

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jul 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)

Phone

+98 84 3334 6968

Email address

s.moradi626@yahoo.com

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 field 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 instructor did not know their belongings to the groups. The final test was also conducted by a nursing instructor 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

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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 students میان

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 as near-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 that, 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

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Web page address

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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

Ilam University of Medical Sciences

Full name of responsible person

Masoume Shohani

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

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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