

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

The impact of self-efficacy on self-care ability of patients with stroke: a clinical trial study

Protocol summary

Summary

Stroke is a stressful event which brings about various physical, psychological, social and economic problems that affect different aspects of the patient's life. Therefore, this study is conducted to investigate the impact of a self-efficacy program on self-care ability of patients with stroke. This study is conducted as a clinical trial which includes two group and three stages with a test plan before, immediately after and one month after stroke occurrence. 50 patients with stroke, who are hospitalized in the neurology department of Kashani Hospital in Isfahan city, are selected by the simple continuous method and are placed randomly in two groups of test and control. Patients of the test group are divided into 5 groups of 5 people and the self-efficacy program is implemented for them in 6 sessions. Then, Barthel questionnaire is completed for both groups before and after the intervention and one month after the intervention and the results are analyzed statistically by using descriptive and inferential statistics and software of SPSS version 18.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017041733481N1**

Registration date: **2017-06-09, 1396/03/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-06-09, 1396/03/19

Registrant information

Name

Zahra Rafiee

Name of organization / entity

Isfahan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 913 420 7290

Email address

zahra.rafaee@nm.mui.ac.ir

Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2017-04-21, 1396/02/01

Expected recruitment end date

2017-05-22, 1396/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The impact of self-efficacy on self-care ability of patients with stroke: a clinical trial study

Public title

The impact of self-efficacy on self-care ability of patients with stroke: a clinical trial study

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria: The occurrence of stroke for the first time; willingness to participate in the study; aged between 50 and 70 years; lack of addiction to alcohol and drugs; lack of simultaneous participation in another study; no loss of consciousness level; capable of responding to questions and getting scores more than 23 from the Mini-Mental State Exam; having self-care ability

and earn scores above 50 from Barthel index; having at least literacy to read and write; the ability to understand conversation in Farsi and lack of malignant physical illness. Exclusion criteria: The absence of more than 2 times in meetings; not wanting to continue the intervention; the incidence of new diseases that cause more disability in these patients.

Age

From **50 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **50**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

50 qualified patients are divided into two equal case and control groups with Sealed envelope method.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Isfahan University of Medical Sciences

Street address

Isfahan

City

Isfahan

Postal code

Approval date

2015-04-21, 1394/02/01

Ethics committee reference number

IR.MUI.REC.1395.3.783

Health conditions studied

1

Description of health condition studied

Stroke

ICD-10 code

I69.4

ICD-10 code description

Sequelae of stroke, not specified as haemorrhage or infarction

Primary outcomes

1

Description

self-care ability

Timepoint

before, immediately after and one after clinical trial

Method of measurement

Barthel questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: includes 6 sessions with aim of introduction, improvement of patient's independency, improvement of self-esteem and introduction to use problem solution technique

Category

Lifestyle

2

Description

Control group: pharmacotherapy and 2 educational sessions about the disease, side-effects of it and consumed medicines

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Neurology department of Kashani hospital

Full name of responsible person

Ali Mohammadi

Street address

Hezar Jerib St, Isfahan University of Medical Sciences, Isfahan, Iran

City

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Isfahan University of

Medical Sciences
Full name of responsible person
Mehdi Nemat Bakhsh
Street address
HezarJerib St, Isfahan University of Medical Sciences
City
Isfahan
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 of Isfahan 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
Faculty of Nursing and Midwifery
Full name of responsible person
Ali Mohammadi
Position
PHD
Other areas of specialty/work
Street address
Hezar Jerib St, Isfahan University of Medical Sciences
City
Isfahan
Postal code
Phone
+98 31 3792 2917
Fax
Email
alimohammadi@nm.mui.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity

Faculty of Nursing and Midwifery
Full name of responsible person
Ali Mohammadi
Position
PHD
Other areas of specialty/work
Street address
Hezar Jerib St, Isfahan University of Medical Sciences
City
Isfahan
Postal code
Phone
+98 31 3792 2917
Fax
Email
alimohammadi@nm.mui.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Faculty of Nursing and Midwifery
Full name of responsible person
Ali Mohammadi
Position
PHD
Other areas of specialty/work
Street address
Hezar Jerib St, Isfahan University of Medical Sciences
City
Isfahan
Postal code
Phone
+98 31 3792 2917
Fax
Email
alimohammadi@nm.mui.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