

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

17 Jun 2026

### The effect of education of nursing care based on mobile social network on job stress and job self efficacy of nurses in oncology wards

#### Protocol summary

##### Study aim

Determination of the effect of nursing care education based on social network on job stress and self efficacy of oncology nurses

##### Design

Clinical trial with a control group, one blind, randomized.

##### Settings and conduct

The study is conducted in Rasool Akram and Firoozgar hospitals. Nurses are randomly assigned to two groups of control and intervention. The study is done in a single blind study. None of the participants in the study know which group (intervention or control) is located.

##### Participants/Inclusion and exclusion criteria

\*inclusion criteria: -Ability to work with mobile social network -Being volunteering -Having work experience in the oncology ward -Having no mental illness -Do not use drugs that affect the mental situation \*Exclusion criteria: -Inability to work with mobile apps -Work experience less than one year in oncology unit -Having mental illness from the promise of the nurses themselves

##### Intervention groups

Intervention group: Stress and self-efficacy questionnaires will be provided to samples. The researcher will collect them after 24 hours. Then the samples are registered in the Telegram or WhatsApp. Within four weeks, the materials will be provided in accordance with the specified schedule. A month after the end of the intervention, the nurses will fill out the questionnaires again. Control group: Nurses in the control group will receive current hospital education (brochures and training pamphlets available in the department). Before the intervention and one month after the end of the intervention, they will complete the questionnaires

##### Main outcome variables

nurses stress scale score; Job Self-Efficacy Inventory Score

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20190416043292N1**

Registration date: **2019-11-07, 1398/08/16**

Registration timing: **retrospective**

Last update: **2019-11-07, 1398/08/16**

Update count: **0**

##### Registration date

2019-11-07, 1398/08/16

##### Registrant information

##### Name

Amin Iri

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 26 3612 0296

##### Email address

iri.a@iums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2019-01-05, 1397/10/15

##### Expected recruitment end date

2019-03-06, 1397/12/15

##### Actual recruitment start date

2019-01-05, 1397/10/15

##### Actual recruitment end date

2019-03-06, 1397/12/15

##### Trial completion date

2019-03-06, 1397/12/15

##### Scientific title

The effect of education of nursing care based on mobile social network on job stress and job self efficacy of nurses in oncology wards

**Public title**

the effect of education on job stress and job self efficacy

**Purpose**

Education/Guidance

**Inclusion/Exclusion criteria****Inclusion criteria:**

Ability to work with social network telegram or whats App  
Being volunteer Having at least one year of work experience in the oncology ward Having no mental illness from the promise of the nurses themselves Do not use drugs that affect the mental situation before and during and up to one month after intervention

**Exclusion criteria:**

Inability to work with mobile apps Work experience less than one year in oncology unit Having mental illness from the promise of the nurses themselves

**Age**

No age limit

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

- Participant

**Sample size**

Target sample size: **80**

Actual sample size reached: **78**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

Simple randomization with Flip the coin

**Blinding (investigator's opinion)**

Single blinded

**Blinding description**

Considering the probability of Information pollution in the control group, the allocation of the units in the control and intervention groups will be based on the name of the educational centers, and the control group will be separated from the intervention group (In a different mobile social group and in a different Center).

**Placebo**

Not used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Ethics committee of Iran University of Medical

Sciences

**Street address**

Iran University of Medical Sciences, Shahid Hemmat Highway, Tehran

**City**

Tehran

**Province**

Tehran

**Postal code**

۱۴۳۹۶۱۴۵۳۵

**Approval date**

2019-01-08, 1397/10/18

**Ethics committee reference number**

IR.IUMS.REC.1397.711

**Health conditions studied****1****Description of health condition studied**

job stress

**ICD-10 code**

Z56.3

**ICD-10 code description**

Stressful work schedule

**Primary outcomes****1****Description**

nurses stress scale score

**Timepoint**

Before the intervention and one month after the intervention is completed

**Method of measurement**

expanded nurses stress scale (ENSS)

**2****Description**

Job Self-Efficacy Inventory Score

**Timepoint**

Before the intervention and one month after the intervention is completed

**Method of measurement**

job self efficacy inventory

**Secondary outcomes**

empty

**Intervention groups****1****Description**

Intervention group: Stress and self-efficacy questionnaires will be provided to samples. The researcher will collect them after 24 hours. Then the samples will be added to the Telegram or WhatsApp group. For 4 weeks, the training materials will be

provided to the intervention group according to the specified schedule. A month after the end of the intervention, the questionnaires will be completed again by the nurses. The contents of the Nursing Standards Booklet (Chapter "Chemotherapy and Radiation Standards"), which is compiled by the Iranian Nursing Organization, will be used. In the first week, the checklist for preparation for chemotherapy drugs (page 1-10), In the second and third weeks, nursing care and interventions in the complications of chemotherapy from page 12 to 40. In the fourth week, nursing care and nursing interventions in chemotherapy prescriptions will provide.

**Category**

Other

**2**

**Description**

Control group: Nurses in the control group will receive current hospital education (brochures and training pamphlets available in the department). Before the intervention and one month after the end of the intervention, they will complete the questionnaires.

**Category**

Other

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Rasoul Akram hospital

**Full name of responsible person**

Mehri Bozorgnejad

**Street address**

Hazrate Rasoole Akram Hospital, Niayesh St, Satarkhan Av, Tehran

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**2**

**Recruitment center**

**Name of recruitment center**

Firoozgar Hospital

**Full name of responsible person**

Mehri Bozorgnejad

**Street address**

Firoozgar Hospital, Beh Afarin St, Karim Khan St, Valiasr Square, Tehran

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**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Iran University of Medical Sciences

**Full name of responsible person**

Dr Seyed Kazem Malakooti

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ivco@iums.ac.ir

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Iran 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**

Iran University of Medical Sciences

**Full name of responsible person**

Mehri Bozorgnejad

**Position**

Master nurse

**Latest degree**

Master

**Other areas of specialty/work**

Nursery

**Street address**

School of Nursing and Midwifery, Rashid yasemi st

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## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**

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Mehri bozorgnejad

**Position**

Master nurse

**Latest degree**

Master

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## Person responsible for updating data

**Contact**

**Name of organization / entity**

Iran University of Medical Sciences

**Full name of responsible person**

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**Position**

Master nurse

**Latest degree**

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## Sharing plan

**Deidentified Individual Participant Data Set (IPD)**

No - There is not a plan to make this available

**Justification/reason for indecision/not sharing IPD**

No more information

**Study Protocol**

No - There is not a plan to make this available

**Statistical Analysis Plan**

No - There is not a plan to make this available

**Informed Consent Form**

No - There is not a plan to make this available

**Clinical Study Report**

No - There is not a plan to make this available

**Analytic Code**

No - There is not a plan to make this available

**Data Dictionary**

No - There is not a plan to make this available