Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The impact of implementation of the modified program aggression replacement training on self-efficacy and Glycosylated hemoglobin of adolescents with insulin-dependent diabetes

Protocol summary

Summary

The aim of this study is to determine the impact of modified program Aggression Replacement Training on self efficacy and glycosylated hemoglobin adolescents with insulin-dependent diabetes. Inclusion criteria are: Aggressive adolescents, Age 12 to 18 years old, last six months of diagnosis of insulin-dependent diabetes and member of parsian diabetic clinic. Exclusion criteria is participates who absent in more than one session. Total of Seventy diabetic adolescents randomly allocated into two groups. control group has no training but intervention group has six sessions of 1/5 to 2 hours modified program aggression replacement training perform. The primary outcome measures includ self-efficacy and glycosylated hemoglobin. Primary outcome time points are beginning of the study and two months after of intervention and primary outcome method of measurement are standard questionnaire of insulin management diabetes self-efficacy scale and glycosylated hemoglobin test. Primary outcome measures, time points and method of measurements is similar in two groups.

General information

Acronym

ART

IRCT registration information

IRCT registration number: **IRCT2014122220395N1**
Registration date: **2015-01-16, 1393/10/26**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2015-01-16, 1393/10/26

Registrant information

Name

Syed Javad Hoseini

Name of organization / entity

Mashhad Faculty of Nursing and Midwifery

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Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences

Expected recruitment start date

2014-11-02, 1393/08/11

Expected recruitment end date

2015-03-20, 1393/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The impact of implementation of the modified program aggression replacement training on self-efficacy and Glycosylated hemoglobin of adolescents with insulin-dependent diabetes

Public title

the Impact of aggression training on self-efficacy and glycosylated hemoglobin patient disease

Purpose

Health service research

Inclusion/Exclusion criteria

Including criteria: aggressive adolescents; last six months of diagnosis of insulin-dependent diabetes; age 12 to 18 years. Exclusion criteria: participates who absent in more than one session.

Age

From **81 years** old to **76 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **70**

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

Ethics committee of Mashhad University of Medical Sciences

Street address

Mashhad Faculty of Nursing and Midwifery, Ebn-e Sina St. Doktora Crossroads.

City

Mashhad

Postal code

Approval date

2014-11-01, 1393/08/10

Ethics committee reference number

930340

Health conditions studied

1

Description of health condition studied

Insulin-dependent diabetes

ICD-10 code

E10

ICD-10 code description

Insulin-dependent diabetes mellitus

Primary outcomes

1

Description

Self efficacy

Timepoint

Beginning of study؛ two months after intervention

Method of measurement

standard questionnaire of insulin management diabetes self-effi cacy scale

2

Description

Glycosylated hemoglobin

Timepoint

Beginning of study؛ two months after intervention

Method of measurement

Glycosylated hemoglobin test

Secondary outcomes

empty

Intervention groups

1

Description

Control group (without training): Includs adolescents with insulin-dependent diabetes; interventions include: pretest with standard questionnaire of insulin management diabetes self-efficacy scale and glycosylated hemoglobin test; post tests: two months after intervention

Category

N/A

2

Description

Intervention group: adolescents with insulin-dependent; intervention include: pretest (standard questionnaire of insulin management diabetes self-efficacy scale and glycosylated hemoglobin test), attend in a six session 1/5 to 2 hours of modified program aggression replacement training؛ post test two months after intervention.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Parsian diabetes clinic

Full name of responsible person

Ali Akbar Raouf

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Shahid Chamran St. Chamran 8

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Mashhad University of Medical Sciences
Full name of responsible person
Mohsen Tafaghodi
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Faculty of Nursing and Midwifery, Ebn-e Sina St, Doktora Crossing
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Mashhad 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

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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