

Clinical Trial Protocol

Iranian Registry of Clinical Trials

23 Jun 2026

The effect of education of problem-solving method on decision making and creativity in medical emergency students of Saveh Medical University

Protocol summary

Study aim

Determining the effect of problem-solving education on the decision making and creativity of medical emergencies students

Design

Randomized clinical trial with control group, parallel groups, one blind, randomized, randomized.

Settings and conduct

The present study will be conducted at University of Medical Sciences of Saveh and on the students of Emergency Medicine. The analyzer will not know how to place the samples in the intervention and control group.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Medical Emergency Student, willingness to participate in the study Exclusion criteria: Unwilling to participate, Get a guest or transiation of Student, absence at educatin sessions

Intervention groups

For the interventions group, measures related to the problem-solving education in 8 sessions of two hours over a period of 8 weeks. For the control group, samples are in normal condition and training is not done.

Main outcome variables

Decision making; creativity

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180828040891N1**

Registration date: **2018-09-19, 1397/06/28**

Registration timing: **retrospective**

Last update: **2018-09-19, 1397/06/28**

Update count: **0**

Registration date

2018-09-19, 1397/06/28

Registrant information

Name

neda fayazi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 86 4234 3395

Email address

n.fayazi@savehums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-08-07, 1396/05/16

Expected recruitment end date

2017-10-08, 1396/07/16

Actual recruitment start date

2017-08-07, 1396/05/16

Actual recruitment end date

2017-10-08, 1396/07/16

Trial completion date

2017-10-08, 1396/07/16

Scientific title

The effect of education of problem-solving method on decision making and creativity in medical emergency students of Saveh Medical University

Public title

Effect of education of problem-solving on decision making and creativity in medical emergency students

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

The willingness to collaborate in the study Medical Emergency Student

Exclusion criteria:

Surrender Student Transition to another university Get a

guest in another university Absence in education sessions

Age

From **18 years** old

Gender

Male

Phase

N/A

Groups that have been masked

- Data analyster

Sample size

Target sample size: **50**

Actual sample size reached: **50**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

The analyzer will not know how to place the samples in the intervention and control group.

Placebo

Not used

Assignment

Parallel

Other design features

Samples were randomly assigned to two intervention and control groups using randomized block assignment.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Saveh University of Medical Sciences

Street address

Saveh University of Medical Sciences, Mother's Square, Jomhour St.

City

saveh

Province

Markazi

Postal code

3919676651

Approval date

2017-10-08, 1396/07/16

Ethics committee reference number

IR.SAVEHUMS.REC1396.48

Health conditions studied

1

Description of health condition studied

Decision making

ICD-10 code

ICD-10 code description

2

Description of health condition studied

Creativity

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Decision making

Timepoint

Before the study and two months after the first day of the intervention

Method of measurement

Scott & Bruce Decision Questionnaire

2

Description

creativity

Timepoint

Before the study and two months after the first day of the intervention

Method of measurement

60 matters of creativity Abedi Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Training of problem solving methods will be provided from the first day of the sample selection for 8 weeks and once a week, during the two-hour sessions.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Saveh University of Medical Sciences

Full name of responsible person

Neda Fayazi

Street address

Saveh University of Medical Sciences, Kaveh Industrial City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Saveh University of Medical Sciences
Full name of responsible person
Hamid Reza Baradaran
Street address
Saveh University of Medical Sciences, Mother's
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Email
nedafayazi10@yahoo.com
Grant name
Grant code / Reference number
**Is the source of funding the same sponsor
organization/entity?**
Yes
Title of funding source
Saveh 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
Saveh University of Medical Sciences
Full name of responsible person
Neda Fayazi
Position
هیئت علمی
Latest degree
Master

Other areas of specialty/work

Nursery
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Person responsible for updating data

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Email

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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

Not applicable

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

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

Part of the data, such as information on the main outcome and the demographic information, can be shared after unidentifiable people.

When the data will become available and for how long

The beginning of the access period is 12 months after the results are published.

To whom data/document is available

For all researchers

Under which criteria data/document could be used

In order to utilize scientific purposes and mention the source used

From where data/document is obtainable

Neda Fayazi nedafayazi10@yahoo.com

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

After receiving the email from the requestor, the information will be sent within 4 to 5 business days.

Comments