Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

The assessment of effect of Cinnovex, Rebif and Betaferon on serum level of brain-derived neurotrophic factor in multiple sclerosis patients referring to neurology department of Ahwaz Golestan hospital.

Protocol summary

Summary

(1)Objectives:The assessment of the effect of Cinnovex, Rebif and Betaferon on serum levels of brain-derived neurotrophic factor. (2)Design:sampling of all newly diagnosed multiple sclerosis patients referring to neurology department of Ahvaz Golestan hospital, according to inclusion and exclusion criteria, up to 55 cases.(3)Setting and conduct:serum levels of brain-derived neurotrophic factor and expanded disability status scale of new diagnosed multiple sclerosis patients will be measured at the time of diagnosis and three months after description of Cinnovex, Rebif and Betaferon, and results will be compared statistically. (4)Participants:55 cases. Major inclusion criteria:no history of receiving Interferons, Mitoxantrone or Cyclophosphamide for any reason؛ and expanded disability status scale between 0 and 5.5. Major exclusion criteria:change in patient's medication regimen during the study؛ and lack of access to patient. (5)Intervention:vial Cinnovex 30micrograms intramuscular weekly, or vial Rebif 44micrograms three times a week, or vial Betaferon 250micrograms every other day. (6)Main outcome measure (variable):serum brain-derived neurotrophic factor level.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013073114234N1**
Registration date: **2013-09-14, 1392/06/23**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-09-14, 1392/06/23

Registrant information

Name
Shahram Tarahomi
Name of organization / entity
Ahvaz Jondishapoor university
Country
Iran (Islamic Republic of)
Phone
+98 61 1374 3012
Email address
tarahomi.sh@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Ahvaz Jondishapur University of Medical Sciences

Expected recruitment start date

2012-06-21, 1391/04/01

Expected recruitment end date

2013-04-21, 1392/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The assessment of effect of Cinnovex, Rebif and Betaferon on serum level of brain-derived neurotrophic factor in multiple sclerosis patients referring to neurology department of Ahwaz Golestan hospital.

Public title

The assessment of effect of Cinnovex, Rebif and Betaferon on serum level of brain-derived neurotrophic factor in multiple sclerosis patients referring to neurology department of Ahwaz Golestan hospital.

Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria: (1)Newly diagnosed multiple sclerosis patients (documented in neurology department of Ahvaz Golestan hospital); (2)No history of receiving Interferons, Mitoxantrone or Cyclophosphamide for any reason; (3) Expanded disability status scale between 0 and 5.5; (4)No involvement to other neurologic or autoimmune diseases. Exclusion criteria: (1)Patient's unwillingness to continue participation in the survey; (2)Change in patient's medication regimen during the study; (3)Lack of access to patient (death, migration).
Age
No age limit
Gender
Both

Phase
2-3
Groups that have been masked
No information
Sample size
Target sample size: **55**
Randomization (investigator's opinion)
N/A
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
Ethics committee of Ahvaz Jundishapur University of Medical Sciences
Street address
Ahvaz Jundishapur University of Medical Sciences, Esfand St, Golestan Blv.
City
Ahvaz
Postal code
61357-15794
Approval date
2012-12-19, 1391/09/29
Ethics committee reference number
Eth-652

Health conditions studied

1

Description of health condition studied
Multiple sclerosis
ICD-10 code
G35
ICD-10 code description
Demyelinating diseases of the central nervous system

Primary outcomes

1

Description
Type of medication
Timepoint
At the beginning of survey and three months after first sampling
Method of measurement
Nominal(Cinnovex, Rebif, Betaferon)

2

Description
serum level of brain-derived neurotrophic factor
Timepoint
At the beginning of survey and three months after first sampling
Method of measurement
Picogram per milliliter

3

Description
Expanded Disability Status Scale (EDSS)
Timepoint
At the beginning of survey and three months after first sampling
Method of measurement
Number from 0 up to 10

Secondary outcomes

1

Description
Age
Timepoint
At the beginning of survey
Method of measurement
Year

2

Description
Sex
Timepoint
At the beginning of survey
Method of measurement
Nominal (male-female)

Intervention groups

1

Description
Vial Cinnovex, 30microgram, Intamuscular, weekly, for 3months
Category
Treatment - Drugs

2

Description
Vial Rebif, 44microgram, Subcutaneous, 3times a week, for 3 months
Category
Treatment - Drugs

3

Description
Vial Betaferon, 250microgram, Subcutaneous, every other day, for 3 months
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Golestan hospital
Full name of responsible person
Shahram Tarahomi, MD
Street address
Nosrat St, Golestan Blv.
City
Ahvaz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Ahvaz Jundishapur University of Medical Sciences
Full name of responsible person
Mostafa Feghhi, MD
Street address
Esfand St, Golestan Blv.
City
Ahvaz
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, Ahvaz Jundishapur 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
Ahvaz Jundishapur University of Medical Sciences
Full name of responsible person
Shahram Tarahomi, MD
Position
Resident of Neurology
Other areas of specialty/work
Street address
Esfand St, Golestan Blv.
City
Ahvaz
Postal code
Phone
+98 61 1374 3012
Fax
Email
tarahomi.sh@ajums.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Ahvaz Jundishapur University of Medical Sciences
Full name of responsible person
Nasraran Madjdinasab, MD
Position
Associate Professor
Other areas of specialty/work
Street address
Esfand St, Golestan Blv.
City
Ahvaz
Postal code
Phone
+98 61 1374 3012
Fax
Email
n.madjdinasab@gmail.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person
Shahram Tarahomi, MD
Position
Resident of Neurology
Other areas of specialty/work
Street address
Esfand St, Golestan Blv.
City
Ahvaz
Postal code
Phone
+98 61 1374 3012
Fax
Email
tarahomi.sh@ajums.ac.ir
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