Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effect of the implementation of the standardized nursing language (SNL) education program on nurse's attitude and quality of documented nursing diagnoses, intervention and outcomes: the (Q-DIO)

Protocol summary

Study aim

Determining the effect of the implementation of the standardized nursing language (SNL) education program on nurse's attitude and quality of documented nursing diagnoses, intervention and outcomes: the (Q-DIO)

Design

This design is a semi-experimental two-group study (intervention and control) that is conducted on 70 nurses working in the Cardiology Department of Imam Reza (AS) Mashhad Hospital and their nursing reports. Allocation will be non-random and will not be blinded.

Settings and conduct

70 nurses working in the Cardiology Department of Imam Reza (AS) Mashhad Hospital

Participants/Inclusion and exclusion criteria

Criteria for entering the study: full-time employment in the CCU department; having a bachelor's or master's degree; willingness to participate in the study. Exclusion criteria: relocation of workplace; unwillingness to continue participating in the study.

Intervention groups

For the intervention group, an in-service training course on the use of standard nursing language in the form of a 6-hour workshop (4 sessions of 90 minutes) During two days, lectures, case studies and group work will be held. During the one month implementation of the intervention, the researcher with the help of supervisors and shift managers will check the quality of the registration based on the training provided and provide the necessary feedback to the nurses. Data collection in both intervention and control groups will be before the training workshop and four weeks after the end of the training course. The obtained information will be analyzed. After the completion of data collection, if the control group wishes, a training workshop will be held for this group as well.

Main outcome variables

Nurses' attitude; the quality of recording nursing diagnoses; actions and results

General information

Reason for update

Acronym

SNL

IRCT registration information

IRCT registration number: **IRCT20230717058815N1**
Registration date: **2023-08-01, 1402/05/10**
Registration timing: **prospective**

Last update: **2023-08-01, 1402/05/10**
Update count: **0**

Registration date

2023-08-01, 1402/05/10

Registrant information

Name

Samaneh Hasanabadi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 915 260 9058

Email address

hasanabadis4001@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-08-23, 1402/06/01

Expected recruitment end date

2023-09-23, 1402/07/01

Actual recruitment start date

empty

Actual recruitment end date
empty
Trial completion date
empty

Scientific title
The effect of the implementation of the standardized nursing language (SNL) education program on nurse's attitude and quality of documented nursing diagnoses, intervention and outcomes: the (Q-DIO)

Public title
The effect of the implementation of the standardized nursing language (SNL) education program on nurse's attitude and quality of documented nursing diagnoses, intervention and outcomes: the (Q-DIO)
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Full time employment in the CCU department Having a bachelor's or master's degree Now to participate in the study
Exclusion criteria:
Moving the workplace Unwillingness to continue participating in the study
Age
No age limit
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **70**
Randomization (investigator's opinion)
Not 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
Regional Ethics Committee in Medical Sciences Research, Mashhad
Street address
University Street, Doctor's Crossroad, Ibn Sina Street, Faculty of Nursing and Midwifery
City
Mashhad
Province
Razavi Khorasan
Postal code
9137913199
Approval date
2023-07-05, 1402/04/14
Ethics committee reference number
IR.MUMS.NURSE.REC.1402.047

Health conditions studied

1

Description of health condition studied
angina pectoris
ICD-10 code
I20
ICD-10 code description
Angina pectoris

2

Description of health condition studied
ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction
ICD-10 code
I21
ICD-10 code description
ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction

3

Description of health condition studied
Chronic ischemic heart disease
ICD-10 code
I25
ICD-10 code description
Chronic ischemic heart disease

4

Description of health condition studied
Acute ischemic heart disease, unspecified
ICD-10 code
I24.9
ICD-10 code description
Acute ischemic heart disease, unspecified

5

Description of health condition studied
Phlebitis and thrombophlebitis
ICD-10 code
I80.
ICD-10 code description
Phlebitis and thrombophlebitis

Primary outcomes

1

Description
Nurses' attitude
Timepoint
before the start and one month after the start of the intervention
Method of measurement
Attitude questionnaire

Secondary outcomes

1

Description
The quality of recording nursing diagnoses
Timepoint
Before the start and one month after the start of the intervention
Method of measurement
Q-DIO questionnaire

2

Description
The quality of recording nursing intervention
Timepoint
Before the start and one month after the start of the intervention
Method of measurement
Q-DIO questionnaire

3

Description
The quality of recording nursing outcomes
Timepoint
Before the start and one month after the start of the intervention
Method of measurement
Q-DIO questionnaire

Intervention groups

1

Description
Intervention group: This design is a two-group semi-experimental study that is conducted on 70 nurses working in the Cardiology Department of Imam Reza (AS) Mashhad Hospital and their nursing reports. The intervention and control groups are determined by non-random allocation. For the intervention group, an in-service training course on the use of standard nursing language will be held in the form of a 6-hour workshop (4 sessions of 90 minutes) over two days by the method of lectures, case studies and group work. And the managers of the shifts will check the quality of the registration based on the training provided and provide the necessary feedback to the nurses. Data collection in both intervention and control groups will be before the training workshop and four weeks after the end of the training course. The obtained information will be analyzed.
Category
N/A

2

Description
Control group: This design is a two-group semi-experimental study that is conducted on 70 nurses working in the Cardiology Department of Imam Reza (AS) Mashhad Hospital and their nursing reports. The intervention and control groups are determined by non-random allocation. No special action is taken for the intervention group. Information is collected. The obtained information will be analyzed. After the completion of data collection, if the control group wishes, a training workshop will be held for this group as well.
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Reza (AS) Mashhad Hospital
Full name of responsible person
Atusa Aryafar
Street address
Imam Reza (a.s.) Hospital Square, Imam Reza (a.s.) Educational Research and Treatment Center, Mashhad, Razavi, Khorasan
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Razavi Khorasan
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Phone
+98 51 3385 4303
Email
AriafarA2@mums.ac.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Mashhad University of Medical Sciences
Full name of responsible person
Dr Talat Khadivzadeh
Street address
Khorasan Razavi, University of Mashhad, Doctor's Crossroad, Ibn Sina Street, Nursing and Midwifery Faculty, Research Vice
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Mashhad

Province
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9137913199
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+98 51 3859 8016
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khadivzadeht@mums.ac.ir

Grant name

Grant code / Reference number

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

Title of funding source
Mashhad 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
Mashhad University of Medical Sciences
Full name of responsible person
Hasanabadi Samaneh
Position
student
Latest degree
Bachelor
Other areas of specialty/work
Nursery
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Faculty of Nursing and Midwifery, Doctor's Crossroad, Ibn Sina Street, University of Mashhad, Khorasan Razavi
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Other areas of specialty/work
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Person responsible for updating data

Contact

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Position
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Latest degree
Bachelor
Other areas of specialty/work
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available

Study Protocol
Yes - There is a plan to make this available

Statistical Analysis Plan
Yes - There is a plan to make this available

Informed Consent Form
Yes - There is a plan to make this available

Clinical Study Report
Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Releaseable information will be released after consultation with the research team

When the data will become available and for how long

Releaseable information will be released after consultation with the research team

To whom data/document is available

Releaseable information will be released after consultation with the research team

Under which criteria data/document could be used

Releaseable information will be released after consultation with the research team

From where data/document is obtainable

Releaseable information will be released after consultation with the research team

What processes are involved for a request to access data/document

Releaseable information will be released after consultation with the research team

Comments