Clinical Trial Protocol
Iranian Registry of Clinical Trials

06 Nov 2026

Investigating the effects of Pentoxifylline on reduction of relapse frequency in patients with relapsing-remitting multiple sclerosis (RRMS)

Protocol summary

Summary

The aim of our study is investigation the effects of Pentoxifylline on the recurrence and disease course in relapsing-remitting MS patients in Kerman. Method and material: In our double-blinded clinical trial study, using a nonrandomized method of sample selection,44 newly diagnosed MS patients who have had a relapsing-remitting pattern of disease were studied for 18 months. They were divided into 2 groups: group 1, 22 patients received a treatment which included Interferon and oral Pentoxifylline (800 mg daily for 2 months) and group 2 (control group), 22 received Interferon with a placebo. The monthly attack rates and clinical condition of the patients, using the Expanded Disability Status Scale (EDSS), were measured in 3 different times along the study (beginning of the treatment, 6 months after and at the end of the treatment).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201301148430N7**
Registration date: **2014-02-25, 1392/12/06**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-02-25, 1392/12/06

Registrant information

Name
Farhad Iranmanesh
Name of organization / entity
Kerman University of Medical Sciences
Country
Iran (Islamic Republic of)
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+98 34 1226 2629
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fpp_farhad@yahoo.com

Recruitment status

Recruitment complete

Funding source

Neuroscience Research Center, Kerman University of Medical Sciences

Expected recruitment start date

2012-06-30, 1391/04/10

Expected recruitment end date

2013-12-22, 1392/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effects of Pentoxifylline on reduction of relapse frequency in patients with relapsing-remitting multiple sclerosis (RRMS)

Public title

Effect of pentoxifylline on multiple sclerosis treatment

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: new case of MS compatible with MC donalds ؛relapsing -remitting pattern ؛ age between 20-40 Y/O exclusion criteria: other patterns of MS except RRMS؛ other immunomodulatory medications use except beta interferon؛pregnancy and lactation ؛concurrent autoimmune diseases and it's related drugs؛allergy to drug ؛liver disease؛renal disease ؛antihypertensive and ASA and anticoagolant drugs

Age

From **20 years** old to **40 years** old

Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **44**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
RESEARCH AND TECHNOLOGY KERMAN UNIVERSITY OF MEDICAL SCIENCE
Street address
KERMAN,FOURWAY TAHMASABAD
City
KERMAN
Postal code
7619813159
Approval date
2012-07-01, 1391/04/11
Ethics committee reference number
k/91/92

Health conditions studied

1

Description of health condition studied
MULTIPLE SCLEROSIS
ICD-10 code
G35
ICD-10 code description
Multiple sclerosis

Primary outcomes

1

Description
recurrence
Timepoint
monthly
Method of measurement
clinical examination

2

Description
Expanded Disability Status Scale
Timepoint
before of the treatment, 6 months after and at the end of the treatment
Method of measurement
clinical examination

Secondary outcomes

empty

Intervention groups

1

Description
intervention group : tablet Pentoxifylline 800 mg daily for 2 months
Category
Treatment - Drugs

2

Description
control group: placebo with similar dose of intervention group
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
shafa hospital
Full name of responsible person
akbar hamziee moghaddam MD
Street address
kerman,shafa street
City
kerman

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Neuroscience Research center
Full name of responsible person
hossien ali ebrahimi MD
Street address
shafah hospital
City

kerman

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Neuroscience Research center

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

kerman university of medical science

Full name of responsible person

akbar hamzei moghaddam MD

Position

neuorologist

Other areas of specialty/work

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Full name of responsible person

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Person responsible for updating data

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assistant

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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