Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease: a randomized clinical trial

Protocol summary

Summary

Objectives: To assess the effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease. Design: a randomized clinical trial. Setting and conduct: The eligible patients with chronic obstructive pulmonary disease who will refer to the university hospitals during the study period will be enrolled into the trial. Inclusion criteria: (a) affected with chronic obstructive pulmonary disease; (b) literate. Exclusion criteria: history of participation in educational course about chronic obstructive pulmonary disease. Intervention: Routine care plus 3 educational sessions of 45 minutes on self-efficacy with 3 days interval. Control: Routine care only. Primary outcome: Measuring the self-efficacy using Self-efficacy COPD Scale before, immediately after, and one month after intervention. Secondary outcome: Nothing.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201504149014N61**
Registration date: **2015-04-25, 1394/02/05**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2015-04-25, 1394/02/05

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1838 0090

Email address

poorolajal@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2014-12-22, 1393/10/01

Expected recruitment end date

2015-04-19, 1394/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease: a randomized clinical trial

Public title

Effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: (a) affected with chronic obstructive pulmonary disease; (b) literate. Exclusion criteria: history of participation in educational course about chronic obstructive pulmonary disease.

Age
No age limit
Gender
Both

Phase
2
Groups that have been masked
No information
Sample size
Target sample size: **60**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
Randomization: random assignment of the patients to the intervention and control groups using block permutation. Blinding: Not blinded.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Research Ethic Committee of Hamadan University of Medical Sciences
Street address
Vice-chancellor of Research the Technology, Hamadan University of Medical Sciences, Shahid Fahmideh Ave
City
Hamadan
Postal code
6517838695
Approval date
2014-10-21, 1393/07/29
Ethics committee reference number
D/P/16/35/9/3558

Health conditions studied

1

Description of health condition studied
chronic obstructive pulmonary disease
ICD-10 code
J44
ICD-10 code description
Other chronic obstructive pulmonary disease

Primary outcomes

1

Description
Measuring the self-efficacy
Timepoint
before, immediately after, and one month after intervention
Method of measurement
using Self-efficacy COPD Scale

Secondary outcomes

1

Description
Nothing
Timepoint
Nothing
Method of measurement
Nothing

Intervention groups

1

Description
Routine care plus 3 educational sessions of 45 minutes on self-efficacy with 3 days interval.
Category
Other

2

Description
Routine care only
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
university hospitals
Full name of responsible person
Negar Kazemi
Street address
School of Nursing and Midwifery, Hamadan University of Medical Sciences, Shahid Fahmideh Ave.
City
Hamadan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity

Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Full name of responsible person
Dr Saeid Bashirian

Street address
Hamadan University of Medical Sciences, Shahid Fahmideh Ave

City
Hamadan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Proportion provided by this source
100

Public or private sector
empty

Domestic or foreign origin
empty

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
empty

Person responsible for general inquiries

Contact

Name of organization / entity
School of Nursing and Midwifery

Full name of responsible person
Negar Kazemi

Position
Nursing Student

Other areas of specialty/work

Street address
Hamadan University of Medical Sciences, Shahid Fahmideh Ave.

City
Hamadan

Postal code

Phone
+98 81 3838 0535

Fax

Email
ndka25@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
School of Nursing and Midwifery

Full name of responsible person
Afsar Omidi

Position
Master of Community Health Education

Other areas of specialty/work

Street address
Hamadan University of Medical Sciences, Shahid Fahmideh Ave.

City
Hamadan

Postal code

Phone
+98 81 3838 0535

Fax

Email
omidi@umsha.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity
School of Public Health, Hamadan University of Medical Sciences

Full name of responsible person
Dr Jalal Poorolajal

Position
Associate Professor

Other areas of specialty/work

Street address
School of Public Health, Hamadan University of Medical Sciences, Shahid Fahmideh Ave

City
Hamadan

Postal code
6517838695

Phone
+98 81 3838 0090

Fax

Email
poorolajal@umsha.ac.ir

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty

Study Protocol
empty

Statistical Analysis Plan
empty

Informed Consent Form
empty

Clinical Study Report
empty

Analytic Code
empty

Data Dictionary
empty