

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

The Effects of Videos Education on Preoperative Anxiety and Pulmonary Condition after Open Heart Surgery

Protocol summary

Summary

The presented research is single blind semi-experimental study. statistical presenter will not be informed of the relations between codes and groups. The study determined the effect of media's education on pre-operative anxiety & post-operative pulmonary condition on 64 candidates patient who will be gone under open heart surgery in mashhad's emam reza hospital on year 2016. inclusion criteria: patient's age should range between 18-64; able to convey speech & communication; no medical history of previous heart surgery; no medical history of any sort of pulmonary disease prior to operation; no medical history of mental disorders or gone under severe stressful condition in last 6 month prior to operation. Exclusion criteria: patients requiring cardiopulmonary resuscitation; ventricular tachycardia or ventricular fibrillation after surgery; lack of desire to continue cooperation in the project; cardiogenic pulmonary edema (According to the doctor); Severe pleural effusion (according to the doctor); pulmonary embolism. candidates will be divided intentionally(non-randomized) in to 2 groups(control & intervention) but the begging of allocating will be specified by random. in control group patient's education will be done by pamphlet & face to face method before surgery while in intervention group patient's education will be done by showing educational videos. in both groups patient's level of anxiety will be evaluate once before performing the educational method and once before the start of operation. also in both groups respiratory condition will be checked once before performing the educational method and once after 24 hrs of extubation. In both groups respiratory condition before and after surgery, anxiety before and after trainings will be checked before the patient's entrance to the Operation Room.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016051627925N1**

Registration date: **2016-06-14, 1395/03/25**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-06-14, 1395/03/25

Registrant information

Name

Amir Zoka

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 51 3822 4395

Email address

zokaa921@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences

Expected recruitment start date

2016-06-21, 1395/04/01

Expected recruitment end date

2016-08-21, 1395/05/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effects of Videos Education on Preoperative Anxiety and Pulmonary Condition after Open Heart Surgery

Public title

The Effects of Videos Education on Anxiety and Pulmonary Condition in Open Heart Surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: iranian nationality; Having written consent to participate in research; between 64-18 years old; the patient is conscious; having a minimum level of literacy; able to speak and communicate; no history of heart surgery; no history of pulmonary diseases; no history of mental illness or stressful severe in the past 6 months Exclusion criteria: patients requiring cardiopulmonary resuscitation; ventricular tachycardia or ventricular fibrillation after surgery; lack of desire to continue cooperation in the project; cardiogenic pulmonary edema (According to the doctor); Severe pleural effusion (according to the doctor); pulmonary embolism

Age

From **18 years** old to **64 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **64**

Randomization (investigator's opinion)

Not randomized

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

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Mashhad University of Medical Sciences

Street address

Mashhad University of Medical Sciences-
Administration Center(Qoreishi Building) – Daneshgah
St. – Mashhad – Iran

City

Mashhad

Postal code**Approval date**

2015-07-04, 1394/04/13

Ethics committee reference number

IR.MUMS.REC.1394.257

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

anxiety

ICD-10 code

F41

ICD-10 code description

Other anxiety disorders

2**Description of health condition studied**

respiratory condition

ICD-10 code

J98

ICD-10 code description

Other disorders of lung

Primary outcomes**1****Description**

anxiety

Timepoint

Before and after the education

Method of measurement

Spielberg form

2**Description**

respiratory condition

Timepoint

after surgery

Method of measurement

Respiratory volume measurement by spirometry and
arterial blood gas analysis respiratory rate view

Secondary outcomes**1****Description**

Mean Arterial Pressure

Timepoint

Intercourse before and after surgery 24 hours after
removal of the breathing tube

Method of measurement

Manometer

2**Description**

Duration of connecting to the Ventilator

Timepoint

After surgery, from the begging of connecting the
ventilator in intensive care unite after separation from

the ventilator
Method of measurement
Clock

3

Description

pain

Timepoint

After surgery (before using spirometry)

Method of measurement

Visual Analog Scale

4

Description

Pulse Pressure

Timepoint

Before and after surgery 24 hours after Extubation

Method of measurement

Manometer

Intervention groups

1

Description

Intervention group: Training Videos before surgery for 15 minutes Content:familiarity with Operating Room, Anesthesia, Intubation; Recovery; Extubation; familiarity with Pulmonary complications; Education Deep Breathing Exercises

Category

Prevention

2

Description

Control group: Providing Educational Pamphlet before surgery Content:familiarity with Operating Room, Anesthesia, Intubation; Recovery; Extubation; familiarity with Pulmonary complications; Education Deep Breathing Exercises

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Street address

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mmashhad University of Medical Sciences

Full name of responsible person

Dr.Saed Eslami

Street address

Mashhad University of Medical Sciences-
Administration Center(Qoreishi Building) – Daneshgah
St. – Mashhad – Iran

City

Mashhad

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Mmashhad 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

Mashhad University Of medical sciences

Full name of responsible person

Amir Zoka

Position

Master Student in Nursing

Other areas of specialty/work

Street address

Unite 14- Block 17- Number 43- Delavaran St.-
Mashhad- Iran

City

Mashhad

Postal code

Phone

+98 51 3822 4395

Fax

Email

zokaa921@mums.ac.ir; zoka.am69@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mashhad University Of Medical Sciences

Full name of responsible person

Amir Zoka

Position

Master Student in Nursing

Other areas of specialty/work

Street address

Unite 14- Block 17- Number 43- Delavaran St.-
Mashhad- Iran

City

Mashhad

Postal code

Phone

+98 51 3822 4395

Fax

Email

zokaa921@mums.ac.ir; zoka.am69@gmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Mashhad University Of Medical Sciences

Full name of responsible person

Amir Zoka

Position

Master Student in Nursing

Other areas of specialty/work

Street address

Unite 14- Block 17- Number 43- Delavaran St.-
Mashhad- Iran

City

Mashhad

Postal code

Phone

+98 51 3822 4395

Fax

Email

zokaa921@mums.ac.ir; zoka.am69@gmail.com

Web page address

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