

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 May 2026

A clinical trial comparing the effectiveness of teaching based on Team Member Teaching Design model and the routine procedure on the knowledge of diabetes across the community covered by health workers

Protocol summary

Summary

This study aimed to compare the effectiveness of teaching based on Team Member Teaching Design model and the routine procedure on the knowledge of diabetes across the community covered by health workers. For this purpose, 24 health workers in Birjand, who had informed consent for participation, were selected by convenience sampling method. They were allocated into case and control groups via simple allocation method. The cases received training on the model by attending the Birjand-based health education department. At the end of the course, they were subjected to post-test. Subsequently, 180 people under the supervision of these health workers were selected randomly and assigned into the same groups as were the health workers. Major inclusion criteria for the people covered consisted of age 30 to 50 years; informed consent to participate in the study; lack of training about diabetes; and being non-diabetic themselves or their family members. Before intervention, a pre-test is given to both groups. In the control group, the teaching of diabetes contents was performed by distributing the national pamphlet on the Diabetes Control and Care compiled by the Disease Control Center of the Non-Communicable Disease Management Center of the Ministry of Health. In the intervention group, the contents of the pamphlet were taught based on Team Member Teaching Design model. A post-test was given to both groups to measure their knowledge about diabetes.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017071317756N21**

Registration date: **2017-07-20, 1396/04/29**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-07-20, 1396/04/29

Registrant information

Name

Mohammad Bagher Roozgar

Name of organization / entity

Birjand University of Medical Sciences

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+98 56 3239 5680

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mbroozgar@bums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-chancellery for Research of Gonabad University of Medical Sciences

Expected recruitment start date

2017-03-08, 1395/12/18

Expected recruitment end date

2017-04-20, 1396/01/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A clinical trial comparing the effectiveness of teaching based on Team Member Teaching Design model and the routine procedure on the knowledge of diabetes across the community covered by health workers

Public title

Effects of teaching based on Team Member Teaching Design model on the knowledge of diabetes

Purpose

Health service research

Inclusion/Exclusion criteria

(Inclusion criteria: A. Health Workers: Health worker working in a health house across Birjand county; provision of informed consent for participation. B. Population covered by health workers: age from 30 to 50 years; provision of informed consent for participation; no history of receiving education on diabetes; no mental problem or barrier to learning; no history of significant unpleasant incidence (such as loss of relatives, etc.) within the past 6 months; a minimum degree of high school diploma; not diabetic; and no diabetic family member.) (Exclusion criteria: A. Health Workers: Unwillingness to continue participation; occurrence or experience of an unexpected incidence or crisis that inhibits from proper cooperation; failure to gain a passing score on Team Member Teaching Design model. B. Population covered by health workers: Unwillingness to continue participation; occurrence or experience of an unexpected incidence or crisis that inhibits from proper cooperation; absence from educational sessions for one session.)

Age

From **30 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **204**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

The study is performed in one center and is not blinded.

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Gonabad University of Medical Sciences

Street address

Vice-chancellery of Education and Research, Gonabad University of Medical Sciences, Asiayi St.,

City

Gonabad,

Postal code**Approval date**

2016-12-04, 1395/09/14

Ethics committee reference number

IR.GMU.REC.1395.72

Health conditions studied**1****Description of health condition studied**

Diabetes

ICD-10 code

E10

ICD-10 code description

Insulin-dependent diabetes mellitus

Primary outcomes**1****Description**

Knowledge on diabetes

Timepoint

before and after intervention

Method of measurement

Researcher-made questionnaire

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group (Team Member Teaching Design): Contents of the national pamphlet of diabetes control and care program compiled by the Non-Communicable Disease Management Center of the Ministry of Health were taught based on Team Member Teaching Design model.

Category

Lifestyle

2**Description**

Control Group (Routine Procedure): The national pamphlet of diabetes control and care program compiled by the Non-Communicable Disease Management Center of the Ministry of Health were distributed among the members.

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Health Education Department

Full name of responsible person

Akram Khazaei

Street address

Health Education Department, Vice-chancellery of Health, Birjand University of Medical Sciences, Moalem St.,

City

Birjand,

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-chancellor for Education and Research of Gonabad University of Medical Sciences

Full name of responsible person

Hashem Fallah

Street address

Gonabad University of Medical Sciences, Asiayi Street,

City

Gonabad,

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice-chancellor for Education and Research of Gonabad 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

Birjand University of Medical Sciences

Full name of responsible person

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Position

M.Sc. Student of Nursing

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Other areas of specialty/work

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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