Clinical Trial Protocol
Iranian Registry of Clinical Trials
25 Oct 2022

Occupational Performance Coaching on Self-Care Behavior, Participation Level and Depression in Adults With Heart Failure

Protocol summary

Study aim
The effectiveness of occupational performance coaching intervention on self-care behaviors, participation and depression of heart failure patients

Design
Randomized trial with control group, with parallel group, randomized, single blind, in 40 HF patient, Web-based block randomization

Settings and conduct
After receive the ethics code, sampling and intervention will be performed in Hospital. After referring the patients and sign a consent form and confirm with the inclusion and exclusion criteria, the assessments will be done by a blind research assistant. All assessments will be repeated the end of intervention and one month after that. Both groups will receive standard self-care training at Tehran Shahid Rajaei Heart Hospital. The intervention group will also receive occupational performance coaching intervention.

Participants/Inclusion and exclusion criteria
Inclusion criteria: Heart failure(HF) patient aged 18 to 65 who are literate, with HF levels 1, 2 and 3 based on the NYHA classification system.left ventricular ejection fraction less than 40%. Having mild or moderate depression, good cognitive function, scoring less than 70 in the self-care of HF index. Having vision and hearing problems, living in care institutions, having unstable angina or high blood pressure, having psychiatric treatment and any neurological and psychological disorders, hospitalization and infection with COVID19 virus at the time of intervention.

Intervention groups
Intervention group: in additional to usual care, this group will receive occupational performance coaching. This intervention will be done to achieve the client's goals in 8 sessions for 1 hour maximum. Control group: received the standard self-care criteria of Tehran Shahid Rajaei Heart Hospital

Main outcome variables
Self-care behavior, Participation

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: IRCT20120910010806N10
Registration date: 2021-05-21, 1400/02/31
Registration timing: registered_while_recruiting

Last update: 2021-05-21, 1400/02/31
Update count: 0

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2021-05-20, 1400/02/30

Expected recruitment end date
2022-04-03, 1401/01/14

Actual recruitment start date
empty
Actual recruitment end date empty
Trial completion date empty

Scientific title
Occupational Performance Coaching on Self-Care Behavior, Participation Level and Depression in Adults With Heart Failure

Public title
Occupational Performance Coaching on Self-Care Behavior, Participation Level and Depression in Adults With Heart Failure

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
Patients aged between 18 and 65 years clinical diagnosis of HF levels 1, 2 and 3 according to the New York Heart Association classification system (NYHA) by a cardiologist and left ventricular ejection fraction less than 40% based on echocardiography Have acute coronary artery syndrome for the past 2 weeks or coronary artery bypass graft disease or medical surgery based on a diagnosis made by a cardiologist be able to read, write and fill out questionnaires not having severe depression based on the CDS questionnaire (scoring less than 100) having good cognitive function (score above 22 in MMSE test) having a score less than 70 in self-care behavior scale

Exclusion criteria:
History of claudication, clinical instability, ventricular arrhythmia, primary valve disease, congenital heart disease, hypertrophic or restrictive cardiomyopathy, myocarditis, COPD and pericardial effusion, and history of myocardial infarction in the previous month, acute coronary artery syndrome during the last 2 weeks or patients with coronary artery bypass graft or heart surgery, . . . . Being a recipient of other occupational therapy services Having vision and hearing problems that prevent communication Hospitalization at the time of implementing the intervention, Living in maintenance institutions Having unstable angina or high blood pressure Having any psychiatric disorder treated based on medical documentation Having any neurological or psychological disorders that impair the ability to walk or cognitive function Infection with COVID-19 at the time of intervention Having myocarditis, severe COPD and pericardial effusion and a history of myocardial infarction in the previous month and uncontrolled diabetes and kidney failure based on medical documentation

Age
From 18 years old to 65 years old

Gender
Both

Phase
N/A

Groups that have been masked
- Outcome assessor

Sample size
Target sample size: 40

Randomization (investigator’s opinion)
Randomized

Randomization description
Blocked randomization, After selecting the samples in a non-probability simple method, participants will be randomly divided into two groups. Random allocation to the two groups in this study will be done using four and six blocks. The order of the blocks will be selected web-based. Randomization in this study will be done by one of the research colleagues and other researchers and the person performing the intervention will not know about the assignment of groups.

Blinding (investigator’s opinion)
Single blinded

Blinding description
Assessor and will be blind in this study

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee
Name of ethics committee
Iran university of medical sciences and health services

Street address
Iran University of Medical Sciences., Shahid Hemmat highway, Tehran, Iran

City
Tehran

Province
Tehran

Postal code
1449614353

Approval date
2021-03-14, 1399/12/24

Ethics committee reference number
IR.IUMS.REC.1399.1414

Health conditions studied

1

Description of health condition studied
Heart Failure

ICD-10 code
I50

ICD-10 code description
Heart failure

Primary outcomes
1 Description
Self-care Behavior

Timepoint
Before the intervention, after the end of the intervention and in the follow-up, one month after the end of the intervention

Method of measurement
self-care of heart failure index

2 Description
Participation

Timepoint
Before the intervention, after the end of the intervention and in the follow-up, one month after the end of the intervention

Method of measurement
Canadian Occupational Performance Measure

Secondary outcomes

1 Description
Self-efficacy

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
Cardiovascular Management Self Efficacy Scale

2 Description
quality of life

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
Minnesota Living with Heart Failure Questionnaire

3 Description
Physical Functional Capacity

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
6 Minute Walk Test

4 Description
activity of Daily Living

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
Lawton questionnaires

5 Description
fatigue

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
Fatigue Severity Scale

6 Description
Depression

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
Beck Depression Inventory-II

7 Description
cognition level

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
Mini Mental Status Examination

8 Description
Social Support

Timepoint
Before the intervention, after the end of the intervention and in the follow-up period one month after the end of the intervention

Method of measurement
Social Support Scale

Intervention groups

1 Description
intervention group: Includes the heart failure patients referred to Rajaie Cardiovascular, Medical and Research Center, which are treated according to the OPC (occupational performance =Coaching) protocol. In the pilot phase, the OPC is performed in 8 sessions individually by the researcher.

Category
Rehabilitation
Description
Control group: A standard self-care training session of Rajaie Cardiovascular, Medical and Research Center is performed as a usual care for them.

Category
Rehabilitation

Recruitment centers

1
Recruitment center
Name of recruitment center
Rajaie Cardiovascular, Medical and Research Center
Full name of responsible person
Sepideh Taghavi
Street address
Shaheed Rajaie Cardiovascular Medical and Research Center Valiasr Ave Niayesh Intersection
City
Tehran
Province
Tehran
Postal code
1995614331
Phone
+98 21 23921
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+98 21 2204 2026
Email
info@rhc.ac.ir
Web page address
http://www.rhc.ac.ir

Sponsors / Funding sources

1
Sponsor
Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Dr Malahat Akbarfahimi
Street address
Occupational Therapy department-School of Rehabilitation Sciences- Madadkaran alley- Shah-Nazari st-Madar Square-Mirdamad AVE
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Postal code
1545913487
Phone
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Email
akbarfahimi.m@iums.ac.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor
organization/entity?
Yes
Title of funding source
Iran 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
Iran University of Medical Sciences
Full name of responsible person
Zahra Ahmadizadeh
Position
PhD candidate of occupational therapy
Latest degree
Master
Other areas of specialty/work
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Person responsible for updating data

Contact
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Iran University of Medical Sciences
Full name of responsible person
Zahra Ahmadizadeh
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Latest degree
Master
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Occupational Therapy department., School of rehabilitation sciences., Madakaran Ave., Shah-nazar Ave., Madar Sq., Mirdamad Blvd

Email
ahmadizade.z@gmail.com

Sharing plan
Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Yes - There is 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
Yes - There is a plan to make this available
Clinical Study Report
Yes - There is 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
Title and more details about the data/document
Article Published
When the data will become available and for how long
6 months after publication
To whom data/document is available
The researchers and Occupational Therapists
Under which criteria data/document could be used
Other research, critics, check and clinical usage
From where data/document is obtainable
First author and corresponding author
What processes are involved for a request to access data/document
Send Request by Email
Comments