

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Sep 2026

The effect of capsicum ointment on chronic low back pain of patient with lumbar disc herniation

Protocol summary

Jondi Shapur University of Medical Sciences

Summary

This blind clinical trial aimed to determine the effect of capsicum ointment on chronic low back pain of patient with lumbar disc herniation. A total of 43 patients with low back pain were randomly assigned into Pepper or placebo group. The patients were instructed to apply the cream on the painful area thrice daily for 3 weeks. Pain and satisfaction of patients in both groups were measured and compared between groups.

Expected recruitment start date

2011-04-04, 1390/01/15

Expected recruitment end date

2011-06-05, 1390/03/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201107207073N1**

Registration date: **2011-08-15, 1390/05/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-08-15, 1390/05/24

Registrant information

Name

Somaye Talali

Name of organization / entity

School of Nursing and Midwifery, Jondi Shapur
University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 1377 7216

Email address

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Recruitment status

Recruitment complete

Funding source

Scientific title

The effect of capsicum ointment on chronic low back pain of patient with lumbar disc herniation

Public title

Effect of capsicum ointment on chronic low back pain

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Inter-vertebral disc disease, Lack of sensitivity to red pepper cream, No skin disease, no skin infection in the lumbar, Having a BMI less than 30, Willingness to participate in the intervention
Exclusion criteria: Unwillingness, candidate for Inter-vertebral disc surgery, pregnancy, no breast feeding

Age

No age limit

Gender

Both

Phase

1

Groups that have been masked

No information

Sample size

Target sample size: **43**

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**

Jondi Shapur University of Medical Sciences-School of Nursing and Midwifery

Street address

Jundishapur University of Medical Sciences, School of Nursing and Midwifery, Golestan Highway, Ahvaz

City

Ahvaz

Postal code**Approval date**

2011-07-23, 1390/05/01

Ethics committee reference number

ETH193

Health conditions studied**1****Description of health condition studied**

Disc herniation

ICD-10 code

M51.1

ICD-10 code description

Lumbar and other intervertebral disc disorder

Primary outcomes**1****Description**

pain

Timepoint

Baseline, the first week, second week and third week

Method of measurement

visual analog scale

Secondary outcomes**1****Description**

Patient's satisfaction

Timepoint

The end of the third week

Method of measurement

Question of the patient

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

Intervention group: Red pepper cream %0/35-%0/65, made in Iran by Goldaroo Company, a thin layer on painful area, three times a day, for three weeks

Category

Treatment - Drugs

2**Description**

Control group: A cream without the active ingredient Similar to the active drug, a thin layer on painful area, three times a day, for three weeks

Category

Treatment - Drugs

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

Dr Mahmood Pamorghy' Office

Full name of responsible person

Dr Mahmood Pamorghy

Street address

Aryan Complex, next to Blood Transfusion Organization, Nadery Crossroad, Ahvaz

City

Ahvaz

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

Jondi Shapur University of Medical Sciences

Full name of responsible person

Dr. Mostafa Fegghi, Vice-Chancellor for Research

Street address

Jondi Shapur University of Medical Sciences, School of Nursing and Midwifery

City

Ahvaz

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

Yes

Title of funding source

Jondi Shapur 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**

School of Nursing and Midwifery, Jondi Shapur
University of Medical Sciences

Full name of responsible person

Somaye Talali

Position

Master of Science in Nursing

Other areas of specialty/work**Street address**

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Sedighe Faiazy

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Web page address**Person responsible for updating data****Contact****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*