Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Comparison of two blended teaching and learning process in the course of routine patient education on knowledge, satisfaction and performance of the Undergraduate Nursing ¬ Mandy Tehran University of Medical Sciences

Protocol summary

Summary

Main objectives: to determine and compare the effectiveness of two teaching methods used in teaching learning process and the principles of fusion and patient education on knowledge, satisfaction - satisfaction and performance of nursing students in Tehran University of Medical Sciences.Secondary objectives of the project: 1. Determination and comparison of nursing students in the experimental and control groups before and after intervention.2_ determine and compare the level of satisfaction among nursing students in the experimental and control groups before and after intervention 3 - Determine and compare students' performance scores in the experimental and control groups before and after intervention.This study is quasi-experimental . After obtaining necessary licenses and permits from the masters of the whole class ¬ lesson Patient education (4th grade) to be selected by using simple random sampling , two experimental and control groups will be divided , then the researcher now the classes and after their introduction , the importance of information and research objectives of this study will be .patient education program for patients in the design, implementation and evaluation of the classes presented orally and then in writing, of his project " will deliver .Teaching methods in the theory of groups is a combination of lecture and Q & A In the practical part of the research will begin in the first class session, students are divided into 5 groups of 6-8 (39-31 people total students) divided And they will want to end the session on education topics to patients based on their interest , help the teacher and the researcher chose to start writing the script . The seventh session of the course , before classes begin ¬ questionnaire concerning the knowledge and consent of the students in the experimental group and the control and the delivery will be completed . Then the scenarios by the researcher , lecturer , writer and expert in the course of writing the script , with the knowledge seekers ¬ Each group will review several sessions according to their needs . Practical exercises in the practice rooms of different roles , including patients , families, patients , nurses , doctors and other health care team when necessary , such as physiotherapists , occupational therapists and a dietitian will perform. After preparation of the scenes filmed in the classroom will be presented . Then on the last day of class ¬ questionnaire on knowledge and satisfaction of students will be placed in the test and control groups . Assessment of student performance in the clinical control groups in terms of measures of patient information intervention and interaction with the nurse will be done . To evaluate student performance, each student will have two patient samples . After collecting data using Spss software version 14 using descriptive and inferential statistical methods of data analysis will be ¬

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013100214856N1**
Registration date: **2013-11-09, 1392/08/18**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2013-11-09, 1392/08/18

Registrant information

Name

Narjes Mohammadpour

Name of organization / entity

Tehran University of Medical Sciences, School of Nursing and Midwifery

Country
Iran (Islamic Republic of)

Phone
+98 21 6692 7171

Email address
n.mohammadpour2012@yahoo.com

Recruitment status
Recruitment complete

Funding source
Research Council of Tehran University of Medical Sciences

Expected recruitment start date
2013-10-23, 1392/08/01

Expected recruitment end date
2015-02-19, 1393/11/30

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Comparison of two blended teaching and learning process in the course of routine patient education on knowledge, satisfaction and performance of the Undergraduate Nursing ¬ Mandy Tehran University of Medical Sciences

Public title
Comparison of two blended teaching and learning process in the course of routine patient education on knowledge, satisfaction and performance of the Undergraduate Nursing ¬ Mandy Tehran University of Medical Sciences

Purpose
Prevention

Inclusion/Exclusion criteria
Inclusion criteria: all nursing students during the first semester of the academic education of students who passed duing2012-2013. All patients who were admitted in the hospital during the trial on thses students.
Exclusion criteria: student consent to participate in this project from the beginning, or the patient's consent to participate in this study

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **304**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
School of Nursing and Midwifery, Tehran University of Medical Sciences

Street address
Tehran, tohid Square, N. Eastern Avenue, School of Nursing and Midwifer

City
Tehran

Postal code

Approval date
2013-08-11, 1392/05/20

Ethics committee reference number
21561

Health conditions studied

1

Description of health condition studied
Knowledge, satisfaction, performance

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Knowledge

Timepoint
Assessment of student knowledge both before and after the intervention is done. Assess student performance in school next semester and is in clinical environments.

Method of measurement
The purpose of this study, the scores of militants ¬ nursing knowledge assessment tool, which uses multiple-choice questions designed by the researcher and will be measured with a minimum score of zero and a maximum score of 21.

2

Description
Satisfaction

Timepoint

Did you mean: ارزیابی رضایتمندی دانشجویان هم قبل از انجام مداخله و هم پس از انجام مداخله انجام می شود. Evaluating students' satisfaction both before and after the intervention, the intervention is done.

Method of measurement

In order to study the satisfaction level of education, satisfaction and student learning method is presented which uses the tools to measure the level of satisfaction ¬ take place. Measure the level of satisfaction based on Likert scale of 1 to 5 scale divisions will be completely dissatisfied to 5 very satisfied.

3

Description

Performance

Timepoint

Assessment of student performance in school next semester and is in clinical environments.

Method of measurement

In order to study the performance of the main activities that a graduate nurse should position the patient to perform the operation in the field of education, which can ¬ area of education, the interaction of communication and collaboration is. Assessment of student performance in the test and control groups in the second half year 1393-1392 using the scale clinical patient data and caregiver interaction is done. The scale contains 21 such that the patient can function in nursing education describes ¬. To evaluate student performance, each student will have a minimum of a patient survey

Secondary outcomes

1

Description

One of the main roles of professional nursing education. Today's nursing students are coming from, where ¬, ¬ active teaching methods to apply the valuable outcomes such as attitude change and reform, strengthening active participation of learners, creative and dynamic interaction, promote critical thinking, increased confidence reduction of fear and competence in the areas of real anxiety and improve student learning in various areas and will ultimately provide a quality education

Timepoint

Variables are evaluated before and after intervention.

Method of measurement

How to measure three variables is described in the previous sectionAfter analyzing the data and draw conclusions about appropriate teaching methods best and most practical way to achieve the desired objectives can be selected.

Intervention groups

1

Description

This study is quasi-experimental. To do scholar with the permission of the authorities concerned, the authorities and the introduction of a learning course in college professors who will client and Department of Education, and simple random method, of students in the two groups and control will be distributed.Method of teaching groups is a combination of theory and practical part of the lecture and question and answer will be the researcher in the first sessions a class, the students of the groups to 5 groups of 6-8 (thirty-nine of total students for - 31 people) and they will be until the end of the second session on education topics to patients based on their interest, help the teacher and the researcher chose and started writing a scenario should be noted that the experts in the colleague script writing, directing, and will be used in all phases of research,Students will also ensure accountability and fix the problems that researchers in the field of integrated education be available, and throughout the intervention Saturdays a Saturday as the and Wednesday every week at the School of Tuesday and other students will be contacted by telephone during the week.The seventh session of lessons before class and student satisfaction questionnaire to the students in the experimental group and the delivery will be completed.In the next stage of the reform scenarios were developed, each group of students planned process based on the training curriculum provided by the researcher to be delivered to the patient And after final practical exercises in the practice rooms of different roles, including patients, families, patients, nurses, and other members of the treatment team will conduct the necessary Srt.After preparation of the scenes filmed at the ninth session before the practical work, students will then present their research and criticism of the film،The researcher and teacher discussion and conclusions regarding the proposed pay movies. Finally, "the last day of class ¬ questionnaire concerning the knowledge and consent of the student will be placed on experimental group.After the students submitted the questionnaires, the film is presented in the form of groups of controls will be placed on CD. It should also be noted that the CD will be ready in audiovisual archiving School.Assessment of student performance in the test and control groups in the second half year 1393-1392 using the scale clinical patient data and caregiver interaction is done. To evaluate student performance, each student will have a minimum of a patient survey.

Category

Other

2

Description

Teaching methods in control theory and practical part of lecture and question and answer so that students will be divided into 5 groups of 8-6 (Total students was 36-31) into the And asks them to select a topic based on a real case And follow the steps for patient education, an education program for patients, design, implementation, and evaluation of orally presented in class and in writing of his project "will deliver.The seventh session of lessons before class and student satisfaction questionnaire to the

students in the control group and the delivery will be completed.Finally, "the last day of class ¬ questionnaire regarding knowledge and satisfaction of students will be placed in the control group and the delivery will be completed. To evaluate student performance, each student will have a minimum of a patient survey

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

School of Nursing and Midwifery, Tehran University of Medical Sciences

Full name of responsible person

Dr Mansureh Farahani

Street address

Tohid Square, Nosrat Eastern Avenue, School of Nursing and Midwifery

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputy of Research, Tehran University of Medical Sciences

Full name of responsible person

Dr Masood Yunesian

Street address

Tehran University of Medical Sciences

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Deputy of Research, Tehran 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

School of Nursing and Midwifery, Tehran University of Medical Sciences

Full name of responsible person

Narjes Mohammadpour

Position

MSc student of nursing

Other areas of specialty/work

Street address

School of Nursing and Midwifery,N. Eastern Avenue, Tohid Square,Tehran

City

Tehran

Postal code

1419733171

Phone

+98 21 7715 1648

Fax

+98 21 6690 4252

Email

n.mohammadpour2012@yahoo.com; n.mohammadpour62@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Mansoore Farahani

Position

Associate professor

Other areas of specialty/work

Street address

School of Nursing and Midwifery,N. Eastern Avenue, Tohid Square,Tehran

City

Tehran

Postal code

Phone

+98 21 7715 1648

Fax

Email

m-farahani@tums.ac.ir; m_negar110@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Narjes Mohammadpour

Position

MSc student of nursing

Other areas of specialty/work

Street address

Tehran

City

School of Nursing and Midwifery,N. Eastern Avenue,

Tohid Square,Tehran

Postal code

1734833115

Phone

+98 21 7715 1648

Fax

Email

n.mohammadpour2012@yahoo.com; n.mohammadpour62@yahoo.com

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