Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Effect of hydroxychloroquine on symptoms of patients with knee osteoarthritis who will attend to rheumatology clinic of Imam Reza Hospital of Mashhad Mashhad

Protocol summary

Summary

Aim: The aim of this study is to evaluate the effect of hydroxychloroquine on primary knee osteoarthritis symptoms. Patients: All patients with primary knee osteoarthritis who will come to Rheumatology Clinic of Imam Reza Hospital of Mashhad. Inclusion criteria: 1) Knee osteoarthritis according to ACR criteria grade I & II (Kellgren and Lawrence grades) 2) Age 45-65 years Exclusion criteria: 1) Secondary osteoarthritis 2) Osteoarthritis grade> II 3) History of knee arthroscopy or intra-articular corticosteroid injection during the last 6 months 4) History of hypersensitivity to antimalarial drugs 5) Any eye problem Sample size: 60 patients Intervention: oral hydroxychloroquine 200 mg twice daily for 24 weeks Primary outcome: knee osteoarthritis symptoms

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138709121479N1**
Registration date: **2008-12-23, 1387/10/03**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2008-12-23, 1387/10/03

Registrant information

Name

Mohammadhassan Jokar

Name of organization / entity

Mashhad University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 51 1859 8818

Email address

jokarmh@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

The vice Chancellor for Research, Mashhad University for Medical Sciences

Expected recruitment start date

2008-12-21, 1387/10/01

Expected recruitment end date

2009-06-20, 1388/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of hydroxychloroquine on symptoms of patients with knee osteoarthritis who will attend to rheumatology clinic of Imam Reza Hospital of Mashhad Mashhad

Public title

Effect of hydroxychloroquine on symptoms of patients with knee osteoarthritis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: 1) Knee osteoarthritis according to ACR criteria 2) Knee osteoarthritis grade I & II (Kellgren and Lawrence grades) 3) Age 45-65 years 4) Ability to read and write Exclusion criteria: 1) Secondary osteoarthritis 2) Osteoarthritis grade> II 3) History of knee arthroscopy during the last 6 months 4) History of intra-articular corticosteroid injection during the last 6 months 5)

History of hypersensitivity to antimalarial drugs 6) Any eye problem

Age
From **45 years** old to **65 years** old

Gender
Both

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **60**

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
Ethics committee of Mashhad Univrsity for Medical Science

Street address
Mashhad Univrsity for Medical Science, Daneshgah street

City
Mashhad

Postal code
91375-345

Approval date
2008-05-19, 1387/02/30

Ethics committee reference number
87033

Health conditions studied

1

Description of health condition studied
Osteoarthritis

ICD-10 code
M17.0 , M1

ICD-10 code description
Primary gonarthrosis, bilateral, Other primary gonarthrosis

Primary outcomes

1

Description
knee osteoarthritis symptpms

Timepoint
every month for 6 months

Method of measurement
WOMAC Index

Secondary outcomes

1

Description
Joint cartilage thickness

Timepoint
At the begining and six months after intervention

Method of measurement
Joint space meaturement

Intervention groups

empty

Recruitment centers

1

Recruitment center

Name of recruitment center
Imam Reza Hospital, Mashhad

Full name of responsible person
Dr Mohammadhassan Jokar

Street address
Internal Medicine Deprtment,Imam Reza Hospital, Mashad, Iran

City
Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
The Vice Chancellor for Research, Mashhad University for Medical Sciences

Full name of responsible person
Dr Jalil Tavakkol Afshari

Street address
The Vice Chancellor for Research, Mashhad University for Medical Sciences, Mashhad, Iran

City
Mashhad

Grant name
بودجه پژوهشی

Grant code / Reference number
87033

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

Yes

Title of funding source

The Vice Chancellor for Research, Mashhad University for 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

Imam Reza Hospital, Mashhad University for Medical Sciences

Full name of responsible person

Dr Mohammadhassan Jokar

Position

Assistant Professor and subspecialist in rheumatology

Other areas of specialty/work

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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