Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

clinical trial comparing the effect of oral piroxicam and subcotaneus injection of piroxicam(mesotherapy) on improvement of pain and function in patients with knee osteoarthriris.

Protocol summary

Summary

target:evaluation of the effectiveness of mesotherapy in decreasing pain and improvement of the function in40-70y/o patient with knee osteoarthritis.inclusion criteria:mild to moderate disease;exclusion criteria:DM,rheumatic disease,pregnancy,knee injection in recent 3month;sample size:60cases;intervention:subcotaneus injection of 20mg injection in knee in first group and prescribtion of 20mg of oral piroxicam for 10days in second group and follow up patients For 2 and 4weeks after intervention;time of study:shahrivar 96-khordad 97(september 2017-may2018).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017052434113N1**
Registration date: **2017-09-19, 1396/06/28**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-09-19, 1396/06/28

Registrant information

Name
fahime estakhri

Name of organization / entity
shiraz university of medical sience

Country
Iran (Islamic Republic of)

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estakhrif@sums.ac.ir

Recruitment status
Recruitment complete

Funding source
investigator

Expected recruitment start date
2017-09-06, 1396/06/15

Expected recruitment end date
2018-06-05, 1397/03/15

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title

clinical trial comparing the effect of oral piroxicam and subcotaneus injection of piroxicam(mesotherapy) on improvement of pain and function in patients with knee osteoarthriris.

Public title

effectiveness of subcotaneous injection of piroxicam compared with oral use of piroxicam in pain improvement in patients with knee osteoarthritis.

Purpose
Treatment

Inclusion/Exclusion criteria

inclusion criteria:40-70y/o patients with mild to moderate osteoarthritis with clinical symptoms at least recent 1month; exclusion criteria:disease suchvas:DM,collagen vascular and rheumatism,gout,neuropathy,radiculopathy,nerve injury,brucella,BMI>42,trauma ,bleeding tendency,significant hepatic,renal and cardiopulmonaryproblems,knee arthroplasty,allergy to piroxicam,knee injection in recent

3month,pregnancy,cancer,cognitive disorders.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

randomized method:patients with similar sex,age,job,life style and comorbidities put in 2 groups;this study is single blind(blind for information analysts at the end of the study).

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

shiraz university of medical sciences

Street address

shiraz,zand street,opposite of felestin street ,the central building

City

shiraz

Postal code

71348-14336

Approval date

2016-12-22, 1395/10/02

Ethics committee reference number

IR.SUMS.MED.REC.1395.59

Health conditions studied

1

Description of health condition studied

arthrosis

ICD-10 code

M17.0;M17.

ICD-10 code description

primary gonarthrosis,bilateral;other primary gonarthrosis

Primary outcomes

1

Description

pain improvement

Timepoint

befor intervention,2and4weeks after intervention

Method of measurement

VAS,WOMAC,AXFORD questionnaires

Secondary outcomes

1

Description

improvement in function

Timepoint

before intervention,2 and 4 weeks after intervention

Method of measurement

VAS,WOMAC,AXFORD questionnaires

Intervention groups

1

Description

group1intervention:subcotaneus injection of 20mgpiroxicam with 5cc lidocain2% around knee,repeat 10days later,life style modification and knee exercise.

Category

Treatment - Drugs

2

Description

group 2 intervention:oral use of 20 mg piroxicam for 10 days,life style modification,exercise for knee.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

hafez hospital

Full name of responsible person

fahime estakhri

Street address

shiraz,bolvare chamran,after social security organization

City

shiraz

2

Recruitment center

Name of recruitment center

rajaee hospital

Full name of responsible person

fahime estakhri
Street address
shiraz chamran near to niyayesh
City
shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
vice chancellor for research of shiraz university of medical science
Full name of responsible person
vice chancellor for research of shiraz university of medical science
Street address
shiraz, zand street ,medical college of shiraz university
City
shiraz
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 shiraz university of medical science
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
shiraz university of medical science
Full name of responsible person
fahime estakhri
Position
physiatry resident
Other areas of specialty/work
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Web page address

Person responsible for updating data

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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