# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

17 Sep 2026

## Assessment of Pentoxifylline effect in reduction of serum C-Reactive Protein (CRP) level in hemodialysis patients in Booali Sina's hemodialysis center

## Protocol summary

**Summary**

Objective: Assessment of Pentoxifylline effect in reduction of serum C-Reactive Protein (CRP) level in hemodialysis patients. Methods: 66 patients entered in this single blind clinical trial. None of them had a inflammatory situation (such as connective tissue Dis., active infections, malignancies, recent traumas, wounds and etc ...) and none of them had taken any anti-inflammatory drugs in 2 months prior to trial. There was no excluding factor of age & sex. They randomly were divided in two groups with 33 patients in each other: One group received 400mg of Pentoxifylline daily (Case group) and another group received placebo (Control Group). Serum CRP level measured at the beginning and end of the trial (after 4 Months) for both groups.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT138901293744N1**
Registration date: **2010-06-20, 1389/03/30**
Registration timing: **retrospective**

Last update:
Update count: **0**

**Registration date**

2010-06-20, 1389/03/30

**Registrant information**

**Name**
Arash Kordi
**Name of organization / entity**
Qazvin University of Medical Sciences
**Country**
Iran (Islamic Republic of)
**Phone**
+98 28 1333 2930
**Email address**
akordi@qums.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

Qazvin University of Medical Sciences

**Expected recruitment start date**

2009-07-23, 1388/05/01

**Expected recruitment end date**

2009-08-23, 1388/06/01

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Assessment of Pentoxifylline effect in reduction of serum C-Reactive Protein (CRP) level in hemodialysis patients in Booali Sina's hemodialysis center

**Public title**

Pentoxifylline effect in reduction of serum C-Reactive Protein (CRP) level in hemodialysis patients

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion criteria: hemodialysis patients with ESRD (End Stage Renal Disease) in Booali Sina's hemodialysis center. Exclusion criteria: history of Hypersensitivity to Pentoxifylline, Xanthines (eg, caffeine, theophylline), or any component of the formulation; recent cerebral and/or retinal hemorrhage; inflamatory situations (such as connective tissue Dis., diabetic foot and other vascular problems, active infections, malignancies, recent traumas, wounds and surgeries); and take any

anti-inflamatory drugs in 2 months prior to trial.

**Age**
No age limit

**Gender**
Both

**Phase**
2

**Groups that have been masked**
*No information*

**Sample size**
Target sample size: **66**

**Randomization (investigator's opinion)**
Randomized

**Randomization description**

**Blinding (investigator's opinion)**
Single blinded

**Blinding description**

**Placebo**
Used

**Assignment**
Parallel

**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**

**Name of ethics committee**
Ethical and research commitee of Qazvin University of Medical Sciences

**Street address**
Shahid Bahonar Blvd.

**City**
Qazvin

**Postal code**

**Approval date**
2009-01-09, 1387/10/20

**Ethics committee reference number**
2744/20/28

## Health conditions studied

### 1

**Description of health condition studied**
End Stage Renal Disease

**ICD-10 code**
N18.0

**ICD-10 code description**
End Stage Renal Disease

## Primary outcomes

### 1

**Description**
serum CRP

**Timepoint**
Before intervention and four months later

**Method of measurement**
mg/liter with lab-kit(nephlometry)

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**
Pentoxifylline tablet 400 mg/daily for 4 months in intervention group

**Category**
Treatment - Drugs

### 2

**Description**
Pacebo tablet /daily for 4 months in control group

**Category**
Placebo

## Recruitment centers

### 1

**Recruitment center**

**Name of recruitment center**
Booali Sina's hospital

**Full name of responsible person**

**Street address**

**City**
Qazvin

## Sponsors / Funding sources

### 1

**Sponsor**

**Name of organization / entity**
Qazvin University of Medical Sciences

**Full name of responsible person**
Hossin Sheykhi

**Street address**
Shahid Bahonar Blvd

**City**
Qazvin

**Grant name**

**Grant code / Reference number**

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

**Title of funding source**
Qazvin 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**

Qazvin University of Medical Sciences

**Full name of responsible person**

Dr. Mahmood Ali Keshavarz

**Position**

Internal medicine residency

**Other areas of specialty/work**

**Street address**

Booali Sina's hospital, Naderi cross

**City**

Qazvin

**Postal code**

**Phone**

+98 28 1333 2930

**Fax**

+98 28 1332 6033

**Email**

keshavarz.2008@gmail.com

**Web page address**

## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**

Qazvin University of Medical Sciences

**Full name of responsible person**

Dr. Arash Kordi

**Position**

Nephrologist

**Other areas of specialty/work**

**Street address**

Qazvin University of Medical Sciences, Shahid Bahonar Blvd.

**City**

Qazvin

**Postal code**

**Phone**

+98 28 1333 2930

**Fax**

+98 28 1332 6033

**Email**

akordy@yahoo.comakordi@qums.ac.ir

**Web page address**

## Person responsible for updating data

**Contact**

**Name of organization / entity**

Qazvin University of Medical Sciences

**Full name of responsible person**

Dr. Mahmood Ali Keshavarz

**Position**

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**Other areas of specialty/work**

**Street address**

Booali Sina's hospital, Naderi cross

**City**

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+98 28 1333 2930

**Fax**

**Email**

keshavarz.2008@gmail.com

**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*