Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

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

Protocol summary

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.

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
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School of Nursing and Midwifery, Jondi Shapur University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Jondi Shapur University of Medical Sciences

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

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 Feghhi, 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
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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