

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Short-term efficacy of intra-articular injection, PRP(platelet rich plasma) compared with placebo in patients with osteoarthritis of the knee in Zanzan province

Protocol summary

Summary

This study will be conducted in Vali-Asr Hospital Rheumatology Clinic of men and women in the age range 30-70 years with osteoarthritis of the America College of Rheumatology classification criteria (ACR) shall be verified and if both diseases with a severely infected knee and the severity of patients in radiology 3-2 (moderately severe) will be examined. There is pain in patients with osteoarthritis of the knees and feel Kryptasyvn detailed mechanical examinations and x-rays are symptoms. PRP injections will be as follows: 48 hours ago PRP injection is not taking any painkiller. The amount of 4 cc of PRP produced in absolutely sterile syringes prepared in the knee by a rheumatologist PT Supra respected. From anesthetic injection will not be used. The patient's knee under sterile conditions and given normal saline Khvahdshd.dr baseline VAS and WOMAC questionnaire six weeks after PRP injections for patients by residents will be filled, and every knee will be examined separately. It also is repeated after 6 weeks of preliminary tests to check for possible side effects.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016030626922N1**
Registration date: **2016-04-08, 1395/01/20**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-04-08, 1395/01/20

Registrant information

Name

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Name of organization / entity

Zanzan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Zanzan University of Medical Sciences

Expected recruitment start date

2015-09-23, 1394/07/01

Expected recruitment end date

2016-02-19, 1394/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Short-term efficacy of intra-articular injection, PRP(platelet rich plasma) compared with placebo in patients with osteoarthritis of the knee in Zanzan province

Public title

Short-term efficacy of intra-articular injection, PRP(platelet rich plasma) compared with placebo in patients with osteoarthritis of the knee

Purpose

Treatment

Inclusion/Exclusion criteria

This study will be conducted in Vali-Asr Hospital

Rheumatology Clinic of men and women in the age range 30-70 years with osteoarthritis of the America College of Rheumatology classification criteria (ACR) shall be verified and if both diseases with a severely infected knee and the severity of patients in radiology 3-2 (moderately severe) will be examined. There is pain in patients with osteoarthritis of the knees and feel Kryptasyvn detailed mechanical examinations and x-rays are symptoms. Exclusion criteria included osteoarthritis secondary to inflammatory diseases - osteoarthritis generalized - osteoarthritis with grade 1 and 4 - metabolic bone - back pain - patients during the last 3 months any intra-articular injection have or arthroscopy during the past year have had. Any severe deformity of the knee - the knee varus and valgus knee more than 5 degrees more than 5 degrees - associated diseases such as septic knee - tumor - Crystal arthropathy or stiff joint effusion - anticoagulant treatment of patients with Hb less than 10 - dysfunction platelets or blood platelet count less than 150,000 liters in Mbkrv is also pregnancy- older than 70 years of sustainable use of NSAIDS in the past 48 hours, systemic disease, such as ischemic heart disease - diabetes and hepatitis

Age

From **30 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

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**

Zanjan university of medical sciences

Street address

zanjan-Azadi sq.

City

zanjan

Postal code

4515776978

Approval date

2015-02-12, 1393/11/23

Ethics committee reference number

ZUMS.REC.1393.272

Health conditions studied**1****Description of health condition studied**

knee osteoarthritis

ICD-10 code

(M15-M19)

ICD-10 code description

osteoarthritis

Primary outcomes**1****Description**

The severity of joint pain

Timepoint

4-6week

Method of measurement

Patient interview questionnaire WOMAC + VAS

2**Description**

The severity of stiffness

Timepoint

4-6 week

Method of measurement

Patient interview questionnaire WOMAC + VAS

3**Description**

Severity of joint dysfunction

Timepoint

4-6 week

Method of measurement

Patient interview questionnaire WOMAC + VAS

Secondary outcomes

empty

Intervention groups**1****Description**

injection A:PRP B:normal saline

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

zanjan-Vali-e-asr hospital

Full name of responsible person

dr.A. sadeghi

Street address

zanjan-Vali-e-asr Sq.

City

zanjan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zanjan university of medical sciences

Full name of responsible person

dr.A. sadeghi

Street address

zanjan- Azadi Sq.

City

zanjan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Zanjan 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

Zanjan university of medical sciences

Full name of responsible person

tayebe lakzaei

Position

Resident of Internal Medicine

Other areas of specialty/work**Street address**

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Full name of responsible person

tayebe lakzaei

Position

Resident of Internal Medicine

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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