

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The effectiveness of psycho motor rehabilitation (Dohsa-hou) on the gross motor function in children with spastic cerebral palsy (4-12 years)

Protocol summary

Summary

The present research is a randomized clinical trial. In order to study the effect of the Dohsa-hou psychomotor rehabilitation on the gross motor function in children with spastic cerebral palsy aged 4-12. The present research is an experimental study. Participants: 24 children with cerebral palsy (spastic) aged 4-12 based on inclusion criteria will be entered in the study. Intervention: The present study will be carried out in winter and Spring 2017. In the control group, 12 children with spastic cerebral palsy will receive the common training. In the intervention group, 12 other children with spastic cerebral palsy will receive the Dohsa-hou psychomotor rehabilitation 2 sessions a week for 6 weeks (each session lasts 45 minutes). Participants of both groups will be evaluated before and after the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016120726926N2**

Registration date: **2016-12-31, 1395/10/11**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-12-31, 1395/10/11

Registrant information

Name

Karim Ayoubi Avaz

Name of organization / entity

Semnan University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Semnan University of Medical Sciences

Expected recruitment start date

2016-12-21, 1395/10/01

Expected recruitment end date

2017-06-18, 1396/03/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effectiveness of psycho motor rehabilitation (Dohsa-hou) on the gross motor function in children with spastic cerebral palsy (4-12 years)

Public title

The effectiveness of psycho motor rehabilitation (Dohsa-hou) on the gross motor function

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: Being aged 4-12; affliction with spastic hemiplegia based on the diagnosis of a specialist; impairment in the gross motor skills; high muscle tone; parents' consent for participation of their child in the study; and child's ability to do the exercises. Exclusion criteria: Taking anti-seizure drugs; chromosomal disorders or multiple disabilities; having musculoskeletal surgeries over the last six months; affliction with renal, cardiorespiratory; and endocrine diseases; hip dislocation; the absence of more than two sessions during the intervention period and injection of botulinum

toxin during the past three months.

Age

From **4 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **24**

Randomization (investigator's opinion)

Randomized

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

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Semnan University of Medical Sciences

Street address

Semnan University of Medical Sciences, Km 5 Semnan to Damghan Road, Semnan

City

Semnan

Postal code**Approval date**

2016-11-08, 1395/08/18

Ethics committee reference number

IR.SEMUMS.REC.1395.143

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

Children with cerebral palsy

ICD-10 code

G80.0, G80

ICD-10 code description

G80.0 Spastic quadriplegic cerebral palsy G80.1 Spastic diplegic cerebral pals G80.2 Spastic hemiplegic cerebral palsy

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

Gross Motor Function

Timepoint

6 weeks

Method of measurement

Gross Motor Function Measurement

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

Spasticity

Timepoint

6 weeks

Method of measurement

Modified Ashworth scale

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

Intervention group : The intervention will consist of 12 sessions of 45 minute psychological rehabilitation program by Dosah method for patients with cerebral palsy which is designed in Japan by Professor Naroseh will be taught. The program consists of two parts of psychological and physiological which are taught by the therapist.

Category

Rehabilitation

2**Description**

Control group: common interventions in care center

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Neruromuscular Rehabilitation Research Center

Full name of responsible person

Karim Ayoubi Avaz

Street address

No.47,Semnan University of Medical Sciences, Basij Blvd, Semnan, Iran

City

Semnan

Sponsors / Funding sources**1****Sponsor**

Name of organization / entity

Vice chancellor for research, Semnan University of Medical Sciences

Full name of responsible person

Dr Ali Rashidipour

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No.47, Semnan University of Medical Sciences, Basij Blvd, Semnan, Iran

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

Yes

Title of funding source

Vice chancellor for research, Semnan University of Medical Sciences

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**

Semnan University of Medical Sciences

Full name of responsible person

Karim Ayoubi Avaz

Position

Master of sciences / Faculty member

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

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Fax**Email****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