

# 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

Tayebe Lakzaei

##### Name of organization / entity

Zanzan University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 24 3302 3231

##### Email address

dr.lakzaei55@zums.ac.ir

##### 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**

Zanjan

**City**

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Dr.lakzaei55@zums.ac.ir

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

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**Full name of responsible person**

dr.A. sadeghi

**Position**

Rheumatologist

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## Person responsible for updating data

### 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**

Zanjan university of medical sciences- Vali-e-asr hospital

**City**

Zanjan

**Postal code****Phone**

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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*