Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of the effect of Group reflection on the knowledge and the skills of nurses in patient handover process from recovery to general surgery units

Protocol summary

Study aim
Determining the effect of group reflection on the knowledge and skills of nurses in the process of nursing handover from recovery to general surgery units

Design
Single group clinical trial without blinding, Census sampling including 41 nurses and 123 nursing handover processes

Settings and conduct
The place of implementation of the project is the recovery and general surgery units of Namazi Hospital. How to run: Sending an introduction letter and visiting the hospital Sampling by head count method Obtaining written and verbal consent to participate in the study Presentation of demographic profile questionnaire and knowledge test to the participants Before the start of reflection sessions, from each participant, a delivery process is observed in each shift and the nursing handover process evaluation checklist is completed. Divide participants into groups of 7 people Organizing 3 group reflection sessions for each group Sharing at least two scenarios in each session One week after the intervention: conducting the knowledge test again, observing a handover of a participant in each shift and completing the checklist for evaluating the nursing handover process

Participants/Inclusion and exclusion criteria
The intended participants in this study include nurses involved in the nursing handover process from recovery to general surgery units.

Intervention groups
A single-group interventional study only includes the experimental group, and the desired intervention in this study is holding reflection sessions and group discussions with nurses involved in the nursing handover process.

Main outcome variables
Group Reflection; Knowledge and skills of nurses in the field of nursing handover process

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20231014059711N1**
Registration date: **2023-10-21, 1402/07/29**
Registration timing: **registered_while_recruiting**

Last update: **2023-10-21, 1402/07/29**
Update count: **0**

Registration date
2023-10-21, 1402/07/29

Registrant information

Name
Sahar Yousefi Ghalati

Name of organization / entity

Country
Iran (Islamic Republic of)

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2023-10-21, 1402/07/29

Expected recruitment end date
2024-01-18, 1402/10/28

Actual recruitment start date
empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of Group reflection on the knowledge and the skills of nurses in patient handover process from recovery to general surgery units

Public title

Evaluation of the effect of Group reflection on the knowledge and the skills of nurses in nursing handover process

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Having at least a bachelor's degree in nursing Having at least 6 months of work experience in the desired units Failure to participate in educational programs related to the subject

Exclusion criteria:

Failure to participate in more than one reflection session Failure to participate in the pre- or post-test Unwillingness to continue cooperation in the study

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **41**

More than 1 sample in each individual

Number of samples in each individual: **3**

The number of nursing personnel is 41. Considering that the patient handover process is done for each nurse in all three shifts, a total of 123 patient delivery processes will be examined.

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shiraz University of Medical Sciences

Street address

4th Floor, Nakhl Building, Shahid Zarif Street, 17th Alley, Razi Blvd

City

Shiraz

Province

Fars

Postal code

8451115571

Approval date

2023-09-23, 1402/07/01

Ethics committee reference number

IR.SUMS.NUMIMG.REC.1402.074

Health conditions studied

1

Description of health condition studied

Nursing handover process

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The knowledge score of nurses in the field of nursing handover process in the knowledge test

Timepoint

During the initial observation, before the intervention, one week after the intervention

Method of measurement

Knowledge test(designed by the researcher)

2

Description

The level of nurses' skill in the field of nursing handover process in the evaluation checklist of the nursing handover process after surgery

Timepoint

During the initial observation, before the intervention, one week after the intervention

Method of measurement

Assessment checklist of post-operative nursing handover process

Secondary outcomes

empty

Intervention groups

1

Description

It is an interventional study with a before-and-after

design, so the interventions are carried out in the same way for all samples. At first, demographic characteristics questionnaire and knowledge test are given to the studied community. Before starting the reflection sessions, from each participant, a handover process is observed in each shift and the nursing handover process evaluation checklist is completed by the researcher. In order to intervene, the samples are divided into groups of seven by the researcher, and 3 group reflection sessions are held for each group, and at least two scenarios are shared in each session. Since group reflection is a learner-oriented approach based on discussion in small groups, the principles of group discussion and group dynamics will be followed, and the researcher will play the role of facilitator and the discussion will be done by the participants. Group reflection is done according to the 6-step Gibbs model. In this way, first the scenario is read by one person in the group, and then the discussion takes place in six stages based on the questions that are included at the end of the scenario. After the intervention, we give one week time for the contents to stabilize in the learner's mind, and then the knowledge test is performed again, and also from each participant, one delivery in each shift, observation and checklist of nursing handover process evaluation in the same way as the pre-test is completed.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Namazi Hospital

Full name of responsible person
Sahar Yousefi Ghalati

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4 th Floor, Nakhl Building, Shahid Zarif Street, 17th Alley, Razi Blvd,

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shiraz University of Medical Sciences

Full name of responsible person
Dr. Mohammad Hashem Hashempour

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Grant name

Grant code / Reference number

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

Title of funding source
Shiraz 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
Shiraz University of Medical Sciences

Full name of responsible person
Dr. Marzieh Momin Nesab

Position
Professor

Latest degree
Ph.D.

Other areas of specialty/work
Nursery

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inquiries

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available

Study Protocol
Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available

Analytic Code
Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available