

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jul 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)

Phone

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Email address

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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	Name of ethics committee Ethics Committee of Shiraz University of Medical Sciences
Trial completion date empty	Street address 4th Floor, Nakhl Building, Shahid Zarif Street, 17th Alley, Razi Blvd
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	City Shiraz
Public title Evaluation of the effect of Group reflection on the knowledge and the skills of nurses in nursing handover process	Province Fars
Purpose Education/Guidance	Postal code 8451115571
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	Approval date 2023-09-23, 1402/07/01
Age No age limit	Ethics committee reference number IR.SUMS.NUMIMG.REC.1402.074
Gender Both	Health conditions studied 1 Description of health condition studied Nursing handover process ICD-10 code ICD-10 code description
Phase N/A	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)
Groups that have been masked No information	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
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.	Secondary outcomes empty
Randomization (investigator's opinion) N/A	Intervention groups 1 Description It is an interventional study with a before-and-after
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	

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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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.

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Nursery

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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