Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Nov 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 Boulvard, 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 questionaire

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 Boulvard, 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

Person responsible for general inquiries

Contact
Name of organization / entity
Alborz University of Medical Science
Full name of responsible person
Faranak Tahriri
Position
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Web page address

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