Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Comparison of the Effect of Information Sharing by Mobile and Electronic board on psychological symptoms of Family members of Patients undergoing Surgery

Protocol summary

Study aim

Comparison of information sharing with Mobile and Electronic Board on Anxiety, Stress and Coping skills of Family members of Patients undergoing Coronary Artery Bypass graft Surgery

Design

randomised controlled trial. 80 main carers of patients undergoing CABG surgery will participate in this study. in order to randomization, the researcher will produce 80 cards, and write C letter on 40 card and M letter on another 40 cards. then the researcher will offer these cards to the participants to randomly select one card among them. if the participant pick up M card, he or she will allocate to the intervention group, and if the participant pick up C card, he or she will allocate to the control group.

Settings and conduct

This study was conducted in 2012 in Neurosurgery and Operating Room of Ayatollah Kashani Hospital in Shahrekord.

Participants/Inclusion and exclusion criteria

Inclusion criteria: 1) Patient is on the list of coronary artery bypass grafts. 2) One of the family members of the patient who plays the main role of supporting the patient at the hospital and after discharge. 3) At least 18 years of age. 4) Not having a history of coronary artery bypass graft surgery, as well as having no history of accompanying patients undergoing coronary artery bypass graft surgery 5) Ability to speak and understand Persian language 6) No history of psychological problems or recognized anxiety and stress disorder based on history and self-declaration 7) Not a member of the healthcare team. 8) Reading literacy (for understanding and reading content on the electronic board) 9) Absence of vision or hearing impairment for the ability to see the electronic board or conversation with the cell phone 10) Having the ability to work with cell phones at the time of making calls (dialing and answering) 11) The desire to collaborate with research 12) Presence from the beginning to the end of the surgery in the waiting room Exit criteria: 1. Lack of motivation of the patient's family to continue cooperation 2. Patient's death during surgery 3. Removal of electrical wiring during surgery for any reason 4. Disturbance on mobile lines and the impossibility of making phone calls

Intervention groups

in the intervention group, after the patient entered the operating room, a mobile phone will be given to the participant and the researcher will give detailed information about patient's condition in the operating room, every hour. for control group, only patient's information including name, doctor and his location in the operating room (recovery room,..) displays on the electronic board. this job is done by operating room personnel and the researcher don't have any role in them.

Main outcome variables

anxiety stress coping skills

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20100511003912N9**
Registration date: **2018-02-23, 1396/12/04**
Registration timing: **registered_while_recruiting**

Last update: **2018-02-23, 1396/12/04**
Update count: **0**

Registration date

2018-02-23, 1396/12/04

Registrant information

Name

Kobra Nourian

Name of organization / entity
Sharekord University of Medical Sciences
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2017-12-22, 1396/10/01
Expected recruitment end date
2018-03-21, 1397/01/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Comparison of the Effect of Information Sharing by Mobile and Electronic board on psychological symptoms of Family members of Patients undergoing Surgery

Public title
Effect of Information Sharing to family member of patients undergoing surgery on thier psychological symptoms
Purpose
Supportive
Inclusion/Exclusion criteria
Inclusion criteria:
Patient is on the list of coronary artery bypass grafts. the family member that has the key role in caring of the patient. At least 18 years of age. Not having a history of coronary artery bypass graft surgery, as well as having no history of accompanying patients undergoing coronary artery bypass graft surgery. Ability to speak and understand Persian language. No history of psychological problems or anxiety and stress disorders known based on history and self-declaration. Not be a member of the healthcare team. Reading literacy، (to understand and read content on the electronic board). having no visual and hearing impairment Having the ability to answer phone calls and make calls desire to particapate in this research
Exclusion criteria:
Failure to motivate the patient's family to continue working. Patient death during surgery. Disconnect the electrical circuit during surgery for any reason. Disturbing cellular lines and impossibility to make phone calls.
Age
From **18 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **80**
Randomization (investigator's opinion)
Randomized
Randomization description
The executor made 80 cards, with 40 of them (M) meaning "intervention" and "40" (C) means control, and the master allowed the card to be selected and participated in the program in the control group. Took
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
Ethics Committee of Shahrekord University of Medical Sciences
Street address
Kashani Blvd., Headquarters of the University
City
Shahrekord
Province
Chahar-Mahal-va-Bakhtiari
Postal code
8815713471
Approval date
2017-09-23, 1396/07/01
Ethics committee reference number
IR.SKUMS.Rcc.154

Health conditions studied

1

Description of health condition studied
Coronary Artery Bypass Grafting
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
Anxity score in Spielberger Anxiety Inventory
Timepoint

before intervention and after the end of surgery

Method of measurement

Spielberger Anxiety Inventory

2

Description

Stress score in Perceived Stress Questionnaire

Timepoint

before intervention and after the end of surgery

Method of measurement

Perceived Stress Questionnaire

3

Description

Coping skills in Blingens & Moos Coping Skills Questionnaire

Timepoint

before intervention and after the end of surgery

Method of measurement

Blingens & Moos Coping Skills Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: in the intervention group, after the patient entered the operating room, a mobile phone will be given to the participant and the researcher will give detailed information about patient's condition in the operating room, every hour.

Category

Other

2

Description

Control group: for control group, only patient's information including name, doctor and his location in the operating room (recovery room,..) displays on the electronic board. this job is done by operating room personnel and the researcher don't have any role in them.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Ayatollah Kashani Hospital

Full name of responsible person

Afsaneh Fazel

Street address

Ayatollah Kashani Hospital, Nursing Street

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahre-kord University of Medical Sciences

Full name of responsible person

Dr. Kamal Solati

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Vice chancellor for research & technology, Kashani Street

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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

Shahre-kord 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

Shahre-kord University of Medical Sciences

Full name of responsible person

Afsaneh Fazel

Position
Nursing Graduate Student

Latest degree
Bachelor

Other areas of specialty/work
Nursery

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Shahrekord University of Medical Sciences, Faculty of Nursing and Midwifery, Rahmatieh

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Person responsible for scientific inquiries

Contact

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Position
Instructor

Latest degree
Master

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Nursery

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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
there are 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