

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jul 2026

The effect of eye movements desensitization and reprocessing on death anxiety, cognitive function and improvement active memory in patients with myocardial infarction in Yasuj city

Protocol summary

Study aim

Determining the effect of eye movements desensitization and reprocessing on death anxiety, cognitive function and improvement active memory in patients with myocardial infarction

Design

In this study, 60 patients with myocardial infarction, who wish to participate in the study, will be selected from among the patients with inclusion criteria by available sampling method and will be randomly assigned to two experimental and control groups; A total of 60 patients with myocardial infarction will be selected and randomly divided into two groups of 30 in each of the experimental and control groups.

Settings and conduct

The treatment will be performed in the cardiac counseling room and in the medical and educational environment of the hospital or in a private place and counseling centers with the consultation and coordination of the group therapy (researcher and cardiologist consultant).

Participants/Inclusion and exclusion criteria

Inclusion criteria include: diagnosis of myocardial infarction by a cardiologist, stable hemodynamic status of patients, no vision problems, maximum age 60 years, minimum literacy, ability to listen normally and informed consent to participate in treatment sessions Was. Exclusion criteria include the presence of mental disorders that require immediate treatment

Intervention groups

In addition to receiving routine medical care, patients in the experimental group will be treated with eye movement desensitization and reprocessing for one week to two weeks (according to the standard 8-step protocol), in addition to receiving standard one-hour medical care. Patients in the control group will receive only routine medical care during this period.

Main outcome variables

death anxiety; Cognitive function; Working memory

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190822044581N5**

Registration date: **2022-06-29, 1401/04/08**

Registration timing: **registered_while_recruiting**

Last update: **2022-06-29, 1401/04/08**

Update count: **0**

Registration date

2022-06-29, 1401/04/08

Registrant information

Name

Naeem Abdi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 74 3222 3853

Email address

naiem.abdi@yums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-06-05, 1401/03/15

Expected recruitment end date

2022-09-06, 1401/06/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
The effect of eye movements desensitization and reprocessing on death anxiety, cognitive function and improvement active memory in patients with myocardial infarction in Yasuj city

Public title
The effect of eye movements desensitization and reprocessing on death anxiety, cognitive function and improvement active memory in patients with myocardial infarction in Yasuj city

Purpose
Supportive

Inclusion/Exclusion criteria
Inclusion criteria:
 diagnosis of myocardial infarction by a cardiologist, stable hemodynamic status of patients no vision problems maximum age 60 having a minimum literacy ability to listen normally Informed consent to participate in treatment sessions
Exclusion criteria:
 Existence of mental disorders requires immediate treatment

Age
From **30 years** old to **60 years** old

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
The studied samples were divided into two groups through block random allocation process. Thus, first by multiplying the number of groups studied (two groups) by 2, the number of samples of each block is calculated equal to 4, then by factorial calculation the number of samples of each block ($24 = 1 \times 2 \times 3 \times 4 = 4!$) The number of blocks resulting from all states of arrangement of individuals, 24 calculated blocks and blocks involving the possible arrangement of individuals were considered as A and C for the intervention group and B and D for the control group as follows: 12 11 10 9 8 7 6 5 4 3 2 1 BDCA BDAC BCDA BCAD BADC BACD ADCB ADBC ACDB ACBD ABDC ABCD 24 23 22 21 20 19 18 17 16 15 14 13 DCBA DCAB DBCA DBAC DACB DABC CDBA CDAB CBDA CBAD CADB CABD Since the number of people in each block was 4 people and the estimated sample size was 60 people, so by matching 20 random numbers generated by the Sample Randomizer software with the number of the above blocks, how to arrange 60 people research simple and assign each number from one to Sixty to one of the specific intervention and control groups and a block random allocation list were

compiled. In order to create sequences and concealment, online software with the following address will be used, and a special randomization code will be generated. Sealed Envelope Ltd. 2021. Create a blocked randomisation list. [Online] Available from: <https://www.sealedenvelope.com/simple-randomiser/v1/lits> [Accessed 18Jun 2022]

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 Islamic Azad University - Yasouj Branch
Street address
 Sisakht Road, Islamic Azad University, Yasuj Branch, Yasuj
City
 Yasuj
Province
 Kohgiluyeh-va-Boyer-Ahmad
Postal code
 7591493686
Approval date
 2022-02-07, 1400/11/18
Ethics committee reference number
 IR.IAU.YASOOJ.REC.1400.003

Health conditions studied
1
Description of health condition studied
 Death anxiety, cognitive function, working memory
ICD-10 code
ICD-10 code description

Primary outcomes
1
Description
 death anxiety in cardiovascular patients
Timepoint
 At the beginning of the intervention and immediately after the end of the intervention
Method of measurement
 Templer Death anxiety scale

2

Description

Cognitive Function

Timepoint

At the beginning of the intervention and immediately after the end of the intervention

Method of measurement

Cognitive Function Questionnaire of Foulestin et al. 1975

3

Description

Measure working memory

Timepoint

At the beginning of the intervention and immediately after the end of the intervention

Method of measurement

Wechsler working memory test

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In addition to receiving routine medical care, patients in the experimental group will be treated with ocular desensitization and reprocessing according to the standard 8-step protocol for one to two weeks for 6 one-hour sessions. The treatment will be performed in the cardiac counseling room and in the medical and educational environment of the hospital or in a private place and counseling centers with the consultation and coordination of the group therapy (researcher and cardiologist consultant).

Category

Treatment - Other

2

Description

Control group: In the control group patients during this period will receive only routine care such as doctor's visit and medication and nursing interventions related to the disease and no therapeutic intervention will be performed by the researcher. Patients in this group will complete questionnaires of death anxiety, cognitive function and working memory improvement both at the beginning of the intervention and immediately after the intervention.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Sajad Hospital of Yasuj

Full name of responsible person

Dr Ali Reza Maredpour

Street address

Sisakht Road, Islamic Azad University, Yasuj Branch, Yasuj

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

, Islamic Azad University, Yasuj Branch

Full name of responsible person

Dr Armin Mahmmodi

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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

, Islamic Azad University, Yasuj Branch

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

Islamic Azad University, Yasuj Branch

Full name of responsible person

Dr Ali Reza Maredpour

Position

Assistance professor

Latest degree

Ph.D.

Other areas of specialty/work

Psychology

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Person responsible for updating data

Contact

Name of organization / entity

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Position

PhD student in psychology

Latest degree

Master

Other areas of specialty/work

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Latest degree

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Other areas of specialty/work

Psychology

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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

It will be updated after talking to the samples about the publishing process

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