

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jun 2026

effectiveness of an intervention on aggressive behaviors in elementary students

Protocol summary

Study aim

Design, implementation and evaluation of an interventional program on aggressive behaviors among primary school students in Kermanshah

Design

In this study, among schools with the highest aggression, 280 aggressive students are eligible to enter the study. Participants are randomly divided into intervention and control groups and each participant is assigned a code.

Settings and conduct

Interventions will be taken to prevent and reduce aggression in Kermanshah and in the school environment. Participants are randomly divided into two groups of intervention and control. Interventions will be provided in the intervention group

Participants/Inclusion and exclusion criteria

inclusion criteria: Students without psychological problems students in schools in Kermanshah; exclusion criteria: Having acute mental illness Rural students

Intervention groups

Intervention group: Male and female students in elementary schools with high aggression levels that receive interventions to reduce aggression Control group: Male and female students in elementary schools that do not receive any intervention.

Main outcome variables

Social competence; physical aggression; verbal aggression; relational aggression; knowledge; outcome expectations; outcome expectancies ; self-efficacy; observational learning; social impacts; social support

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20151112025014N3**

Registration date: **2018-01-21, 1396/11/01**

Registration timing: **registered_while_recruiting**

Last update: **2018-01-21, 1396/11/01**

Update count: **1**

Registration date

2018-01-21, 1396/11/01

Registrant information

Name

Nooshin Salimi

Name of organization / entity

Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-01-10, 1396/10/20

Expected recruitment end date

2019-04-09, 1398/01/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

effectiveness of an intervention on aggressive behaviors in elementary students

Public title

effectiveness of an intervention on aggressive behaviors in elementary students

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Students who studying in elementary schools in the Second course Students who studying at the Kermanshah City Schools. Students who have no acute psychological problem. Students whose parents are satisfied with their child's participation in the study.

Exclusion criteria:

Mental illness confirmed by a doctor

Age

From **9 years** old to **13 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **280**

Randomization (investigator's opinion)

Randomized

Randomization description

In this study, stratified random sampling method will be used and the sample classes studied will be based on the gender of students (boy / girl), school status in terms of implementation of the program of health promoting schools(health promotion / non-promotion schools) and the region Urban (semi-possessed / disadvantaged) will be selected. Then the list of schools and the number of elementary students in the second course of the city of Kermanshah will be collected from the Department of Education. The required sample, in terms of student size and the number of schools in each class, will be selected by table of random numbers and by considering the different economic status.

Blinding (investigator's opinion)

Single blinded

Blinding description

Participants are unaware of the allocation of study groups.

Placebo

Not used

Assignment

Parallel

Other design features

In this study, an ecological model (individual, interpersonal, organizational, and policy levels) will be used to explore the various components of the whole school approach in prevention of aggression.

Secondary Ids

empty

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

Ethics committee of Hamadan University of Medical

Sciences

Street address

Hamadan University of Medical Sciences; Front of the people park

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Postal code

6517838736

Approval date

2017-12-16, 1396/09/25

Ethics committee reference number

IR.UMSHA.REC.1396.638

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

aggression

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Physical aggression

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Adolescent Peer Relations Instrument

2**Description**

Verbal aggression

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Adolescent Peer Relations Instrument

3**Description**

Relational aggression

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Adolescent Peer Relations Instrument

4**Description**

knowledge

Timepoint

Before intervention, 7 days after intervention and 6

months after intervention

Method of measurement

Researcher made questionnaire

5

Description

outcome expectations

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Researcher made questionnaire

6

Description

outcome expectancies

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Researcher made questionnaire

7

Description

self-efficacy

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Researcher made questionnaire

8

Description

social support

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Researcher made questionnaire

9

Description

Social impacts

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Researcher made questionnaire

Secondary outcomes

1

Description

Social competence

Timepoint

Before intervention, 7 days after intervention and 6 months after intervention

Method of measurement

Social competence questionnaire

Intervention groups

1

Description

Intervention group: 5 Educational sessions; 10 sessions of psychological counseling; educational booklet; poster and educational banner;Role playing

Category

Behavior

2

Description

Control group: This group does not receive any intervention.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Elementary schools in Kermanshah

Full name of responsible person

Nooshin Salimi

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Hamedan, Shahid Fahmida Blvd, near Bu'ali University, Hamedan University of Medical Sciences, School of Public Health

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

saeid bashirian

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Web page address

http://research.umsha.ac.ir/index.aspx?fkeyid=&siteid=36&pageid=2049

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Hamedan University of Medical Sciences

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**

Hamedan University of Medical Sciences

Full name of responsible person

Nooshin Salimi

Position

Phd Candidate

Latest degree

Master

Other areas of specialty/work

Health Promotion

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available