

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The Effect of Patient Safety Education on Problem-Based Learning (PBL) Based on Knowledge, Attitude, Perception and Patient-Based Communication Skills in Nursing Students of Urmia Nursing and Midwifery Faculty in 2020-2019

Protocol summary

Study aim

Determining the Effect of Patient Safety Education through Problem-Based Learning on Patient Safety Knowledge, Attitude, Perception and Communication Skills in Nursing Students of Urmia School of Nursing and Midwifery in 2019-2020

Design

This study will be a quasi-experimental study. The number of these students will be 90 students who will be divided into intervention and control groups. After introducing the students to the students and expressing their goals and methods of work to the participants, the researcher will obtain written consent from the researcher.

Settings and conduct

The project will be located in the Urmia Hospital for Medical Education. The researcher will refer to the research environment, which is an educational and medical center after being approved by the Faculty Research Council and obtaining approval from the University Ethics Committee. According to the admission criteria, fourth-year students will be selected in the fall semester 1398, who are eligible to participate in the study.

Participants/Inclusion and exclusion criteria

Nursing Students of Urmia University of Medical Sciences, School of Nursing and Midwifery

Intervention groups

In this study, an intervention booklet on patient safety knowledge will be delivered to the intervention group first. There will also be 8 problem-solving training sessions for this group. The students in the intervention group will be divided into 5 small groups of up to 9 people. The control group will not receive any intervention. In this study, problem-based learning will be implemented in seven stages.

Main outcome variables

Problem-based learning

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190925044881N1**

Registration date: **2019-10-17, 1398/07/25**

Registration timing: **registered_while_recruiting**

Last update: **2019-10-17, 1398/07/25**

Update count: **0**

Registration date

2019-10-17, 1398/07/25

Registrant information

Name

Hossein Jamshidi lalalo

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 44 3384 5088

Email address

jamshidi.h@umsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-09-23, 1398/07/01

Expected recruitment end date

2019-12-21, 1398/09/30

Actual recruitment start date

empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
The Effect of Patient Safety Education on Problem-Based Learning (PBL) Based on Knowledge, Attitude, Perception and Patient-Based Communication Skills in Nursing Students of Urmia Nursing and Midwifery Faculty in 2020-2019

Public title
The Effect of Patient Safety Education on Problem-Based Learning Based on Knowledge, Attitude, Perception and Patient-Based Communication Skills in Nursing Students

Purpose
Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Complete the research consent form Urmia Nursing and Midwifery Faculty, 4th year student No use of other similar classes and programs

Exclusion criteria:

Absent more than two sessions Use other classes and similar training programs during research

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Not randomized

Randomization description

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

National Ethics Committee on Biomedical Research

Street address

Bahonar Blvd, Baharan Ave.

City

Urmia

Province

West Azarbaijan

Postal code

5716637668

Approval date

2019-09-16, 1398/06/25

Ethics committee reference number

IR.UMSU.REC.1398.219

Health conditions studied

1

Description of health condition studied

The Impact of Problem-Based Learning on Patient Safety

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Problem Based Learning

Timepoint

One month later

Method of measurement

Patient Safety Knowledge, Attitude and Perception

Questionnaire-Patient Safety Based Communication Skills Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

This study will provide problem-based learning during 8 sessions of concepts related to knowledge, attitude and perception as well as patient safety-based communication skills for 7th and 8th semester nursing students in clinical settings. The use of scenarios designed in each session will be presented to students and discussed in a problem-based learning manner. The duration of each session will be 45 minutes.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Urmia Medical Training Hospitals

Full name of responsible person

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Oroumia University of Medical Sciences
Full name of responsible person
Dr. irajmohebbi
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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
Oroumia 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
Oroumia University of Medical Sciences
Full name of responsible person

HosseinJamshidi
Position
master of nursing student
Latest degree
Bachelor
Other areas of specialty/work
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Person responsible for updating data

Contact

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Not applicable