

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 among 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 among 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

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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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Person responsible for scientific inquiries

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Full name of responsible person

Sara Soroush

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Latest degree

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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