

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

Evaluation of the effect of adding memantine to educational treatment of learning disorder(dyslexia) in 8-7 years old children admitted in Nour Hospital in 2015-16 years.

Protocol summary

Summary

The aim of this study is to evaluate the efficacy of memantine in the treatment of learning disorders in 7 to 8 years-old children. Inclusion criteria contains age less than 14 years, definite diagnosis of a learning disability in reading by standardized tests of reading, no other psychiatric disorders such as attention deficit, hyperactivity disorder and no mental retardation. Exclusion criteria includes lack of desire to continue participating in the project or facing to side effects of the medication. The study population is children with learning disabilities in reading. We measure child's learning level in reading by EQ questionnaire. Then, without considering the scores, patients will randomly divided into two groups. Intervention group will take medicine and will be educated (two half of memantine 5 mg per day in the form of tablets in addition to receive training) and the control group will be received placebo plus education (which trained more power for learning to read). In each group children are up to 31 cases. The intervention period will be last for 3 months in each group of patients. One and three months after the intervention, children's learning to read score will be evaluated by the psychologist.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016091329807N1**
Registration date: **2017-02-01, 1395/11/13**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-02-01, 1395/11/13

Registrant information

Name

Marzieh Salehi

Name of organization / entity

Isfahan University of Medical Sciences, Faculty of medicine

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Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2015-04-04, 1394/01/15

Expected recruitment end date

2016-08-22, 1395/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of adding memantine to educational treatment of learning disorder(dyslexia) in 8-7 years old children admitted in Nour Hospital in 2015-16 years.

Public title

Effect of memantine in treatment of dyslexia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age <14 years; diagnosis of dyslexia with standard test; acceptance of participating in study; no any disease in which memantine is contraindicated; no any disease such as ADHD, mental retardation, stuttering and ect. Exclusion criteria: Not wanting to continue participating in the project; having special disease; the incidence of side effects related to medication.

Age

From **7 years** old to **8 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **62**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Isfahan University of Medical Sciences

Street address

Hezarjerib street, Isfahan

City

Isfahan

Postal code**Approval date**

2015-05-30, 1394/03/09

Ethics committee reference number

IR.MUI.REC.1394.3.538

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

dyslexia

ICD-10 code

R48

ICD-10 code description

Dyslexia and other symbolic dysfunctions, not elsewhere

classified

Primary outcomes**1****Description**

Nama dyslexia test score

Timepoint

Before the study, the first month, third month

Method of measurement

Nama dyslexia test that evaluated by the psychologist

Secondary outcomes**1****Description**

don't have

Timepoint

not calculated

Method of measurement

not calculated

Intervention groups**1****Description**

Intervention group: Memantine drug, 5 mg tablets orally, half a pill every 12 hours, for three months; educational intervention, in this tutorial first prerequisite for learning skills such as concentration, visual and auditory short-term memory, immediate memory, visual perception, executive function, attention, according includes a variety of selective attention, perceptual organization and This information is noted in the patient's record. About aspects of the curriculum, the speed and quality of the combination of memory and reading comprehension are recorded and due to the disruption in this sector, training to be given for three months.

Category

Treatment - Drugs

2**Description**

Control group: Placebo pill, 5 mg tablets, half a pill every 12 hours, for three months; educational intervention, in this tutorial first prerequisite for learning skills such as concentration, visual and auditory short-term memory, immediate memory, visual perception, executive function, attention, according includes a variety of selective attention, perceptual organization and This information is noted in the patient's record. About aspects of the curriculum, the speed and quality of the combination of memory and reading comprehension are recorded and due to the disruption in this sector, training to be given for three months.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Clinic and the Center for Psychology in Noor and Ali
Asghar hospital

Full name of responsible person

Marzieh Salehi

Street address**City**

Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Isfahan University of Medical Sciences, Faculty of
medicine

Full name of responsible person

Dr. Mansour Siyavash

Street address

Hezarjerib street, Isfahan

City

Isfahan

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

Yes

Title of funding source

Isfahan University of Medical Sciences, Faculty of
medicine

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Isfahan University of Medical Sciences, Faculty of
medicine

Full name of responsible person

Marzieh Salehi

Position

Psychiatry assistant

Other areas of specialty/work**Street address**

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Full name of responsible person

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Psychiatry resident

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Person responsible for updating data

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Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty
Analytic Code
empty

Data Dictionary
empty