Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effect of showing an educational video related to implant surgery on patients anxiety level

Protocol summary

Study aim
The effect of showing an educational video related to implant surgery on patients anxiety level

Design
We will use the Restricted Randomization method with blocks of six. The sample size is expected to be 60 people

Settings and conduct
Preparation of educational video This video is performed by a maxillofacial surgeon and the implant procedure is explained step by step Obtaining informed consent from these patients, randomly dividing patients into two intervention and control groups using random allocation of permuted blocks. An explanation about the research and the process of doing the work, then the completion of the relevant questionnaires by the subjects under study, which will be completed by the patient himself or his companion if they are literate, and by the researcher if they are not literate. For the control group, there is no intervention and the questionnaire is completed only on two occasions For all patients, basic instructions are given regarding the method of implant surgery The educational video will be shown to the intervention group on different days, and two groups will not visit on the same day. The relevant patients are completed The questionnaire is only explained to the patients by the relevant researcher For the control group, only the questionnaire is explained

Participants/Inclusion and exclusion criteria
Patients who are candidates for implant surgery for the first time and do not have a history of previous anxiety and do not have a systemic disease that interferes with implant surgery.

Intervention groups
In this study, an educational film is shown to the intervention group and its effect on the patient's anxiety is evaluated

Main outcome variables
Increase patient anxiety

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20221114056499N1**
Registration date: **2022-11-30, 1401/09/09**
Registration timing: **prospective**

Last update: **2022-11-30, 1401/09/09**
Update count: **0**

Registration date
2022-11-30, 1401/09/09

Registrant information

Name
Ali Hematian

Name of organization / entity

Country
Iran (Islamic Republic of)

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hematian_ali@yahoo.com

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2022-12-21, 1401/09/30

Expected recruitment end date
2023-02-19, 1401/11/30

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title

The effect of showing an educational video related to implant surgery on patients anxiety level

Public title
The effect of showing video on anxiety
Purpose
Prevention
Inclusion/Exclusion criteria
Inclusion criteria:
Candidates for implant surgery Need implant surgery for the first time Do not have complete information about implant surgery In general, the patient should not be anxious
Exclusion criteria:
The presence of systemic diseases that interfere with implant surgery Having information about implant surgery Have experience in implant surgery
Age
No age limit
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **60**
Randomization (investigator's opinion)
Randomized
Randomization description
Balanced random distribution: Our sample size is 60 people First, we consider 10 blocks of 6 people (that is, the process of random division is balanced for 6 patients) and from every 6 people who enter a block, we divide them into two groups, A and B, now all the situations that can be 3A and 3B I write to have, which can be 20 cases We determine the sampling numbers for each of the blocks because each block must have the same chance of selection as the others and the sampling numbers must be the same for all groups.
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 Semnan University of Medical Sciences
Street address
Semnan, Basij Blvd., Central Headquarters of Semnan University of Medical Sciences, Research and Technology Vice-Chancellor
City
Semnan
Province
Semnan
Postal code
3514799442
Approval date
2022-10-09, 1401/07/17
Ethics committee reference number
IR.SEMUMS.REC.1401.184

Health conditions studied

1

Description of health condition studied
Implant surgery
ICD-10 code
F41.1
ICD-10 code description
Disorders of adult personality and behaviour

Primary outcomes

1

Description
Increase or Decrease anxiety
Timepoint
The level of anxiety is measured immediately before and after the video is shown
Method of measurement
The level of anxiety is measured by the Spielberger questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Intervention group: an educational video is shown to this group, and immediately before and after the video is shown, the decrease or increase in the patient's anxiety level is measured by a questionnaire.
Category
Behavior

2

Description
Control group: Control group: only 2 questionnaires are filled for the patient, one in the first stage of cooking and the other before the operation
Category
Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center
Semnan University of Medical Sciences dental clinic

Full name of responsible person
Zahra Amiri

Street address
17 Shahrivar Blvd

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94431-35187

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Semnan University of Medical Sciences

Full name of responsible person
Ava Nikbin

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Headquarter of Semnan University of Medical Sciences and Health Services, Bassij Blvd, Semnan, Iran

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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
Semnan University of Medical Sciences

Proportion provided by this source
1

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
Semnan University of Medical Sciences

Full name of responsible person
Ali Hemmatian

Position
Student

Latest degree
A Level or less

Other areas of specialty/work
Dentistry

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available