Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Nov 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)

Phone
+98 83 4833 1629

Email address
n.salimi@edu.umsha.ac.ir

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

City
Hamadan

Province
Hamadan

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

Street address

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

City

Hamadan

Province

Hamadan

Postal code

6517838736

Phone

+98 83 3423 1765

Email

N.SALIMI@EDU.UMSHA.AC.IR

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

saeid bashirian

Street address

Shahid Fahmidah Boulevard, Daneshgah-e-Bu Ali Sina, Hamadan Province

City

Hamadan

Province

Hamadan

Postal code
6517838736
Phone
+98 81 3838 0717
Fax
+98 81 3838 0130
Email
s_bashirian@yahoo.com
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
Street address
Hamedan, Shahid Fahmida Blvd, near Bu'ali University, Hamedan University of Medical Sciences, School of Public Health
City
Hamadan
Province
Hamadan
Postal code
6517838736
Phone
+98 83 3423 1765
Email
N.SALIMI@EDU.UMSHA.AC.IR

Person responsible for scientific 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
Street address
Hamedan, Shahid Fahmida Blvd, near Bu'ali University, Hamadan University of Medical Sciences, School of Public Health
City
Hamadan
Province
Hamadan
Postal code
6517838736
Phone
+98 83 3423 1765
Email
N.SALIMI@EDU.UMSHA.AC.IR

Person responsible for updating data

Contact

Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Nooshin salimi
Position
Phd candidate
Latest degree
Ph.D.
Other areas of specialty/work
Health Promotion
Street address
Hamedan, Shahid Fahmida Blvd, near Bu'ali University, Hamedan University of Medical Sciences, School of Public Health
City
Hamadan
Province
Hamadan
Postal code
6715734515
Phone
+98 83 3423 1765
Email
N.SALIMI@EDU.UMSHA.AC.IR

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