

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Impact of preoperative nursing care program on anxiety level of women undergoing surgery

Protocol summary

Summary

The aim of this study is to assess the impact of nursing care on patients' anxiety level before the surgery. In this study, anxiety level compare in two control and experimental groups during admission and before anesthetize. 60 women patients, aged between 15 and 65 years who are considered for elective surgeries (Tubal ligation, hysterectomy, cesarean section), will be divided in to two control and experimental groups randomly. In experimental group, researcher visits patients the day before surgery. In case any diagnosis such as anxiety, lack of awareness or fear, nurse presents required training. Researcher transfers the patient to surgery room and introduces her to surgery team. The control group only receive routine care.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201106286910N1**

Registration date: **2011-10-16, 1390/07/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-10-16, 1390/07/24

Registrant information

Name

Mohammad Ali Soleimany

Name of organization / entity

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Qazvin University of Medical Sciences and Health Services

Expected recruitment start date

2010-04-21, 1389/02/01

Expected recruitment end date

2010-08-23, 1389/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Impact of preoperative nursing care program on anxiety level of women undergoing surgery

Public title

Impact of preoperative nursing care program on anxiety level of women undergoing surgery

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Elective surgery (Tubal ligation, hysterectomy, cesarean section); Age between 15 and 65 years; Ability to communicate. Exclusion criteria: Hearing and vision problems; Drug addiction or use of tranquilizers; Epilepsy and mental illness; Thyroid disease; Hypocalcemia; cardiovascular diseases; Receiving anti-anxiety medication before surgery; Use of corticosteroid drugs.

Age

From **15 years** old to **65 years** old

Gender

Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 50

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qazvin University of Medical Sciences and Health Services

Street address

Faculty of nursing and midwifery, Qazvin University of Medical Sciences and Health Services, Shahid Bahonar Blvd

City

Qazvin

Postal code

Approval date

2010-11-24, 1389/09/03

Ethics committee reference number

56

Health conditions studied

1

Description of health condition studied

Anxiety levels before surgery

ICD-10 code

F00-F09

ICD-10 code description

Organic, including symptomatic, mental disorders

Primary outcomes

1

Description

Anxiety before surgery

Timepoint

Morning of surgery day

Method of measurement

Preoperative Anxiety Scale and the awareness
Amsterdam

Secondary outcomes

1

Description

Cortisol of Serum

Timepoint

Morning of surgery day at 8 o'clock

Method of measurement

Using laboratory techniques

2

Description

Vital signs (respiration rate, pulse rate, heart rate and systolic and diastolic blood pressure)

Timepoint

At admission time and before surgery

Method of measurement

examination by researcher

Intervention groups

1

Description

In experimental group, researcher visits patients the day before surgery and then considers by using daily activities form. In case any nursing diagnosis such as anxiety, lack of awareness or fear, nurse shall present required training. During this visit, patients express their worry about the surgery. Then, by considering situation and perception level of patients, one or several ways for diminishing anxiety will be presented to them. Researcher transfers the patient to surgery room and introduces him to surgery team.

Category

Treatment - Drugs

2

Description

The control group only receive routine care.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Kosar hospital

Full name of responsible person

Street address

City

Qazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qazvin University of Medical Sciences and Health Services

Full name of responsible person

Dr Saeid Asef Zadeh

Street address

Vice chancellor for research, Qazvin University of Medical Sciences and Health Services, Shahid Bahonar Boulevard

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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

Qazvin University of Medical Sciences and Health Services

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**

Qazvin University of Medical Sciences and Health Services

Full name of responsible person

Mohammad Ali Soleimany

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Faculty member, school of nursing and midwifery

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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