

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 May 2026

### Comparesion between treatment with *Boswellia serrata* against placebo to change the progression of cognitive disorders in Multiple sclerosis patients

#### Protocol summary

##### Summary

Multiple sclerosis is a demyelinating disease of central nervous system. Cognitive impairment is one of important disorder in these patients that have prevalence about 34-65%. *Boswellia serrata* is a substance that has been used for the augmentation of memory and learning skills in the past. There are plenty of studies focusing on the anti-inflammatory effects of *Boswellia serrata*. In addition of anti-inflammatory effects, neuroprotective properties have been reported. Since MS is an inflammatory disease and cognitive impairment is one of the influential elements on the life of MS patients, the effect of *Boswellia serrata* on the cognitive impairment of MS patients is investigated in the present work using BICAMS test.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013070813911N1**

Registration date: **2013-08-22, 1392/05/31**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2013-08-22, 1392/05/31

##### Registrant information

##### Name

Behnaz Sedighi

##### Name of organization / entity

Kerman University of Medical Sciences, Shafa hospital

##### Country

Iran (Islamic Republic of)

##### Phone

+98 34 1211 5817

##### Email address

b-sedighi@kmu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Neurology Research Center, Kerman University of Medical Sciences, Kerman, Iran

##### Expected recruitment start date

2013-02-19, 1391/12/01

##### Expected recruitment end date

2013-06-22, 1392/04/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparesion between treatment with *Boswellia serrata* against placebo to change the progression of cognitive disorders in Multiple sclerosis patients

##### Public title

Effect of *Boswellia serrata* in prevention of cognitive impairment progression in multiple sclerosis

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criterion: definite multiple sclerosis. Exclusion criteria: taking new drugs; hypersensitivity to *Boswellia serrata* and drug side effect.

##### Age

No age limit

##### Gender

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 74

**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**

Neurology Research Center, Kerman University of  
Medical Science, Kerman, Iran

**Street address**

shafa hospital, kerman

**City**

kerman

**Postal code****Approval date**

2013-02-13, 1391/11/25

**Ethics committee reference number**

K/91/379

**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**

Cognitive impairment

**Timepoint**

Before intervention and 2 months later

**Method of measurement**

BICAMS TEST

**Secondary outcomes**

empty

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

cap Boswellia serrata 300mg BD. 2 months for  
intervention group

**Category**

Treatment - Drugs

**2****Description**

Cap placebo 300mg BD, 2 months for control group

**Category**

Placebo

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

infirmary multiple sclerosis, Shafa hospital

**Full name of responsible person****Street address**

Shafa hospital

**City**

Kerman

**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Kerman University of Medical Science

**Full name of responsible person**

Dr. Malekpur

**Street address**

jomhuri bool, Kerman university of medical science

**City**

Kerman

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

Yes

**Title of funding source**

Kerman University of Medical Science

**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*

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## Person responsible for general inquiries

### Contact

**Name of organization / entity**  
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Behnaz Sedighi  
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Associate professor  
**Other areas of specialty/work**  
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## Person responsible for updating data

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## Person responsible for scientific 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*