

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Clinical trial the effect of before-anesthesia education on crusher surgery through the skin day anxiety, by spinal anesthesia compared with patients with routine care

Protocol summary

Summary

The aim of this study is to evaluate the effect of before-anesthesia education on the level of anxiety in patients. The level of anxiety as the main variable was measured before education and on the morning of surgery using the Spielberger questionnaire. Education was provided to the intervention group according to Miller, 2011, the authoritative source book on anesthesia. The study population included all patients referred to Jahrom Peymanieh hospital for crusher surgery through the skin with spinal anesthesia. Patients with chronic pains and cancer, hearing or verbal impairment, mental and psychological problems, anti-anxiety drug users and health care workers were excluded from the study. The sample size was estimated to be 80 people. Patients were divided randomly, yet systematically, into control group (group I) and intervention group (group II) before surgery. In the first group anesthesia technician- without any intervention -filled out the questionnaire by the patient the day before surgery and on the morning of surgery. The second group received educations and consulting interventions by anesthesia technician in this way that the technician went to the patient's bedside the day before surgery and at first filled out the questionnaire by the patient, then he familiarized the patient with the type of anesthesia and surgical procedure and responded to all questions of the patient. Besides, he explained about the intended anesthetic technique and surgery complications. On the morning of surgery, the technician again met the patient in the operating room and filled out the questionnaire by the patient before surgery. All Patients had informed consent to participate in the study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013071814049N1**

Registration date: **2016-02-10, 1394/11/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-02-10, 1394/11/21

Registrant information

Name

Ali Abbasi Jahromi

Name of organization / entity

Jahrom University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 79 1334 1501

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abbasija@jums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Jahrom University of Medical Sciences

Expected recruitment start date

2013-04-21, 1392/02/01

Expected recruitment end date

2014-04-21, 1393/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical trial the effect of before-anesthesia education on crusher surgery through the skin day anxiety, by spinal anesthesia compared with patients with routine care

Public title

The effect of before-anesthesia education on surgery day anxiety

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: They include all patients who are to undergo crusher surgery through the skin in Peymanieh hospital affiliated with Jahrom University of Medical Sciences; spinal anesthesia can be performed for them; Informed consent to participate in this study. Exclusion criteria: education under primary school; chronic pains and cancer; Hearing or speech impairment; lack of mental and psychological health; chronic use of painkillers and narcotics; Unstable hemodynamic status; expressing disagreement for continuing the research; health care workers; anti-anxiety drug users; Incomplete filling of the questionnaire

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 80

Randomization (investigator's opinion)

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

Ethic Committee of Jahrom University of Medical Sciences

Street address

School of medicine, Motahhari Blvd, Jahrom

City

Jahrom

Postal code

Approval date

2014-02-10, 1392/11/21

Ethics committee reference number

2766/د/پ

Health conditions studied

1

Description of health condition studied

The level of anxiety after educating patient

ICD-10 code

F48.8

ICD-10 code description

Other specified neurotic disorders

Primary outcomes

1

Description

Anxiety

Timepoint

The day before and the morning of surgery

Method of measurement

Spielberger questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

In the Control group: anesthesia technician- without any intervention -filled out the questionnaire by the patient the day before surgery and on the morning of surgery

Category

N/A

2

Description

Intervention group: Anesthesia technician went to the patient's bedside the day before surgery and filled out the questionnaire by the patient, before offering educations, then he familiarized the patient with the type of anesthesia and surgical procedure and responded to all questions of the patient. Besides, he explained about the intended anesthetic technique and surgery complications. On the morning of surgery, the technician again met the patient in the operating room and filled out the questionnaire by the patient before surgery.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Peymanieh Hospital

Full name of responsible person

Farzaneh Mehran

Street address

Nakhlestan Blvd, Jahrom

City

Jahrom

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Jahrom University of Medical Sciences

Full name of responsible person

Solh Ju Kavos

Street address

Vice chancellor for research, Jahrom University of Medical Sciences, Motahhari Blvd, Jahrom Jahrom

City

Jahrom

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Jahrom University of Medical Sciences

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

Jahrom University of Medical Sciences

Full name of responsible person

Farzaneh Mehran

Position

Anesthesia Undergraduate Student

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Jahrom University of Medical Sciences

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Abbasi Jahromi Ali

Position

Faculty member

Other areas of specialty/work

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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