# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

27 Sep 2026

## Investigating the Effect of Intervention based on BASNEF model on Quality of Life and Adherence to Treatment among Myocardial Infarction Patients

## Protocol summary

**Study aim**

Determination of the effect of BASNEF-based intervention on quality of life and adherence to treatment in patients with myocardial infarction

**Design**

This clinical trial has two groups, The groups are parallel, randomized and sample size in each group is 40.

**Settings and conduct**

As mentioned study population are people with myocardial infarction that selected by simple sampling. The place of intervention is Kashani and Hajar hospitals of Shahrekord. Sample size in each group is 40.The intervention group, a BASNEF-based training program that includes three 45-minute training sessions and a three-month follow-up, will be conducted individually for each of the participants in the group and the control group receives routine care.

**Participants/Inclusion and exclusion criteria**

Inclusion criteria: Suffering from first myocardial infarction؛Lack of mental disorders and mental retardation؛willing to participate in the study؛Ability to read and write Persian language؛Ability to communicate With the research team.Non-inclusion criterion:Unwilling to continue participating in the study؛Creating complications that cause the patient to not be able to continue studying.

**Intervention groups**

The study consists of two groups. The intervention group receives an educational program based on the BASNEF model and the control group receives routine care.

**Main outcome variables**

Improve lifestyle; Familiarity with cardiac function and risk factors for the heart; Adherence to controllable factors in the prevention of myocardial infarction

## General information

**Reason for update**

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT20181024041449N4**
Registration date: **2019-04-22, 1398/02/02**
Registration timing: **registered_while_recruiting**

Last update: **2019-04-22, 1398/02/02**
Update count: **0**

**Registration date**

2019-04-22, 1398/02/02

**Registrant information**

**Name**

ali hassanpourdehkordi

**Name of organization / entity**

**Country**

Iran (Islamic Republic of)

**Phone**

+98 38 3334 6720

**Email address**

alihassanpourdehkordi@skums.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

**Expected recruitment start date**

2019-03-21, 1398/01/01

**Expected recruitment end date**

2020-03-20, 1399/01/01

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**
Investigating the Effect of Intervention based on BASNEF model on Quality of Life and Adherence to Treatment among Myocardial Infarction Patients

**Public title**
Examining the effect of BASNEF model on patients with myocardial infarction

**Purpose**
Education/Guidance

**Inclusion/Exclusion criteria**

**Inclusion criteria:**
Suffering from first myocardial infarction Lack of mental disorders and mental retardation willing to participate in the study Ability to read and write Persian language Ability to communicate With the research team

**Exclusion criteria:**
Unwilling to continue participating in the study Creating complications that cause the patient to not be able to continue studying.

**Age**
No age limit

**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 random allocation; the study participants are divided into two intervention and control groups using a random number table, which is extracted from random statistical software.

**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 Shahrkord University Of Medical Sciences

**Street address**
University Of Medical Sciences, Rahmatie, Shahrkord Town.

**City**
Shahrekord

**Province**
Chahar-Mahal-va-Bakhtiari

**Postal code**
8815713471

**Approval date**
2019-02-19, 1397/11/30

**Ethics committee reference number**
IR.SKUMS.REC.1397.286

## Health conditions studied

### 1

**Description of health condition studied**
Acute Myocardial Infarction

**ICD-10 code**
121.9

**ICD-10 code description**
Acute myocardial infarction

## Primary outcomes

### 1

**Description**
Quality of Life

**Timepoint**
At the beginning of the study, immediately after and three months after the intervention

**Method of measurement**
Ferans and Pavers questionnaire

### 2

**Description**
Adherence to treatment

**Timepoint**
At the beginning of the study, immediately after and three months after the intervention

**Method of measurement**
Modanlou questionnaire

### 3

**Description**
BASNEF pattern structures

**Timepoint**
At the beginning of the study, immediately after and three months after the intervention

**Method of measurement**
The adjusted questionnaire based on the structures of the BASNEF model

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**
Intervention group: For the intervention group,Educational support based on the BASNEF model consists of three 45-minute training sessions and three-month follow-ups for each of the participants in this group.The location of the sessions will be in the patient's bedside

**Category**
Treatment - Other

**2**

**Description**
Control group: the control group receive treatment and routine care through visiting by his doctor's at office.

**Category**
N/A

## Recruitment centers

**1**

**Recruitment center**

**2**

**Recruitment center**

**Name of recruitment center**
Kashani hospital

**Full name of responsible person**
Ali Hassanpour Dehkordi

**Street address**
ayatollah kashani hospital, nurse ave

**City**
Shahrekord

**Province**
Chahar-Mahal-va-Bakhtiari

**Postal code**
8816758915

**Phone**
+98 38 3226 4826

**Email**
Kashani@skums.ac.ir

**Web page address**
http://sapp.ir/kashani_hospital_sh

**3**

**Recruitment center**

**Name of recruitment center**
Hajar hospital

**Full name of responsible person**
Ali Hassanpour Dehkordi

**Street address**
Hajar hospital, nurse ave

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hajar@skums.ac.ir

**Web page address**
https://hajarhp.skums.ac.ir/

## Sponsors / Funding sources

**1**

**Sponsor**

**Name of organization / entity**
Shahre-kord University of Medical Sciences

**Full name of responsible person**
dr kamal solati

**Street address**
Shahrekord University Of Medical Sciences, Rahmatie, Shahrkord..

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**Province**
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8815713471

**Phone**
+98 38 3333 0061

**Email**
kamal_solati@yahoo.com

**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**
Ali Hassanpour Dehkordi

**Position**
Associate Professor

**Latest degree**
Ph.D.

**Other areas of specialty/work**
Nursery

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## Person responsible for scientific inquiries

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**Latest degree**
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## Person responsible for updating data

**Contact**

**Name of organization / entity**
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Ali Hassanpour Dehkordi

**Position**
Associate Professor

**Latest degree**
Ph.D.

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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**
No - There is not a plan to make this available

**Statistical Analysis Plan**
Not applicable

**Informed Consent Form**
Undecided - It is not yet known if there will be a plan to make this available

**Clinical Study Report**
Not applicable

**Analytic Code**
Not applicable

**Data Dictionary**
Not applicable