

# 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 analyser

## 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, Jomhuri 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

##### City

Saveh  
**Province**  
Markazi  
**Postal code**  
3915953983  
**Phone**  
+98 86 4234 3395  
**Email**  
nedafayazi10@yahoo.com

## 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  
Square, Jomhuri St.  
**City**  
Saveh  
**Province**  
Markazi  
**Postal code**  
3915953983  
**Phone**  
+98 86 4234 3395  
**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  
**Street address**  
Saveh University of Medical Sciences, Mother's  
Square, Jomhuri St.  
**City**  
Saveh  
**Province**  
Markazi  
**Postal code**  
3915953983  
**Phone**  
+98 86 4234 3395  
**Email**  
nedafayazi10@yahoo.com

## Person responsible for scientific inquiries

#### Contact

**Name of organization / entity**  
Saveh University of Medical Sciences  
**Full name of responsible person**  
Neda Fayazi  
**Position**  
Faculty Member  
**Latest degree**  
Master  
**Other areas of specialty/work**  
Nursery  
**Street address**  
Saveh University of Medical Sciences, Mother's  
Square, Jomhuri St.  
**City**  
Saveh  
**Province**  
Markazi  
**Postal code**  
3915953983  
**Phone**  
+98 86 4234 3395  
**Email**  
nedafayazi10@yahoo.com

## Person responsible for updating data

#### Contact

**Name of organization / entity**  
Saveh University of Medical Sciences  
**Full name of responsible person**  
Neda Fayazi  
**Position**  
Faculty Member  
**Latest degree**  
Master  
**Other areas of specialty/work**  
Nursery  
**Street address**  
Saveh University of Medical Sciences, Mother's  
Square, Jomhuri St.  
**City**  
Saveh

**Province**

Markazi

**Postal code**

3915953983

**Phone**

+98 86 4234 3395

**Email**

nedafayazi10@yahoo.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**

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**