Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The Effect of Electronic Education on Predisposing Factors and Metabolic Control Indicators of Diabetic Patients on Insulin

Protocol summary

Summary

This study has been done to determine the effects of electronic education on predisposing factors and metabolic control indicators in diabetic patients. Material and method: The present study is a quasi-experimental study, 48 diabetic on insulin patients who referred to Nader Kazemi and Moshir Fatemi clinics participated. They were randomly assingned into two groups of experiment and control. The electronic education program was performed for the experimental group during 3 months while the control group just received the traditional education available in clinical center. Predisposing factors including knowledge, attitude, empowerment and health beliefs, the indicators of metabolic control including fasting blood sugar, hemoglobin A1c, cholesterol, triglyceride, and also body mass index were measured before and after intervention in both groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138901212621N5**
Registration date: **2011-04-24, 1390/02/04**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-04-24, 1390/02/04

Registrant information

Name

Marzieh Moattari

Name of organization / entity

Shiraz university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 1647 4250

Email address

moattarm@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz university of medical sciences

Expected recruitment start date

2009-04-04, 1388/01/15

Expected recruitment end date

2010-01-20, 1388/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Electronic Education on Predisposing Factors and Metabolic Control Indicators of Diabetic Patients on Insulin

Public title

The Effect of Electronic Education on Predisposing Factors and Metabolic Control Indicators of Diabetic Patients on Insulin

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: diagnosed as insulin dependent diabetes, patient or his/her care giver: -is able to check blood sugar by glucometer -is able to inject insulin -is able to use web site (computer literacy) -has personal cell phone -has personal computer and facility to connect net at home, patient has glocumeter, Patient doesn’t use insulin pump, patient is not pregnant, patient is volunteer to participate in the study. Exclusion criteria:

withdrawing the study or incomplete data entry for more than 4 weeks.

Age
From **18 years** old to **40 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **48**

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

City
SHIRAZ

Postal code

Approval date
2009-08-29, 1388/06/07

Ethics committee reference number
ct-88-4748

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
Hb A1c

Timepoint
3 months

Method of measurement
blood test

Secondary outcomes

1

Description
knowledge

Timepoint
3 months

Method of measurement
questionnaire

Intervention groups

1

Description
The intervention of this study was electronic education in which all the subjects in the intervention groups were taught how to use the web site. They were assigned to complete the specially designed forms of nutrition daily or weekly. They also were required to record their blood glucose and the amount of insulin they used. They also were encouraged to use the available information on the site including the overall knowledge related to diabetes, pictures (on different complications on diabetes) and films related to insulin injection. they had the opportunity to contact the health care provider team (physician. nurse, nutritionist). They had also the opportunity consult with them.

Category
Other

2

Description
the control group received the traditional education available in clinical center.

Category
N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
Shiraz Diabetic Clinics

Full name of responsible person
Dr. M. Moattari

Street address

City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shiraz University of Medical Science
Full name of responsible person
Dr M. Dabaghmanesh
Street address
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
Shiraz University of Medical Science
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 Scienses
Full name of responsible person
Dr. M. Moattari
Position
PhD of Nursing
Other areas of specialty/work
Street address
Nursing College
City
Shiraz
Postal code
Phone
+98 917 717 0856
Fax
Email
moattarm@sums.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Shiraz University of Medical Sciences
Full name of responsible person
Dr. M. Moattari
Position
PhD of Nursing
Other areas of specialty/work
Street address
Shiraz Nursing College
City
Shiraz
Postal code
Phone
+98 917 717 9856
Fax
Email
moattarm@sums.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Shiraz Nursing College
Full name of responsible person
Dr. M. Moattari
Position
PhD of Nursing
Other areas of specialty/work
Street address
Nursing College
City
Shiraz
Postal code
Phone
+98 917 717 0856
Fax
Email
moattarm@sums.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