Clinical Trial Protocol
Iranian Registry of Clinical Trials

12 Nov 2026

The effect of preceptorship program on clinical competency and rate of satisfaction in undergraduate operating room students

Protocol summary

Study aim
Determine the Effect of Preceptor Program Implementation on the Clinical Competency and Satisfaction of the students in the operating room

Design
The population is all undergraduate students in the operating room of Bojnourd University of Medical Sciences.The students will be randomly divided into two groups of exam (prescriptive) and control (routine), according to Lists of last year students of internship, randomly, the pair numbers of this list are in the control group and the odd numbers in the test group.

Settings and conduct
both groups completed the Clinical Competency and Satisfaction Questionnaire. Then, in the test group, a preceptor program is run for two months. The questionnaires are again compared to the two groups in two groups and the two groups are compared.

Participants/Inclusion and exclusion criteria
Criteria for entering 1. Inclination to participate in the study -2 undergraduate student in the operating room -3 Students of Bojnourd University of Medical Sciences Exit criteria 1. Dissatisfaction with collaboration with research for any reason 2. Pass any training course related to study objectives 3. Guest or transfer student

Intervention groups
Intervention group: In this study, practitioners of the operating room are acting as perceptors control group Students will be trained on a regular basis with a faculty trainer

Main outcome variables
effective monitoring of the preceptor and his supporting role and feedback during the learning process - learning leads to improved student satisfaction and Educators and enhances students' ability to perform in clinical practice.

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20140305016852N3**
Registration date: **2018-05-28, 1397/03/07**
Registration timing: **registered_while_recruiting**

Last update: **2021-01-25, 1399/11/06**
Update count: **1**

Registration date
2018-05-28, 1397/03/07

Registrant information
Name
somayyeh nayyeri
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 51 5222 9202
Email address
s.nayyeri86@yahoo.com

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2018-05-22, 1397/03/01
Expected recruitment end date
2018-08-22, 1397/05/31
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title

The effect of preceptorship program on clinical competency and rate of satisfaction in undergraduate operating room students

Public title
The effect of preceptorship on clinical competency and rate of satisfaction in students
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Continuing undergraduate students in the operating room The minimum preceptor has a clinical experience of 6 years The desire to participate in the study
Exclusion criteria:
Guest or transfer student To conduct any study course related to study objectives
Age
From **18 years** old to **24 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **30**
Randomization (investigator's opinion)
Randomized
Randomization description
According to the student list, the pair numbers are in the control group and the odd numbers in the test group
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Single
Other design features
-

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of sabzevar university of medical sciences
Street address
University Campus Building, Above the Millennium of Anonymous Martyrs, Tohid Shahr Blvd.,
City
sabzevar
Province
Razavi Khorasan
Postal code
9613873136
Approval date
2018-05-09, 1397/02/19
Ethics committee reference number
IR.MEDSAB.REC.1397.007

Health conditions studied

1

Description of health condition studied
Preceptorship, operating room, satisfaction, clinical competency
ICD-10 code
-
ICD-10 code description
-

Primary outcomes

1

Description
clinical competency
Timepoint
At the beginning of the study and two months after the implementation of the preceptorship program
Method of measurement
Clinical Competency Questionnaire

2

Description
satisfaction
Timepoint
At the beginning of the study and two months after the implementation of the preceptorship program
Method of measurement
Student Satisfaction Questionnaire on Clinical Education

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: With the help of the educational supervisor, the head nurse and the instructor are selected from the operating room personnel of clinical experts. These individuals, as experienced clinical nurses, are role models, the duty of supporting and teaching the operating room students in the form of a relationship One by one over a two-month period.
Category
Other

2

Description

Control group: Students who are in the control group will be trained internally with a faculty trainer.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Torbat heydariyeh university of medical sciences
Full name of responsible person
somayyeh nayyeri
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gharani street. 9 Dey hospital
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Sabzevar University of Medical Sciences
Full name of responsible person
sedighe khalili shomia
Street address
University Campus Building, Above the Millennium of Anonymous Martyrs, Tohid Shahr Blvd., Sabzevar
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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
Sabzevar 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
Torbate-Heidaria University of Medical Sciences
Full name of responsible person
somayyeh nayyeri
Position
Faculty member
Latest degree
Master
Other areas of specialty/work
Nursery
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available

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

Title and more details about the data/document
The effect of preceptorship program on clinical competency and satisfaction in undergraduate operating room students of Torbat Heydariyeh University of Medical sciences

When the data will become available and for how long
6 months after printing results

To whom data/document is available
All researchers and medical staff

Under which criteria data/document could be used
In order to conduct scientific research

From where data/document is obtainable
Apply by email.

What processes are involved for a request to access data/document
Maximum 72 hours after request

Comments