

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jul 2026

Impact of teaching of thinking skills on attitude and ability of senior nursing students for the application of nursing process

Protocol summary

Summary

Objectives: The aim of this study is to determine the Impact of teaching of thinking skills on attitude and ability of senior nursing students for the application of nursing process. **Design:** In this clinical trial study, 66 students who Last semester of nursing in Tehran Faculty of Nursing and Midwifery, If the students have all inclusion criteria includes: Willingness students to participate will be enrolled in the study. **Exclusion criteria:** unwillingness to continue participate in the study; Refusing to whole participate in thinking skill workshop and not delivering questionnaires. **Intervention:** Students will be assigned after the simple random sampling to experiment and control groups. Before commence of the intervention will be measured students attitude by attitude questionnaire and ability to apply nursing process, researcher-made questionnaire which its validity and reliability will be determined. After that students in the experiment group will train thinking skills based on Six Thinking Hats in a 2 days workshop (8 hours). In the first session the basics and fundamental of thinking, and the Six Thinking Hats will be teach, in the second session use and practice of the Six Thinking Hats by providing two clinical scenarios will be discussed. While students in control group will receive only routine training. Finally, again the attitude and the ability to apply the nursing process after training and one month after the training will be measured and compared. **Main outcome measures (variables):** Attitude and the ability to apply the nursing process.

General information

Acronym

-

IRCT registration information

IRCT registration number: **IRCT201409225987N15**

Registration date: **2015-06-22, 1394/04/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-06-22, 1394/04/01

Registrant information

Name

Shahrzad Ghiasvandian

Name of organization / entity

Tehran University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Tehran University of Medical Sciences

Expected recruitment start date

2014-12-22, 1393/10/01

Expected recruitment end date

2015-03-21, 1394/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Impact of teaching of thinking skills on attitude and ability of senior nursing students for the application of nursing process

Public title

The effect of teaching of thinking skills on attitude and ability of senior nursing students for the application of

nursing process

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria: willingness students to participate in the study Exclusion criteria: unwillingness to continue participate in the study; refusing to whole participate in thinking skill workshop; not delivering questionnaires.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 66

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

Ethics committee of Tehran University of Medical Sciences

Street address

Sixth floor of the University Center, Qods St, Keshavarz Blvd

City

Tehran

Postal code

Approval date

2014-07-14, 1393/04/23

Ethics committee reference number

912/130/93/3

Health conditions studied

1

Description of health condition studied

-

ICD-10 code

-

ICD-10 code description

-

Primary outcomes

1

Description

Attitude

Timepoint

Before the training, at the end of the training sessions and one month after training

Method of measurement

Questionnaire of the attitude of the nursing process

2

Description

Ability to apply the nursing process

Timepoint

Before the training, at the end of the training sessions and one month after training

Method of measurement

Questionnaire to apply the nursing process checklist

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Training thinking skills based on six thinking hats in a 2-day workshop (8 hours). In the first session the basics and fundamental of thinking, and the Six Thinking Hats will be teach, in the second session use and practice of the Six Thinking Hats by providing two clinical scenarios will be discussed.

Category

Behavior

2

Description

Control group: In the control group will not be done any intervention and take only routine training.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

The faculty of Nursing and Midwifery of Tehran University of Medical Sciences

Full name of responsible person

Omid Mohamadamini, MSc student in Medical-Surgical Nursing The Tehran University, Iran

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Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

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Full name of responsible person

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Keshavarz Blvd. Tel: 88987382 - Fax: 88989664

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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

Vice chancellor for 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**

The faculty of Nursing and Midwifery of Tehran
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Full name of responsible person

Omid Mohamadamini

Position

Master Science Student of Nursing

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Position

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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