Clinical Trial Protocol
Iranian Registry of Clinical Trials

11 Nov 2026

The effect of simulation training method on operating room student's anxiety during the apprenticeship time

Protocol summary

Summary

The aim of this study is to evaluate the effect of training on operating room students' anxiety during the apprenticeship time. This study is a clinical trial. The research community is formed by all the operating room undergraduate students of Semnan University of Medical Sciences. The main criterion for inclusion is the selection of training unit of the operating room. The main exclusion criterion of the study is anxiety disorders. At the beginning one of the periods engaged in studying the operating room course will be randomly selected. Sampling was census and all students in the selected course will form a sample. At first and at the beginning of the semester, the students' anxiety will be measured using the Spielberg anxiety questionnaire. Then the students were randomly divided into two groups of intervention and control in 10 people. At the beginning of the semester the training simulation will be run for the intervention group for two days. In the control group, the students will present in the training environment like past routine. In the first day of training the students' anxiety will be assessed after the execution of simulation training in the intervention group and in the first day of apprenticeship in the control group before surgery. Also the students' anxiety will be assessed on the fifth and final day of training. Then the anxiety levels of the students in the two groups will be compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016021811399N3**
Registration date: **2016-03-10, 1394/12/20**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2016-03-10, 1394/12/20

Registrant information

Name
Abbasali Ebrahimian
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 25 3107 1082
Email address
ebrahimian.aa@gmail.com

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Semnan University of Medical Sciences

Expected recruitment start date

2016-09-22, 1395/07/01

Expected recruitment end date

2017-01-20, 1395/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of simulation training method on operating room student's anxiety during the apprenticeship time

Public title

The effect of simulation training method on student's anxiety

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: willingness to participate in the study;

completing the informed consent form; the selection of the training unit of the operating room; lack of exposure to severe anxiety disorders according to the student's statements; lack of employment in the operating room and other hospital wards. Exclusion criteria: diagnosis of anxiety disorders in the first anxiety study; reluctance to continue working.

Age
From **18 years** old to **22 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **22**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
In this study, training will be done by simulation method based on the students' curriculum in Clinical Skills Center operating room of Semnan Medical Sciences University.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethic committee of Semnan University Of Medical sience

Street address
Vice chancellor for research, Semnan University of Medical Sciences, Basij Blvd

City
Semnan

Postal code

Approval date
2016-02-09, 1394/11/20

Ethics committee reference number
IR.SEMUMS.REC.1394.155

Health conditions studied

1

Description of health condition studied
The effect of simulation training

ICD-10 code
Unspecifie

ICD-10 code description
Z55.9

Primary outcomes

1

Description
Anxiety

Timepoint
Beginning of the study, the fifth day of training, the last day of training

Method of measurement
Spielberger questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
In the intervention group, the students will be trained in the simulation at the beginning of the semester and before going to the operating room based on their educational curriculum for two days (12 hours). The learning environment looks like a real operating room and the Master performs four selected surgeries from beginning to end based on educational curriculum and the students will be asked to complete their tasks in this surgeries.

Category
Other

2

Description
In the control group, the students go to the operating room like the prior semesters in the first day of training and will face with the actual surgery directly.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
The School of Nursing and Allied Health

Full name of responsible person
Dr Mohsen Solimani

Street address
School of Nursing and Allied Health Sciences, Km5 Damghan Road

City
Semnan

2

Recruitment center

Name of recruitment center
Kowsar Hospital

Full name of responsible person
Dr Darush Pahlevan

Street address
1 th Floor, Vice chancellor for research, Kosar Hospital, Basij Blvd

City
Semnan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancellor for research, Semnan University of Medical Sciences

Full name of responsible person
Dr Ali Rashidi-Pour

Street address
Vice chancellor for research, Semnan University of Medical Sciences, Basij Blvd

City
Semnan

Grant name

Grant code / Reference number

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

Title of funding source
Vice chancellor for research, Semnan University of Medical Sciences

Proportion provided by this source
100

Public or private sector
empty

Domestic or foreign origin
empty

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
empty

Person responsible for general inquiries

Contact

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Fateme Kohsarian

Position
BS Student of operating room

Other areas of specialty/work

Street address
Student Research Committee, 1th floor, School of Nursing and Allied Health Sciences, Semnan University of medical Sciences, Km5 Damghan Road

City
Semnan

Postal code

Phone
+98 23 3365 4190

Fax

Email
f.kohsariyan@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Abbasali Ebrahimian

Position
PhD of Health in Emergencies and Disasters

Other areas of specialty/work

Street address
Room #120, 1th floor, School of Nursing and Allied Health Sciences, Semnan University of medical Sciences, Km5 Damghan Road

City
Semnan

Postal code

Phone
+98 23 3365 4191

Fax

Email
aa.ebrahimian@semums.ac.irebrahimian.aa@gmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Abbasali Ebrahimian

Position
Faculty member of Semnan University of medical Sciences

Other areas of specialty/work

Street address
Room #120, 1th floor, School of Nursing and Allied Health Sciences, Semnan University of medical Sciences, Km5 Damghan Road

City
Semnan

Postal code

Phone
00

Fax

Email

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty
Study Protocol
empty
Statistical Analysis Plan
empty
Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty
Data Dictionary
empty