Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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

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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

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

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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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Semnan
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

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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