

# 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

##### Country

Iran (Islamic Republic of)

##### Phone

+98 31 3626 9015

##### Email address

marziehsalehi@gmail.com

#### 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

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Hezarjerib street, Isfahan

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## Person responsible for scientific inquiries

### Contact

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Isfahan University of Medical Sciences, Faculty of  
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**Position**

Psychiatry resident

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## Person responsible for updating data

### Contact

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## 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*