Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison of the effects of two different methods of epidural steroid injection after recurrent lubmar disc herniation

Protocol summary

Summary

The purpose of this study is to evaluate different methods of epidural steroid injection in recurrent lumbar discopathy. The inclusion criteria are pain, recurrent disc herniation after operation and no response after 2 weeks conservative treatment and exclusion criteria are severe disc extrusion and neurologic deficit. A total of 30 patients will be selected from patients who come back to the clinic of hospital due to recurrent pain after operation and accept the informed consent. The injection of 40mg Prednisolone will be done in two different methods (transforamial and caudal) in two group (15 patients in each group) and severity of pain, walking and standing tolerance will be measured as outcome measures.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138903084047N1**
Registration date: **2010-11-12, 1389/08/21**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2010-11-12, 1389/08/21

Registrant information

Name

Saeid Karamouzian

Name of organization / entity

Kerman Neurocience Research Center

Country

Iran (Islamic Republic of)

Phone

+98 34 1223 5011

Email address

skaramuzian@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Kerman Neuroscience Center

Expected recruitment start date

2010-05-22, 1389/03/01

Expected recruitment end date

2011-03-20, 1389/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effects of two different methods of epidural steroid injection after recurrent lubmar disc herniation

Public title

The effects of epidural steroid injection

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: recurrent disc herniation who do not respond to conventional treatment, radicular pain is greater than lumbar pain, 6 weeks past from pain onset
Exclusion criteria: severe extruded intervertebral disc, progressive neurological deficit, history of steroid injection for lumbar or radicular pain, financial or complaint gain, history of coagulopathy or allergy to anesthetic agent or corticosteroid, pregnancy

Age

From **18 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **30**

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

Ethic committee of Neuroscience Research Center

Street address

Tahmasbabad cross-road, Jahad street,

City

Kerman

Postal code

Approval date

2010-05-04, 1389/02/14

Ethics committee reference number

کا-ع/89-3

Health conditions studied

1

Description of health condition studied

recurrent lumbar discopathy

ICD-10 code

G55.1

ICD-10 code description

nerve root and plexus

Primary outcomes

1

Description

severity of pain

Timepoint

1, 2 & 6 months after the intervention

Method of measurement

numerical pain score

2

Description

walking tolerance

Timepoint

1, 2 & 6 months after the intervention

Method of measurement

meter

3

Description

standing tolerance

Timepoint

1, 2 & 6 months after the intervention

Method of measurement

minute

Secondary outcomes

empty

Intervention groups

1

Description

Injection of 40 mg methylprednisolone in epidural sapce of spinal column via caudal method

Category

Treatment - Other

2

Description

Injection of 40 mg methylprednisolone in epidural sapce of spinal column via transforaminal method

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Bahonar hospital

Full name of responsible person

Dr Karamouzian

Street address

Shahid Bahonar hospital, Gharani street

City

Kerman

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kerman Neuroscience Research Center

Full name of responsible person

Dr Vahid Sheybani
Street address
Tahmasb abad crossroad
City
Kerman
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Kerman 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 Neuroscience Research Center
Full name of responsible person
Saeid Karamouzian
Position
Neurosurgeon
Other areas of specialty/work
Street address
Bahonar hospital
City
Kerman
Postal code
Phone
+98 913 341 5316
Fax
Email
karamouzian@gmail.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
Dr Ali Ebrahiminejad
Position
Acossiate professor of neurosurgery
Other areas of specialty/work
Street address
Gharanee street
City
Kerman
Postal code
Phone
+98 34 1223 5011
Fax
Email
aliebrahimi_nr@yahoo.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Kerman University of Medical Sciences
Full name of responsible person
Dr Shahram Shahsavarani
Position
Resident of neurosurgery
Other areas of specialty/work
Street address
Bahonar hospital
City
Kerman
Postal code
Phone
+98 34 1273 3617
Fax
Email
shahram_shahsavarani@yahoo.com
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