Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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
Osteoartheritis

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

Person responsible for general inquiries

Contact
Name of organization / entity
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Person responsible for updating data

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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