# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

09 Nov 2026

## Effect of herbal ointment (pepper, rosemary, peppermint) on back pain in patients undergoing angiography

## Protocol summary

**Summary**

This study aimed to investigate the effect of a combination of herbal ointment on back pain in patients,undergoing angiography.The study population included all patients with angiography and samples are consisted of 80 patients with angiography in amiralmomenin Hospital in Arak that they do not have any complication of angiography and not affected by bleeding disorders and lumbar discopathy and available sampling was used to collect samples. In the intervention group for 2 days(4 times per day)Herbal ointment rubbed on their back and before using the ointment and at the end of the second day pain levels measured with VAS scale.in control group lubricant gel use as placebo.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2017050133751N1**
Registration date: **2017-06-11, 1396/03/21**
Registration timing: **retrospective**

Last update:
Update count: **0**

**Registration date**

2017-06-11, 1396/03/21

**Registrant information**

**Name**

rezvan ghafarzadegan

**Name of organization / entity**

Arak University of Medical Sciences

**Country**

Iran (Islamic Republic of)

**Phone**

+98 86 3426 2226

**Email address**

rghafarzadegan@gmail.com

**Recruitment status**

**Recruitment complete**

**Funding source**

Arak University of Medical Sciences

**Expected recruitment start date**

2016-03-20, 1395/01/01

**Expected recruitment end date**

2017-03-20, 1395/12/30

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Effect of herbal ointment (pepper, rosemary, peppermint) on back pain in patients undergoing angiography

**Public title**

Effect of herbal ointment on back pain in patients undergoing angiography

**Purpose**

Supportive

**Inclusion/Exclusion criteria**

Inclusion criteria: Ready to participate in the study and informed consent form filling Older than 18 and younger than 60 years Having a history of allergic diseases According to his statement, with no mental illness and mental illness was incurable and did not take this drug. Being non-emergency angiography Full patient Consciousness Exclusion criteria: Complications during angiography There is active bleeding disorders Not wanting to get involved in different stages of research History of back pain or surgery on the spine discopathy Systolic blood pressure greater than 190 mm Hg and diastolic blood pressure greater than 110 mm Hg

**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: **80**

**Randomization (investigator's opinion)**
Randomized

**Randomization description**

**Blinding (investigator's opinion)**
Not blinded

**Blinding description**

**Placebo**
Used

**Assignment**
Parallel

**Other design features**

## Secondary Ids

**1**

**Registry name**
ثبت نشده

**Secondary trial Id**
ثبت نشده

**Registration date**
empty

## Ethics committees

**1**

**Ethics committee**

**Name of ethics committee**
Ethics committee of arak University of Medical Sciences

**Street address**
arak basij square

**City**
arak

**Postal code**

**Approval date**
2015-11-23, 1394/09/02

**Ethics committee reference number**
ir.arakmu.rec.1394.218

## Health conditions studied

**1**

**Description of health condition studied**
low back pain

**ICD-10 code**
R29-8

**ICD-10 code description**
Diseases of the musculoskeletal system and connective tissue

## Primary outcomes

**1**

**Description**
pain

**Timepoint**
daily

**Method of measurement**
VAS scale

## Secondary outcomes

**1**

**Description**
BMI

**Timepoint**
Daily

**Method of measurement**
Kg & Meter

## Intervention groups

**1**

**Description**
intervantion group:herbal ointment combination of pepper,peppermint and resemary.constructed by daymond company.use for 2 days(4 times per day)

**Category**
Treatment - Drugs

**2**

**Description**
control group: placebo lubricant gel using for 2 days(4 times per day)

**Category**
Treatment - Drugs

## Recruitment centers

**1**

**Recruitment center**

**Name of recruitment center**
Arak Amiralmomenin Hospital

**Full name of responsible person**
rezvan ghafarzadegan

**Street address**
arak basij square

**City**
Arak

## Sponsors / Funding sources

**1**

**Sponsor**

**Name of organization / entity**

Vice Chancellor for research of arak university of medical sciences

**Full name of responsible person**
Rezvan Ghafarzadegan

**Street address**
Basij Square arak

**City**
arak

**Grant name**
-

**Grant code / Reference number**
-

**Is the source of funding the same sponsor organization/entity?**
Yes

**Title of funding source**
Vice Chancellor for research of arak 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**
Arak University of Medical Sciences

**Full name of responsible person**
Ghazavi Ali

**Position**
PHD

**Other areas of specialty/work**

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+98 86 3417 3645

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ghazaviali@gmail.com, ghazaviali@arakmu.ac.ir

**Web page address**

## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**
arak university of medical sciences

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rghafarzadegan

**Position**
master of sciences

**Other areas of specialty/work**

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**Web page address**

## Person responsible for updating data

**Contact**

**Name of organization / entity**
arak university of medical sciences

**Full name of responsible person**
rghafarzadegan

**Position**
master of sciences

**Other areas of specialty/work**

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arak basij square

**City**
arak

**Postal code**

**Phone**
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**Fax**

**Email**

**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*