Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

effect of Storytelling through simulation on moral reasoning and Sensitivity of undergraduate nursing students of Tehran University of medical sciences

Protocol summary

Study aim
Determining the effect of Storytelling through simulation on moral reasoning and Sensitivity of undergraduate nursing students of Tehran University of medical sciences

Design
Clinical trial with intervention and control group, block randomization method or quadruple blocks, sample size 60

Settings and conduct
The study of the effect of narration through simulation on the ethical reasoning and sensitivity of undergraduate students using narrative-based training sessions and by analyzing questionnaires by Colberg and MSQ, which are filled by students, the impact of narrative on the rate Insecurity and moral sensitivity are measured The place of intervention will be the Faculty of Nursing and Midwifery of Tehran University of Medical Sciences.

Participants/Inclusion and exclusion criteria
entry: 1- Being aged 18 to 30 years old 2- A semester of eight undergraduate nursing students 3- Passing moral education based solely on the curriculum of the undergraduate degree, 4- Passing internship in the field of children Non arrival: 1-Age less than 18 or more than 30; 2-Students of all semesters except semester 8

Intervention groups
Intervention include 4 sessions with 3-hours (two sessions per week) training the four principles of bioethics that are taught in two consecutive weeks for intervention group. The control group will not receive training.

Main outcome variables
Moral reasoning and sensitivity

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20190330043140N1**
Registration date: **2019-10-02, 1398/07/10**
Registration timing: **registered_while_recruiting**

Last update: **2019-10-02, 1398/07/10**
Update count: **0**

Registration date
2019-10-02, 1398/07/10

Registrant information

Name
Arezoo Fard

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 21 2250 8017

Email address
arezoo.fard@yahoo.com

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2019-09-23, 1398/07/01

Expected recruitment end date
2019-10-12, 1398/07/20

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
effect of Storytelling through simulation on moral

reasoning and Sensitivity of undergraduate nursing students of Tehran University of medical sciences

Public title
effect of Storytelling through simulation on moral reasoning and Sensitivity
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Aged 18 to 30 years old 8th semester student of nursing Passing internship in the field of children Passing moral education based solely on the curriculum of the undergraduate degree
Exclusion criteria:
Pass the course of ethics out of university curriculum in undergraduate state
Age
From **18 years** old to **30 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **60**
Randomization (investigator's opinion)
Randomized
Randomization description
In this study, all eight nursing students of Tehran University who are passing a unit of children are selected and divided into two intervention and control groups using block randomization method or quadruple blocks. Students will be homogeneous in terms of ethics training that they have completed in the second semester
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
The Ethics Committee of the Faculty of Nursing and Midwifery of Tehran
Street address
School of Nursing and Midwifery,Dr Mirkhani Street (Eastern Nusrat), Tohid Square,Tehran
City
Tehran
Province
Tehran
Postal code
1419733171
Approval date
2019-03-12, 1397/12/21
Ethics committee reference number
IR.TUMS.FNM.REC.1397.202

Health conditions studied

1

Description of health condition studied
moral reasoning of undergraduate students
ICD-10 code
ICD-10 code description

2

Description of health condition studied
moral Sensitivity of undergraduate students
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
Nursing Students' moral Sensitivity Score Using the Latzen moral Sensitivity Questionnaire (MSQ)
Timepoint
Before the intervention, the end of the intervention, one month after the end of the intervention
Method of measurement
MSQ standard questionnaire

2

Description
Nursing Students' moral Reasoning Score Using the Standard Kohlberg Questionnaire
Timepoint
Before the intervention, the end of the intervention, one month after the end of the intervention
Method of measurement
Standard Kohlberg Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Investigating the effect of storytelling through simulation on the reasoning and moral sensitivity of undergraduate students using storytelling training sessions and analyzing Kohlberg and MSQ

questionnaires filled out by students. The impact of storytelling on the level of reasoning and moral sensitivity is measured.

Category

Other

2

Description

Control group: Nursing students who are selected to be compared to the intervention group students who only fill out the questionnaires Kohlberg and MSQ and no further action is taken on them.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Tehran university of Nursing and Midwifery

Full name of responsible person

Dr. Saydeh Fatemeh Waseq Rahim Parvar

Street address

School of Nursing and Midwifery,Dr Mirkhani Street (Eastern Nusrat), Tohid Square,Tehran

City

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1419733171

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+98 21 6692 7171

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fnm@tums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Vida Kardan Moghadam

Street address

604 Sixth Floor University Central Organization Quds Ave., Keshavarz Blvd.

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Fax

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rmo@tums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Akram Sadat Sadat Hosseini

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street address

School of Nursing and Midwifery,Dr Mirkhani Street (Eastern Nusrat), Tohid Square,Tehran

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ashoseini@tums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

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Position

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