

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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)

Phone

+98 51 3884 8931

Email address

abdih1@mums.ac.ir

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

AgeFrom **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.

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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 scientific inquiries

Contact

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

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Position

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Latest degree

Specialist

Other areas of specialty/work

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Web page address**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

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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