

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

City

tehran

Province

Tehran

Postal code

1449614535

Phone

+98 21 6435 1111

Email

hrmc@iums.ac.ir

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

City

tehran

Province

Tehran

Postal code

۱۵۹۳۷۴۷۸۱۱

Phone

+98 21 8214 1600

Email

h_firoozgar@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr Seyed Kazem Malakooti

Street address

Iran University of Medical Sciences, Shahid Hemmat Highway, Tehran

City

Tehran

Province

Tehran

Postal code

1449614535

Phone

+98 21 8670 9999

Email

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

City

Tehran

Province

Tehran

Postal code

۱۹۹۶۷۱۳۸۸۳

Phone

+98 21 4365 1000

Fax

Email

bozorgnejad.m@iums.ac.ir

Person responsible for scientific 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

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+98 21 4365 1000

Fax

Email

bozorgnejad.m@iums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Mehri Bozorgnejad

Position

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Phone

+98 21 4365 1000

Fax

Email

Bozorgnejad.m@iums.ac.ir

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