

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Designing, Implementing and Evaluating of interventional programs Based on Protection Motivation Theory on dust phenomenon exposure risk reduction on Cardiovascular disease patients: a Mix method approach

Protocol summary

Study aim

determine the effects of interventions to reduce the risk of exposure to dust phenomenon based on protection motivation theory in cardiovascular disease patients

Design

Randomised controlled trial, with parallel groups and Community based. Sample size included 140 patients

Settings and conduct

From 23 health centers in Ahvaz, selecting 4 center, then from existing list of confirmed Cardiovascular disease patients, 140 patients willing to participate, will be recruited. 2 Center for the intervention group and 2 as the control group. The pre-test will be carried out after the allocation of groups. Then the interventions will be done, and post-test will be carried out 2 months after the intervention.

Participants/Inclusion and exclusion criteria

Inclusion criteria: have the desire to participate in the study, have cardiovascular disease, residents of Ahvaz, no physical disability and no psychological disorder, no deaf and blindness, ability to attend training sessions. Exclusion criteria: Residence less than 6 months in Ahvaz, Age less than 30 years.

Intervention groups

The intervention will be done in 2 groups: 1) Intervention group n = 70; The intervention consists of three consecutive one-hour sessions, and the educational program will be conducted using appropriate methods based on protection motivation theory and educational needs obtained during the sessions. Also, pamphlets and SMS messages are sent to individuals according to the conditions and during the intervention period. 2) Control group n = 70; No educational program will be implemented.

Main outcome variables

Behavior of risk reduction exposure to dust phenomena

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181127041775N1**

Registration date: **2019-04-02, 1398/01/13**

Registration timing: **retrospective**

Last update: **2019-04-02, 1398/01/13**

Update count: **0**

Registration date

2019-04-02, 1398/01/13

Registrant information

Name

Mehdi Mojadam

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 35 3149 2178

Email address

mehdi.8984@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-12-08, 1397/09/17

Expected recruitment end date

2019-03-08, 1397/12/17

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
 Designing, Implementing and Evaluating of interventional programs Based on Protection Motivation Theory on dust phenomenon exposure risk reduction on Cardiovascular disease patients: a Mix method approach

Public title
 Designing, Implementing and Evaluating of interventional programs on dust phenomenon exposure risk reduction on Cardiovascular disease patients

Purpose
 Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
 Have the desire to participate in the study. Have cardiovascular disease. They are residents of Ahvaz. There is no physical disability and no psychological disorder. Have low hearing and hearing impairment or low vision and blindness. Ability to attend training sessions.
Exclusion criteria:
 Residence less than 6 months in Ahvaz Age less than 30 years

Age
 From **30 years** old

Gender
 Both

Phase
 N/A

Groups that have been masked
No information

Sample size
 Target sample size: **140**

Randomization (investigator's opinion)
 Randomized

Randomization description
 From 23 health centers, selecting 4 center (2 intervention center and 2 control center), then from a list of Cardiovascular disease patients confirmed, 140 patients willing to participate , will be recruited through simple random sampling using [/https://www.randomizer.org](https://www.randomizer.org).

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 Yazd Shahid Sadoughi University of Medical Sciences

Street address

School of Public Health, Shahid Sadoughi University of Medical Sciences, Safaiyeh, Yazd

City

Yazd

Province

Yazd

Postal code

8915173160

Approval date

2017-05-30, 1396/03/09

Ethics committee reference number

IR.SSU.SPH.REC.1396.36

Health conditions studied

1

Description of health condition studied

Dust phenomenon

ICD-10 code

X37.3

ICD-10 code description

Dust storm

Primary outcomes

1

Description

Behavior of risk reduction exposure to dust phenomena

Timepoint

Assessing the behavior of reducing the risk of exposure to dusts in the beginning of the study (before the intervention) and 60 days after the intervention.

Method of measurement

Reducing exposure to dust questionnaire , based on motivation protection theory

Secondary outcomes

1

Description

Protection Motivation (Intention) of risk reduction exposure to dust phenomena

Timepoint

Assessing the Protection Motivation (Intention) of reducing the risk of exposure to dusts in the beginning of the study (before the intervention) and 60 days after the intervention.

Method of measurement

Reducing exposure to dust phenomena questionnaire , based on motivation protection theory

Intervention groups

1

Description

Intervention group: the educational program will be conducted using appropriate methods based on protection motivation theory and educational needs obtained during the sessions. The interventions include 3 one hour sessions in 3 consequent days, with distribution of pamphlet and sending the SMS message. Educational sessions include: Objectives, Introduce the risk factors and the effects of dust on health, Perform self-care and preventative behaviors from dust exposure.

Category

Prevention

2

Description

Control group: No educational program will be implemented.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Ahvaz west health center

Full name of responsible person

Mehdi Mojadam

Street address

15 West Street, Kianabad Blvd, Ahvaz

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Masoud Mirzaei

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Shahid Sadoughi University of Medical Sciences, Safaiyeh, Yazd

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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

Yazd 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

Yazd University of Medical Sciences

Full name of responsible person

Mehdi Mojadam

Position

Student

Latest degree

Ph.D.

Other areas of specialty/work

Health in Emergency and Disaster

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Mohammad Hasan Ehrampoush

Position

Professor

Latest degree

Ph.D.

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Mehdi Mojadam

Position

Student

Latest degree

Ph.D.

Other areas of specialty/work

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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