Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Compare effectiveness cooperative learning training and academic self regulation training on academic buoyancy, goal orientation, academic self efficacy and critical thinking amonge secondary school students in the Ahvaz city

Protocol summary

Study aim

this present research aimed to compare effectiveness of cooperative learning training and academic self regulation training on academic vitality and goal orientation among secondary school students in the Ahvaz city.

Design

With a control group and two intervention groups, a sample size of 45 people, a random number table was used for randomization.

Settings and conduct

The meeting place was the meeting hall of Ahvaz Education Department. The procedure was pre-test, interventions, post-test and two-month follow-up. cooperative learning and academic self-regulation training for two experimental groups 1 and 2 included 8 sessions and one session per week.

Participants/Inclusion and exclusion criteria

satisfaction to participate (informed consent), Having low levels of academic vitality, goal orientation, academic self efficacy and critical thinking, volunteering for non-drug treatment

Intervention groups

cooperative learning training based on Jig Sao method (Ernson, 1978) in 8 sessions of 60 minutes and two sessions per week on experimental group 1 and the intervention of academic self-regulatory education in the style of Zimmerman and Pons (1988) in 8 sessions of 90 minutes and 1 One weekly session was performed on experimental group 2 and the control group did not receive any intervention.

Main outcome variables

academic buoyancy, goal orientation, academic self efficacy and critical thinking

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200803048294N1**
Registration date: **2020-10-31, 1399/08/10**
Registration timing: **retrospective**

Last update: **2020-10-31, 1399/08/10**
Update count: **0**

Registration date

2020-10-31, 1399/08/10

Registrant information

Name

sara soroush

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 3335 5454

Email address

sarasoroush1399@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-04-03, 1398/01/14

Expected recruitment end date

2020-03-10, 1398/12/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
Compare effectiveness cooperative learning training and academic self regulation training on academic buoyancy, goal orientation, academic self efficacy and critical thinking amonge secondary school students in the Ahvaz city

Public title
Compare effectiveness cooperative learning training and academic self regulation training on academic buoyancy, goal orientation, academic self efficacy and critical thinking

Purpose
Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:
Informed consent Low levels of academic buoyancy, goal orientation, academic self efficacy and critical thinking Volunteer for non-drug treatment

Exclusion criteria:
Dual citizenship students Students who have jumped (simultaneously) through two levels of secondary education

Age
From **15 years** old to **19 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **45**

Randomization (investigator's opinion)
Randomized

Randomization description
• Randomization method: simple randomization • Randomization unit: individual • Randomization tool: Random number table • How to construct a random sequence: First, a list of 45 selected students with low levels of academic buoyancy, goal orientation, academic self efficacy and critical thinking was prepared and then by lottery in three groups of 15, experiments 1, 2 and control were assigned. • Explanation of concealment: At the beginning of the randomization, none of the participants knew in which group they were assigned; However, they were informed at the beginning of the intervention.

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 Islamic Azad University, Ahvaz Branch

Street address
Ahvaz, Golestan Highway,Farhang Shar, Islamic Azad University of Ahvaz

City
ahvaz

Province
Khouzestan

Postal code
37333-61349

Approval date
2020-04-08, 1399/01/20

Ethics committee reference number
IR.IAU.AHVAZ.REC.1399.017

Health conditions studied

1

Description of health condition studied
Low academic buoyancy

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
academic buoyancy

Timepoint
Before interventions, after interventions, 60 days after interventions

Method of measurement
Using Dehghanizadeh and Hossein Chari (2012)

2

Description
goal orientation

Timepoint
Before interventions, after interventions, 60 days after interventions

Method of measurement
Using Academic Vitality Questionnaire, Midgoli et al. (1998)

3

Description
academic self efficacy

Timepoint
Before interventions, after interventions, 60 days after interventions

Method of measurement

Using Purposefulness Questionnaire, On and Faraman (1988)

4

Description
critical thinking
Timepoint
Before interventions, after interventions, 60 days after interventions
Method of measurement
Using Rahaii Students' Critical Thinking Questionnaire (2014)

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group 1: Under the intervention of cooperative learning training based on the method of Jig Sao (Ernson, 1978) in 8 sessions of 60 minutes and two sessions per week
Category
Behavior

2

Description
Intervention group 2: Under the intervention of academic self regulation training based on the method of Zimmerman and Pons (1988) in 8 sessions of 90 minutes and one session per week
Category
Behavior

3

Description
Control group: He did not receive any intervention
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Ahvaz city education organization
Full name of responsible person
Haraj Cheldavi
Street address
Ahvaz Education Department, Basij Mostazafin Square,Ahvaz
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Islamic Azad University
Full name of responsible person
Ashkan Ghafoori
Street address
Islamic Azad University of Ahvaz,Farhang Shar, Golestan Highway, Ahvaz
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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
Islamic Azad University
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact
Name of organization / entity
Islamic Azad University
Full name of responsible person
Reza Pasha
Position
Associate Professor
Latest degree
Ph.D.
Other areas of specialty/work
Psychology
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Other areas of specialty/work
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD
Maintain anonymity of participants

Study Protocol
Yes - There is a plan to make this available

Statistical Analysis Plan
Yes - There is a plan to make this available

Informed Consent Form
Yes - There is a plan to make this available

Clinical Study Report
Yes - There is a plan to make this available

Analytic Code
No - There is not a plan to make this available

Data Dictionary
No - There is not a plan to make this available

Title and more details about the data/document
Results of information analysis in the findings section and study results

When the data will become available and for how long
After the end of the study and in terms of time indefinitely

To whom data/document is available
All researchers

Under which criteria data/document could be used
At the discretion of the Research Deputy of the Education Department of Ahvaz, as a disease sampling center and issuer of official licenses to conduct the present study, the relevant documents including the time, place and manner of interventions and sample size are available. Conditions for access to official legal licenses from other scientific institutions and the use of this information as an analysis of available statistics is only permitted.

From where data/document is obtainable
Research Department of Education Office of Ahvaz city Address: Ahvaz Education Department, Basij Square for the Underprivileged, Ahvaz Tell: 061-33334019

What processes are involved for a request to access data/document
Submitting official legal licenses from other scientific institutions to the research deputy of Ahvaz education department Approval of the research deputy of the education department of Ahvaz city for access Commitment to maintaining the anonymity of the participants in this research Commitment to analysis only at the level of analysis of available statistics

Comments