

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 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 preceptors 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

Street address

gharani street. 9 Dey hospital

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Fax

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s.nayyeri86@yahoo.com

Web page address

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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Razavi Khorasan

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Email

shomia@ymail.com

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

Street address

Razi St. - Torbat Heydarieh University of Medical Sciences

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

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Position

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Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

somayyeh nayyeri

Position

Instructor

Latest degree

Master

Other areas of specialty/work

Nursery

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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

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