

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Sep 2026

Effect of problem solving strategy on quality of life, self-management profile and metabolic indices among type 2 diabetic patients with cognitive impairment

Protocol summary

Summary

This study examined the impact of the implementation of problem-solving strategies by patients with diabetes Type 2 who have cognitive impairment on their quality of life, self-management profiles and metabolic parameters. In this randomly clinical trial, 100 diabetics type 2 patients with cognitive impairment participated. They were randomly divided into control and experimental groups and the degree of their metabolic parameters, self-management profiles and quality of life were examined. The problem-solving strategies in the experimental group during the six ninety-minute sessions were taught. Then the items of both groups were measured and the differences between them were analyzed

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014041517283N1**

Registration date: **2014-08-04, 1393/05/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-08-04, 1393/05/13

Registrant information

Name

Kataun Jalali

Name of organization / entity

Shiraz University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2014-01-21, 1392/11/01

Expected recruitment end date

2014-02-20, 1392/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of problem solving strategy on quality of life, self-management profile and metabolic indices among type 2 diabetic patients with cognitive impairment

Public title

problem solving strategy in type 2 diabetes with cognitive impairment

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Type 2 diabetes a year ago; Having cognitive impairment; At least six literacy classes; Age 30 to 60 years Exclusion criteria: Other diseases, such as Alzheimer's, depression, mental retardation and ...; Severe complications of diabetes

Age

From **30 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

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

Shiraz University of Medical Sciences

Street address

Zand Street, headquarters of Medical Sciences

City

Shiraz

Postal code

71345-1978

Approval date

2013-10-06, 1392/07/14

Ethics committee reference number

92-6723

Health conditions studied

1

Description of health condition studied

diabetes

ICD-10 code

E10-E14

ICD-10 code description

Diabetes mellitus

Primary outcomes

1

Description

Quality of life

Timepoint

Before the experiment, three months after the intervention.

Method of measurement

Quality of life questionnaire.

2

Description

self-management

Timepoint

Before the experiment, three months after the intervention.

Method of measurement

self-management profile

3

Description

metabolic indicators

Timepoint

Before the experiment, three months after the intervention.

Method of measurement

Blood tests

Secondary outcomes

1

Description

Blood pressure

Timepoint

Before the experiment, three months after the intervention.

Method of measurement

Sphygmomanometer

Intervention groups

1

Description

In the intervention group, problem-based approach to empower runs. This model is a six-week sessions of 90 minutes each week and is being held as a group. Then randomly using a random number table will be divided into two groups and controls. The intervention group by the researcher to groups of ten to twelve persons to attend meetings of the divide.

Category

Other

2

Description

Public education in clinic patients in the control group will receive usual.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Diabetes Clinic of Shahid Motahari Infirmary of Shiraz

Full name of responsible person

Tahereh Pakfetrat

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Zand street, Namazi

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Full name of responsible person

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Position

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Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**Research Council of Shiraz University of Medical
Sciences**Full name of responsible person**

Dr Gholamreza Hatam

Street addressZand Street, headquarters of Shiraz University of
Medical Sciences**City**

Shiraz

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Research Council of Shiraz 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**

Shiraz University of Medical Sciences

Full name of responsible person

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Position

Nursing Graduate Student

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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