Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Comparison of the effectiveness of classical acupuncture and injection acupuncture on similar points on reducing pain in discopathy low back pain.

Protocol summary

Study aim

Evaluation of different methods of acupuncture in the treatment of low back pain

Design

In this study, 30 patients with low back pain who have been referred by orthopedic surgeon or neurosurgeon to the clinic of Ghaem hospital, are selected. Participants are divided into two treatment groups using a computer program that select an odd or even number.

Settings and conduct

Background: Low back pain is one of the problems of civilized life, and many people of different ages tend to suffer from this disease, in which case the patients will suffer not only a lot of suffering, but also his work and his everyday life and affection. On the other hand, various studies have shown that acupuncture has a significant effect on reducing the pain and suffering of the patient. Place: Qaem Hospital, Acupuncture Section In two groups of 15, in one group, acupuncture is administered by injecting vitamin B and in the other without vitamin B injection.

Participants/Inclusion and exclusion criteria

Patients are selected from both sexes; Non drug use; Age between 18 and 60 years; No cardiovascular disease; No diabetic disease. Exclusion Criteria: Pregnancy; Breastfeeding; Cardiovascular diseases; Older than 18 years old; High Blood Pressure; The presence of illness-induced severe illness; There is a backache other than stretch or disco-pathetic.

Intervention groups

The first group consists of 15 patients with low back pain which in the standard acupuncture points; the needle will be pulled and then attached to an electro acupuncture device for 20 minutes. This treatment will last 3 times a week and a total of 12 sessions of 20 minutes. The second group consists of 15 patients with low back pain who will undergo small injections of vitamin B in amount of one tenth of the cc in the standard acupuncture points and this treatment will last 3 times a week and a total of 12 sessions which this action will be based on Chinese medicine references.

Main outcome variables

low back pain

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20171017036839N3**
Registration date: **2018-02-11, 1396/11/22**
Registration timing: **retrospective**

Last update: **2018-02-11, 1396/11/22**
Update count: **0**

Registration date

2018-02-11, 1396/11/22

Registrant information

Name

Hamid Abdi

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Research Deputy of Mashhad University of Medical Sciences.

Expected recruitment start date
2017-09-23, 1396/07/01
Expected recruitment end date
2017-12-21, 1396/09/30
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Comparison of the effectiveness of classical acupuncture and injection acupuncture on similar points on reducing pain in discopathy low back pain.

Public title
Comparing the Worth of Using the Needle or Micro Injection in Similar Acupoints in Low Back Pain
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Patients are selected from both sexes No drug use Age between 18 and 60 years No cardiovascular disease No diabetic disease
Exclusion criteria:
Pregnancy Breastfeeding Cardiovascular diseases Older than 18 years old High Blood Pressure The presence of illness-induced severe illness There is a backache other than stretch or disco-pathetic
Age
From **18 years** old to **60 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **30**
Randomization (investigator's opinion)
Randomized
Randomization description
Participants are divided into two treatment groups using a computer program that select an odd or even number.
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 Mashhad University of Medical Sciences
Street address
Administration Center (Qoreishi Building), Daneshgah St.
City
Mashhad
Province
Razavi Khorasan
Postal code
13944-91388
Approval date
2010-09-23, 1389/07/01
Ethics committee reference number
IR.MUMS.REC.1396.188

Health conditions studied

1

Description of health condition studied
Back Pain
ICD-10 code
M54.5
ICD-10 code description
Low back pain

Primary outcomes

1

Description
Back Pain
Timepoint
Before and after the intervention.
Method of measurement
Questionnaire

Secondary outcomes

1

Description
-
Timepoint
-
Method of measurement
-

2

Description
-
Timepoint
-
Method of measurement
-

Intervention groups

1

Description
consists of 15 patients with low back pain who will undergo small injections of vitamin B in amount of one tenth of the cc in the standard acupuncture points.
Category
Treatment - Drugs

2

Description
The first group consists of 15 patients with low back pain which in the standard acupuncture points; the needle will be pulled and then attached to an electro acupuncture device for 20 minutes. This treatment will last 3 times a week and a total of 12 ses
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Acupuncture Clinic, Special Clinic, Ghaem Hospital
Full name of responsible person
Hamid Abdi
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Ahmadabad St.
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Mashhad University of Medical Sciences
Full name of responsible person
Dr. Mohsen Tafaghodi
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Mashhad University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact
Name of organization / entity
Mashhad University of Medical Sciences
Full name of responsible person
Dr. Hamid Abdi
Position
PhD in Acupuncture
Latest degree
Specialist
Other areas of specialty/work
Traditional Medicine
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Person responsible for updating data

Contact
Name of organization / entity
Mashhad University of Medical Sciences
Full name of responsible person
Sara Abdi
Position
Researcher
Latest degree
Bachelor
Other areas of specialty/work
researcher
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
No - There is not a plan to make this available
Statistical Analysis Plan
No - There is not a plan to make this available
Informed Consent Form
Yes - There is a plan to make this available
Clinical Study Report
Not applicable
Analytic Code
Not applicable
Data Dictionary
Not applicable
Title and more details about the data/document
Only the possibility of sharing information about the main consequence exists
When the data will become available and for how long
At the end of the project
To whom data/document is available
Research leader and colleagues and related organizations such as Mashhad University of Medical Sciences
Under which criteria data/document could be used
Currently, except for the implementer and its colleagues, individuals and institutions do not have permission to use new analysis on the data.
From where data/document is obtainable
The data is available to the research leader
What processes are involved for a request to access data/document
It will only be possible to use data in coordination with the research leader
Comments
Nothing