

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

26 May 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)

##### Phone

+98 34 1226 2629

##### Email address

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 hamzиеe 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**

neurologist

**Other areas of specialty/work**

**Street address**

shafa hospital

**City**

kerman

**Postal code**

7618751151

**Phone**

+98 34121157809

**Fax**

+98 21 15803

**Email**

shafahospital@kmu.ac.ir

**Web page address**

http://shafah.kmu.ac.ir

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

kerman university of medical science

**Full name of responsible person**

roostam seifaddini MD

**Position**

neurologist

**Other areas of specialty/work**

**Street address**

shafa hospital

**City**

kerman

**Postal code**

7618751151

**Phone**

+98 34121157809

**Fax**

+98 21 15803

**Email**

shafahospital@kmu.ac.ir

**Web page address**

http://shafah.kmu.ac.ir

**Person responsible for updating data**

**Contact**

**Name of organization / entity**

kerman university of medical science

**Full name of responsible person**

asma najafzadeh MD

**Position**

assistant

**Other areas of specialty/work**

**Street address**

shafah hospital

**City**

kerman

**Postal code**

7618751151

**Phone**

+98 34121157809

**Fax**

+98 21 15803

**Email**

shafahospital@kmu.ac.ir

**Web page address**

http://shafah.kmu.ac.ir

**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*