning
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No2, Dolatshahi dead end, Naderi St., Keshavarz BLVD, Tehran. Iran
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Tehran
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Tehran
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Email

gharibmi@sina.tums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Zahed Manochehri

Position

Medical emergency technician

Latest degree

Bachelor

Other areas of specialty/work

Medical emergency

Street address

Medical emergency center, Phase 2, Bimarestan ave. Javanrood

City

Javanrood

Province

Kermanshah

Postal code

6798148775

Phone

+98 83 4622 6956

Email

cr7zahedam@gmail.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

The questionnaire, checklist and the survey results about technicians' knowledge and practice will be published in a scientific (Either Farsi or English language) journal

When the data will become available and for how long

Access to data will be possible after the publication of the article in a scientific journal

To whom data/document is available

Researchers practicing in universities or academic institutions can have access to data

Under which criteria data/document could be used

Researchers can use the questionnaire and checklist for similar research

From where data/document is obtainable

Researchers can reach us via the following contact details. Address: No2, Dolatshahi dead end, Naderi St., Keshavarz BLVD, Tehran, Iran Postal Code: 1416614741 Tel: +98 21 4203 6001

What processes are involved for a request to access data/document

15 days after receiving a written request from a researcher, the requested data will be emailed to him/her

Comments