

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Sep 2026

The effect of nursing informatic interface on informatics competency of nurses

Protocol summary

Summary

The research is a semi-experimental two-groups study (before and after), performed through random sampling in 2016, on 84 nurses working in Kamali Hospital of Karadj. Data were gathered through demographic and Technology Informatics Guiding Education Reform (TIGER) questionnaires, being measured before and 4 weeks after the intervention. Group members were including the hospital's informatics expert, nursing informatics liaison, and nurses. First, all control and intervention group nurses were evaluated through TIGER questionnaire. Then, intervention group were trained by nursing informatics liaison for nursing informatics' principles including basic computer literacy, clinical data management and informatics literacy.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016053128197N1**

Registration date: **2017-08-28, 1396/06/06**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-08-28, 1396/06/06

Registrant information

Name

Faranak Tahriri

Name of organization / entity

Tehran University of Rehabilitation Sciences and Social Welfare

Country

Iran (Islamic Republic of)

Phone

+98 21 2218 0036

Email address

fa.tahriri@uswr.ac.ir

Recruitment status

Recruitment complete

Funding source

University of Social Welfare and Rehabilitation Sciences

Expected recruitment start date

2016-05-04, 1395/02/15

Expected recruitment end date

2016-06-04, 1395/03/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of nursing informatic interface on informatics competency of nurses

Public title

The impact of education on informatics capabilities

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria: having at least a bachelor's degree in nursing - Mrs nurses Exclusion criterion: refusing to participate in study

Age

From **20 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **84**
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 University of Social Welfare and Rehabilitation Sciences
Street address
 University of Social Welfare and Rehabilitation Sciences, Koodakyar deadlock, Daneshjoo Boulevard, Evin
City
 Tehran
Postal code
Approval date
 2015-11-14, 1394/08/23
Ethics committee reference number
 IR.USWR.REC.1394.354

Health conditions studied

1

Description of health condition studied

The ability of nursing informatics

ICD-10 code

-

ICD-10 code description

-

Primary outcomes

1

Description

Nursing informatics capabilities

Timepoint

before intervention and 4 weeks after the intervention

Method of measurement

TIGER questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In this group, intervention was made through holding 8 training sessions during 4 weeks in the hospital, providing them with instructional booklets, and online communication during intervention period and also working shifts.

Category

N/A

2

Description

Control group :No Action was taken in the control group

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
 Kamali Hospital in Karaj
Full name of responsible person
 Faranak tahriri
Street address
 Hospital Kamali, Kamali St. Karaj
City
 karaj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
 Research Deputy of University of Social Welfare and Rehabilitation Sciences
Full name of responsible person
 Dr. Hamid Reza khankeh
Street address
 University of Social Welfare and Rehabilitation Sciences, Koodakyar deadlock, Daneshjoo Boulevard, Evin
City
 Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research Deputy of University of Social Welfare and Rehabilitation 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***Postal code****Phone**

+98 26 3222 2021

Fax**Email**

tahririfaranak@yahoo.com

Web page address**Person responsible for general inquiries****Contact****Name of organization / entity**

Alborz University of Medical Science

Full name of responsible person

Faranak Tahriri

Position

Nurse

Other areas of specialty/work**Street address**

kamali Hospital, Kamali St. Karaj

City

Karaj

Postal code**Phone**

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Fax**Email**

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Web page address**Person responsible for updating data****Contact****Name of organization / entity**

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Karaj

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*