

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparison of two-drug regimen of Glucosamine sulfate and Prednisolone with one-drug regimen of Glucosamine sulfate in treatment of knee osteoarthritis

Protocol summary

Summary

Objective: This study was conducted to compare the clinical efficacy of two-drug regimen of glucosamine and prednisolone with one-drug regimen of glucosamine in treatment of knee osteoarthritis. Methods: In this randomized clinical trial, 30 patients received glucosamine and prednisolone (case group) and 25 cases underwent treatment by only glucosamine (control group) for 12 weeks. Inclusion criteria: Chronic pain due to osteoarthritis, Knee cryptation, osteophytes and subchondral sclerosis in radiography, Normal CRP and ESR Exclusion criteria: treatment with NSAIDs, history of trauma, other rheumatologic disorders, diabetes, Hypertension, Knee replacement, immuno depressant. To assess pain and disability, WOMAC (Western Ontario and McMaster Universities) was used.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138803242032N1**

Registration date: **2010-11-08, 1389/08/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-11-08, 1389/08/17

Registrant information

Name

Farhad Pourfarzi

Name of organization / entity

Ardabil University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 45 3325 9011

Email address

f.pourfarzi@arums.ac.ir

Recruitment status

Recruitment complete

Funding source

private

Expected recruitment start date

2009-03-21, 1388/01/01

Expected recruitment end date

2009-09-21, 1388/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of two-drug regimen of Glucosamine sulfate and Prednisolone with one-drug regimen of Glucosamine sulfate in treatment of knee osteoarthritis

Public title

Comparison of two-drug regimen of Glucosamine sulfate and Prednisolone with one-drug regimen of Glucosamine sulfate in treatment of knee osteoarthritis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Chronic pain due to osteoarthritis, Knee cryptation, osteophytes and subchondral sclerosis in radiography, Normal CRP and ESR Exclusion criteria: treatment with NSAIDs, history of trauma, other rheumatologic disorders, diabetes, Hypertension, Knee replacement, immuno depressant

Age

From **45 years** old to **84 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **55**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ardabil University of Medical Sciences

Street address

Ardabil - Ardabil University of Medical Sciences

City

Ardabil

Postal code

Approval date

empty

Ethics committee reference number

6586

Health conditions studied

1

Description of health condition studied

Osteoarthritis

ICD-10 code

M19.9

ICD-10 code description

Arthrosis, unspecified

Primary outcomes

1

Description

pain

Timepoint

week 6 and 12

Method of measurement

WOMAC

Secondary outcomes

1

Description

Movement limitation

Timepoint

week 6 and 12

Method of measurement

WOMAC

Intervention groups

1

Description

glucosamine and prednisolone (case group)

Category

Treatment - Drugs

2

Description

only glucosamine (control group)

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ardabil Imam khomeini hospital

Full name of responsible person

Farhad Pourfarzi

Street address

City

Ardabil

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ardabil University of Medical Sciences

Full name of responsible person

Mehrdad Mirza Rahimi

Street address

Ardabil - Ardabil University of Medical Sciences

City

Ardabil

Grant name

Grant code / Reference number

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

Yes

Title of funding source
Ardabil 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

Academic member, Assistant professor
Other areas of specialty/work
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Person responsible for general inquiries

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Position
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Position

Person responsible for updating data

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Full name of responsible person
Position
Other areas of specialty/work
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City
Postal code
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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