

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Sep 2026

Study of the Effect of Teaching on the Effective Communication of the Nurse on Preoperative Anxiety and Postoperative Pain in Patients with High Risk of Cardiopulmonary Bypass surgery in Shohada Kargar Hospital, Yazd

Protocol summary

Study aim

Determining the Effect of Effective Communication Training on Nurses on the Rate of Preoperative Anxiety in Patients with High Risk of Cardio-Respiratory Surgery
Determining the Effect of Effective Communication Training on Nurses on Postoperative Pain in Patients with High Risk of Cardio-respiratory Operations

Design

This is a controlled clinical trial of two groups that are performed sequentially.

Settings and conduct

This study is done in two periods of three months in Shohada Kargar Hospital, Yazd

Participants/Inclusion and exclusion criteria

Criteria for entry (patients); 1. Having high cardio-respiratory risk (according to cardiac or internal counseling) 2. The candidate for surgery is cholecystectomy 3. Be above 18 years of age
Exit criteria (patients); 1. Non-familiar with Persian language 2. Clinical psychological diseases 3. Drug Addiction 4. Emergency attendant

Intervention groups

Research samples are selected from patients admitted to the operating room for at least half an hour before surgery in the operating room filling room, in two consecutive 3-month intervals. During the first 3 months, the nurses who care for the samples did not undergo any training. Patients in this period will be considered as the control group. In the interval of three months, all nurses and operating room personnel will be trained by the professors to train communication techniques and care protocol based on effective communication with the patient and acquire the necessary skills. Patients selected in the second trimester are under the care of trained nurses and patients are considered as the test group.

Main outcome variables

Expected outcomes in this study were the change in preoperative anxiety and postoperative pain in patients with high risk cardiopulmonary bypass surgery under nurses' care

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190429043419N1**

Registration date: **2019-06-03, 1398/03/13**

Registration timing: **retrospective**

Last update: **2019-06-03, 1398/03/13**

Update count: **0**

Registration date

2019-06-03, 1398/03/13

Registrant information

Name

Mohsen Jalali ali abad

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 35 3827 5367

Email address

m.jalali@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-08-27, 1397/06/05

Expected recruitment end date

2019-01-25, 1397/11/05

Actual recruitment start date

2018-10-02, 1397/07/10

Actual recruitment end date

2019-04-04, 1398/01/15

Trial completion date

2019-04-04, 1398/01/15

Scientific title

Study of the Effect of Teaching on the Effective Communication of the Nurse on Preoperative Anxiety and Postoperative Pain in Patients with High Risk of Cardiopulmonary Bypass surgery in Shohada Kargar Hospital, Yazd

Public title

Investigating the Impact of Teaching Effective Communication to the Nurse

Purpose

Supportive

Inclusion/Exclusion criteria**Inclusion criteria:**

Having a high cardio respiratory risk (due to heart or internal counseling) Candidates are cholecystectomy Be over 18 years old

Exclusion criteria:

Unfamiliar with Farsi Infectious diseases Drug addiction Emergency patients

AgeFrom **18 years** old**Gender**

Both

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **80**Actual sample size reached: **80****Randomization (investigator's opinion)**

Not randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Crossover

Other design features

This is a controlled clinical trial in two groups that are run sequentially

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee in Shahid Sadoughi University of Medical Sciences Yazd

Street address

Bahonar Square, Shahid Sadoughi University of Medical Sciences, Yazd

City

yazd

Province

Yazd

Postal code

8916978477

Approval date

2018-09-30, 1397/07/08

Ethics committee reference number

ir.ssu.rec.1397.078

Health conditions studied**1****Description of health condition studied**

The Effect of Teaching Effective Communication to the Nurse on the Patient's Anxiety

ICD-10 code**ICD-10 code description****2****Description of health condition studied**

Effect of teaching on the effective communication of the nurse on the patient's pain

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Effect of effective nursing on preoperative anxiety

Timepoint

Before and after intervention

Method of measurement

Self-Rating Anxiety Scale(SAS)

2**Description**

Effect of teaching on the effect of nurses on postoperative pain

Timepoint

Before and after intervention

Method of measurement

Visual Analogue Scale (VAS)

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: The patients admitted to the operating room, which is cared in the pre operating room at least half an hour before surgery, selected through convenient sampling for three consecutive months after effective nurse communication training. All nurses and operating room personnel are trained by professors in communication and communication protocols based on effective communication with the patient and receive the necessary skills. These patients are under the care of trained nurses.

Category

Other

2

Description

Control group: The patients admitted to the operating room, which is cared in the pre operating room at least half an hour before surgery, selected through convenient sampling for three consecutive months before effective nurse communication training. These patients are under the care of untrained nurses.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Yazd Workers' Hospital

Full name of responsible person

Zohreh Kalani

Street address

Ave. Thaisar Fallahi, Bouali Ave. Nursing Midwifery Faculty

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kalanizohreh@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Dr. Massoud Mirzaei

Street address

Bahonar Square, Shahid Sadoughi University of Medical Sciences, Yazd

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mmirzaei@ssu.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Yazd 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

Yazd University of Medical Sciences

Full name of responsible person

Mohsen Jalali Ali Abad

Position

Master's degree nursing specialist

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for scientific

inquiries

Contact

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Mohsen Jalali Ali Abad

Position

Student Master of Nursing Special Care

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for updating data

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Name of organization / entity

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Position

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Latest degree

Bachelor

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

No more information

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available