Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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
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Person responsible for scientific inquiries

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Person responsible for updating data

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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