

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jul 2026

The effect of using the cardiopulmonary resuscitation algorithm on the stress and satisfaction, s rate of 115 emergency staff in Shiraz

Protocol summary

Study aim

Determining the Effect of Using the Cardiopulmonary Resuscitation Operations Algorithm on the Stress and Satisfaction of Emergency Staff of Shiraz Emergency Response Center in Cardiopulmonary Resuscitation

Design

A clinical trial with a test and control group is simple randomized.

Settings and conduct

The 20 bases with the highest number of cardiopulmonary resuscitation are selected, which are divided into 10 bases as test groups and 10 other bases as a control group randomly. Illustrated algorithm prepared in sheets of appropriate size for the test group in the rear cabin of the ambulance (A3), inside the base (one on one and a half banner), on the bag of pharmaceutical equipment (A4), an ambulance front cabin (A5) And on the echo machine (A5), as well as for the control group, an unwritten and written normal algorithm is said to be the same size, and the algorithm sheets are provided at the same places.

Participants/Inclusion and exclusion criteria

Criteria for entering the study: 1) The age of the patients on whom the recovery is performed is at least 18 years. 2) Emergency technicians who perform the resuscitation operation have at least 2 years of work experience in the emergency department. Exit criteria: 1) Cardiopulmonary resuscitation operations carried out by a technician behind the ambulance.

Intervention groups

Using the illustrated algorithm of cardiopulmonary resuscitation in the intervention group and writing algorithm in the control group.

Main outcome variables

Pulmonary cardiopulmonary resuscitation algorithm consists of stages of revitalization that is provided in an illustrated manner. Staff stress is the amount of stress that the staff during the recovery process is assessed using the perceived stress questionnaire completed by

the staff after the recovery operation. Surveying the satisfaction level after resuscitation by using satisfaction questionnaire.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20171104037214N2**

Registration date: **2019-04-22, 1398/02/02**

Registration timing: **retrospective**

Last update: **2019-04-22, 1398/02/02**

Update count: **0**

Registration date

2019-04-22, 1398/02/02

Registrant information

Name

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 71 4449 2153

Email address

a.azadeh@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-07-23, 1397/05/01

Expected recruitment end date

2018-11-22, 1397/09/01

Actual recruitment start date

2018-08-06, 1397/05/15

Actual recruitment end date

2019-03-16, 1397/12/25

Trial completion date

2019-05-10, 1398/02/20

Scientific title

The effect of using the cardiopulmonary resuscitation algorithm on the stress and satisfaction.s rate of 115 emergency staff in Shiraz

Public title

The effect of using the cardiopulmonary resuscitation algorithm on the stress and satisfaction

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

The age at which the recovery is performed is at least 18 years. Emergency technicians performing a resuscitation operation have at least 2 years of work experience in the emergency room.

Exclusion criteria:

Pulmonary cardiopulmonary resuscitation operations carried out by a technician behind the ambulance.

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **80**

Actual sample size reached: **80**

Randomization (investigator's opinion)

Randomized

Randomization description

From twenty bases selected for the study were ten randomly selected as the experimental group and ten bases as control group.

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 Shahid Sadoughi University of Medical Sciences, Yazd

Street address

Bahonar Square. Central office of Shahid Sadoughi

University of Medical Sciences, Yazd

City

Yazd

Province

Yazd

Postal code

7375136337

Approval date

2018-06-26, 1397/04/05

Ethics committee reference number

IR.SSU.REC.1397.044

Health conditions studied**1****Description of health condition studied**

The Effect of Using the Illustrative Algorithm on Cardio-pulmonary Coronary Artery Resuscitation (ERP) on stress and satisfaction of emergency staff of 115 in the experimental group and writing algorithm in the control group

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Staff stress is the amount of stress that the staff during the recovery process is assessed using the perceived stress questionnaire completed by the staff after the recovery operation. Surveying the satisfaction level after resuscitation by using satisfaction questionnaire

Timepoint

Measuring the level of stress and satisfaction of the staff according to the questionnaires provided to them after completing the questionnaires, which should be completed immediately after any cardiovascular resuscitation.

Method of measurement

Stress measurement by perceived stress questionnaire and satisfaction with Satisfaction questionnaire, consensus questionnaire SPSQ

Secondary outcomes

empty

Intervention groups**1****Description**

First intervention group: Using the Illustrated Pulmonary Heart Recovery algorithm in tabs of appropriate size for the test group in the rear cabin of the ambulance (A3), inside the base (one on one and a half banner), on the box of pharmaceutical equipment (A4), the front cabin Ambulance (A5) and on the ect. A5 machine.

Category

Other

2

Description

Second intervention group: Unusual and written normal algorithm in tabs of appropriate size in the rear cabin of the ambulance (A3), inside the base (one on one and a half banner), on the box of pharmaceutical equipment (A4), front cabin Ambulance (A5) and on the ect. A5 machine.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Emergency stations of Shiraz

Full name of responsible person

Abdol reza azadeh

Street address

First Floor,Bahari Building 1,Eastern Sinai Street,
Janbazan Boulevard,

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Dr. Massoud Mirzaei

Street address

Bahonar Square, Central Building of Yazd University
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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

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

Zohreh Kalani

Position

Associate Professor

Latest degree

Master

Other areas of specialty/work

Nursery

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Contact

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Position

Associate Professor

Latest degree

Master

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity
Yazd University of Medical Sciences
Full name of responsible person
Abdolreza azadeh
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Latest degree
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Nursery
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Janbazan Boulevard, Eastern Sinai Street, Bahari
Building 1, First Floor
City
Shiraz
Province

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

Because I am a graduate student and I do not plan to publish it right now.

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable