

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 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

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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 University for Medical Science

Street address

Mashhad University 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 symptoms

Timepoint

every month for 6 months

Method of measurement

WOMAC Index

Secondary outcomes**1****Description**

Joint cartilage thickness

Timepoint

At the beginning and six months after intervention

Method of measurement

Joint space measurement

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 Department, Imam Reza Hospital, Mashhad, 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

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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