Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of the effect of″ near-peer″ teaching and trainer on hand hygiene in first year nursing students

Protocol summary

Study aim
Nursing education
Design
Clinical trial with control group, intervention group, double blind, randomized
Settings and conduct
The training was conducted in 3 sessions of 30-45 minutes for each group in two weeks. Training of both groups was done in one place (hospital). Before the training, the pre-test was done in practice through the Wilkinson and Lewin standard checklist. The researcher was practicing a focused training program with a trainee student using a training package. The training content was the same in both groups.
Participants/Inclusion and exclusion criteria
nursing student
Intervention groups
The group of near - peer students includes the intervention group and the group of students trained by the clinical trainer is the control group.
Main outcome variables
Hand Hygiene nursing students Age Sex The average Health Education

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20190313043043N1**
Registration date: **2019-03-22, 1398/01/02**
Registration timing: **registered_while_recruiting**

Last update: **2019-03-22, 1398/01/02**
Update count: **0**
Registration date
2019-03-22, 1398/01/02

Registrant information
Name
sahar moradi
Name of organization / entity
Country
Iran (Islamic Republic of)
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+98 84 3334 6968
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2019-03-18, 1397/12/27
Expected recruitment end date
2019-04-21, 1398/02/01
Actual recruitment start date
2018-12-22, 1397/10/01
Actual recruitment end date
2019-04-21, 1398/02/01
Trial completion date
2019-04-21, 1398/02/01

Scientific title
Comparison of the effect of″ near-peer″ teaching and trainer on hand hygiene in first year nursing students

Public title
"The effect of peer education in nursing"; "The effect of training by instructor "
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
First year nursing students No training on washing Students who have received the relevant unit for the first time
Exclusion criteria:
Students with a history of clinical work Except for

transfer students from other fild Students who have received the relevant unit for the second time

Age

From **19 years** old to **22 years** old

Gender

Both

Phase

3

Groups that have been masked

- Outcome assessor

Sample size

Target sample size: **80**

Actual sample size reached: **70**

Randomization (investigator's opinion)

Randomized

Randomization description

Student names were received from college education and were graduated in alphabetical order and placed in the envelope: Using a milk or line test method: two randomly selected items were randomly assigned to one group: Then intervention and control groups were randomly assigned:

Blinding (investigator's opinion)

Double blinded

Blinding description

Students in the control and intervention group, near - peer students and instructure did not know their belongings to the groups. The final test was also conducted by a nursing instructure who did not know about belonging to the groups and was not involved in education.

Placebo

Not used

Assignment

Parallel

Other design features

An experimental study was performed by random sampling in control and intervention groups. After assigning the groups to the control group and the pre-test group, the same group was taken from both groups and after training the groups under the same conditions And the same environment was performed by our post test

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of ilam University of Medical Sciences

Street address

zeinabie ave.,asnaf Blvd

City

ilam

Province

Ilam

Postal code

6931867613

Approval date

2018-11-27, 1397/09/06

Ethics committee reference number

IR.MEDILAM.REC.1397.069

Health conditions studied

1

Description of health condition studied

Hand Hygiene

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Mean score of hand hygiene skills in first year nursing studentsمیان

Timepoint

Average hand hygiene score before intervention and one month after intervention

Method of measurement

Wilkinson & Treas hand-hygiene checklist

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the intervention group, education was conducted by senior undergraduate nursing students asnear - peer group. A group of seven of the best students of the last year had the highest grade,and sufficient proficiency in teaching materials, selected and trained.After them how they functioned by coaches, the training program in the near - peer group was close to them. For each of the eight students, a near - peer was trained.Before the pretest training, participants were taken from the pre-test and after the training, a post test test was taken from the participants.

Category

Prevention

2

Description

Control group: The control group includes first year nursing students who received the same training in the same nursing instructor in the hospital. Before the pretest training, participants were taken and after the training, a post test test was taken from the participants.

Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Mostafa khomeini hospital
Full name of responsible person
Sahar Moradi
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Ilam University of Medical Sciences
Full name of responsible person
Dr.Gholamreza Kalvandi
Street address
Ilam, Banzganjb, Research Blvd, Ilam University of Medical Sciences
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6939177143
Phone
+98 84 3223 5724
Email
kalvandigh@medilam.ac.ir
Web page address
http://www.vcr.medilam.ac.ir
Grant name
Senior Student Theses Budget
Grant code / Reference number
5289564
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ilam 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
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Full name of responsible person
Masoume Shohani
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Other areas of specialty/work
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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
Yes - There is a plan to make this available
Statistical Analysis Plan
Yes - There is a plan to make this available
Informed Consent Form
Yes - There is a plan to make this available
Clinical Study Report
Yes - There is a plan to make this available
Analytic Code
Yes - There is a plan to make this available
Data Dictionary
Yes - There is a plan to make this available
Title and more details about the data/document
Documentation of participants' informed consent and document results of data analysis
When the data will become available and for how long
Get started since 2019
To whom data/document is available
Researchers working in academia
Under which criteria data/document could be used
Use checklist and method of intervention
From where data/document is obtainable
E-mail researcher
What processes are involved for a request to access data/document
E-mail the email to the researcher and after reviewing the request by the deputy of research and technology as much as possible.
Comments