Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Evaluation of the effectiveness of matrix psychotherapy on craving in adolescents with stimulants and cannabis use disorder

Protocol summary

Study aim
The investigation of matrix psychotherapy on drug consumption, craving, and performance in adolescents

Design
A clinical trial with no control group, with a pre-test and post-test design, randomized, double-blind, study on 20 patients

Settings and conduct
This study will be a clinical trial with a pre-test and post-test design. The studied subjects are adolescent boys with stimulant or cannabis use disorders who refer to psychiatric clinics affiliated to Isfahan University of Medical Sciences.

Participants/Inclusion and exclusion criteria
Inclusion: 1- A person with stimulant substance use disorder according to DSM V 2-Male sex 3- Age 12 to 18 years 4- Verbal consent of the teenager to participate in the study Exclusion: 1- Having a serious medical disorder such as diabetes and epilepsy 2- Existence of psychotic disorders 3- Being in an active emotional phase

Intervention groups
This study has no control group and the investigation is conducted as a pre-test and post-test. The intervention group will undergo matrix therapy sessions. The meetings will be held weekly and each meeting will be between 1 to 1.5 hours.

Main outcome variables
Age; Education; Consumption; Matrix therapy method; Children's Global Assessment Scale score; Material temptation score

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20230805059049N1**
Registration date: **2023-08-25, 1402/06/03**
Registration timing: **registered_while_recruiting**
Last update: **2023-08-25, 1402/06/03**
Update count: **0**

Registration date
2023-08-25, 1402/06/03

Registrant information

Name
Farnaz Golmohammadi

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 31 3668 0048

Email address
farnazgolmohammadi@gmail.com

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2023-08-23, 1402/06/01

Expected recruitment end date
2023-10-22, 1402/07/30

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Evaluation of the effectiveness of matrix psychotherapy on craving in adolescents with stimulants and cannabis use disorder

Public title
Investigating the matrix on the amount of drug use in adolescents

Purpose
Health service research

Inclusion/Exclusion criteria

Inclusion criteria:
A person with stimulant and cannabis use disorder diagnosed based on clinical interview and DSM V criteria Male gender Age 12 to 18 years Oral consent of the adolescent to participate in the study Obtaining written consent from the parent or primary protectors of the adolescent

Exclusion criteria:
Having a serious medical disorder such as diabetes and epilepsy The presence of psychotic disorders Being in an active mood phase

Age
From **12 years** old to **18 years** old

Gender
Male

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **20**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Other

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethical Committee of Isfahan University of Medical Sciences

Street address
Hazar Jarib Street, Isfahan University of Medical Sciences and Health Services

City
Isfahan

Province
Isfehan

Postal code
8174673441

Approval date
2023-07-23, 1402/05/01

Ethics committee reference number
IR.MUI.MED. REC.1402.095

Health conditions studied

1

Description of health condition studied
Substance Use Disorder (SUD)

ICD-10 code
F19.14

ICD-10 code description
Other psychoactive substance abuse with psychoactive substance-induced mood disorder

Primary outcomes

1

Description
Children's Global Assessment Scale score

Timepoint
Matrix therapy method

Method of measurement
Questionnaire measuring the temptation to use drugs after quitting drugs

Secondary outcomes

1

Description
Material temptation score

Timepoint
The intervention group will undergo matrix therapy sessions. The meetings will be held weekly and the duration of each meeting will be between 1 and 1.5 hours.

Method of measurement
Questionnaire measuring the temptation to use drugs after withdrawal

Intervention groups

1

Description
Intervention group: will undergo matrix therapy sessions. The meetings will be held weekly and the duration of each meeting will be between one and one and a half hours. Children's Global Assessment Scale and Substance Temptation Questionnaire after withdrawal will be completed for all subjects before treatment sessions begin.After completing the treatment sessions, the mentioned questionnaires will be completed again. The scores of these scales will be compared before and after. One month and two months after the completion of the Matrix sessions, re-evaluation will be done with the substance temptation questionnaire after quitting and the Children's Global Assessment Scale.

Category
Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center
Psychiatric clinics affiliated to Isfahan University of Medical Sciences

Full name of responsible person
Farnaz Golmohammadi

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Hazar Jarib Street, Isfahan University of Medical Sciences and Health Services

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Esfahan University of Medical Sciences

Full name of responsible person
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Grant name
Isfahan University of Medical Sciences and Health Services

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Esfahan 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
Esfahan University of Medical Sciences

Full name of responsible person
Farnaz Golmohammadi

Position
Assistant Professor of Child and Adolescent Psychiatry

Latest degree
Subspecialist

Other areas of specialty/work
Psychiatrics

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Person responsible for updating data

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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
There is no further information

Study Protocol
No - There is not a plan to make this available

Statistical Analysis Plan
Not applicable

Informed Consent Form
No - There is not a plan to make this available

Clinical Study Report
No - There is not 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