

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

24 Jun 2026

### Comparing the effect of education by Peers with education by Health Personnel on blood pressure and treatment adherence in patient with hypertension

#### Protocol summary

##### Summary

This study aimed to compare the effectiveness of education by peers with education by health personnel on blood pressure and treatment adherence in patients with hypertension in Yasouj city. 264 patients selected by convenience sampling and randomly divided into intervention group 1,2 and control group. The first patient was in the peer group, second in the personnel group, third in the control group. Inclusion criteria are ages 35 to 65 years, having chronic hypertension for at least 6 months and exclusion criteria are Patient non-compliance or withdrawal. The interventions are peer education and health personnel education. Consequence is the effect of education on blood pressure and adherence to treatment.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2015052722438N1**

Registration date: **2016-06-24, 1395/04/04**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2016-06-24, 1395/04/04

##### Registrant information

###### Name

salimeh Ranjbar

###### Name of organization / entity

Peymanieh Hospital

###### Country

Iran (Islamic Republic of)

###### Phone

+98 917 791 6422

###### Email address

s.ranjbar@jahromccpp.ir

###### Recruitment status

**Recruitment complete**

###### Funding source

Vice chancellor for research, Yasuj University of Medical Sciences

###### Expected recruitment start date

2014-04-21, 1393/02/01

###### Expected recruitment end date

2014-10-22, 1393/07/30

###### Actual recruitment start date

empty

###### Actual recruitment end date

empty

###### Trial completion date

empty

###### Scientific title

Comparing the effect of education by Peers with education by Health Personnel on blood pressure and treatment adherence in patient with hypertension

###### Public title

The effect of education on blood pressure

###### Purpose

Health service research

###### Inclusion/Exclusion criteria

Inclusion criteria: Informed consent; ages 35 to 65 years; male and female; Having chronic hypertension for at least 6 months; blood pressure higher than 140/90 mm Hg (uncontrolled) Exclusion criteria: having other acute disorders; Lack of compliance or patient withdrawal or any problem disturbing study

###### Age

From **34 years** old to **64 years** old

###### Gender

Both

### Phase

2-3

### Groups that have been masked

No information

### Sample size

Target sample size: **264**

### Randomization (investigator's opinion)

Randomized

### Randomization description

### Blinding (investigator's opinion)

Not blinded

### Blinding description

### Placebo

Not used

### Assignment

Parallel

### Other design features

They were selected by convenience sampling and randomly divided into three groups. The first patient was in the peer group, second in the personnel group, third in the control group.

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics committee of Yasuj University of Medical Sciences

##### Street address

Shahid Motahari Boulevard

##### City

Yasuj

##### Postal code

#### Approval date

2014-11-01, 1393/08/10

#### Ethics committee reference number

930801009

## Health conditions studied

### 1

#### Description of health condition studied

Hypertension

#### ICD-10 code

I10

#### ICD-10 code description

Essential (primary) hypertension

## Primary outcomes

### 1

#### Description

treatment adherence

#### Timepoint

before intervention, end of intervention, 2 month after end of intervention

#### Method of measurement

A questionnaire made by researcher

### 2

#### Description

blood pressure

#### Timepoint

before intervention, end of intervention, 2 month after end of intervention

#### Method of measurement

mmhg with analog blood pressure monitor

## Secondary outcomes

### 1

#### Description

diet

#### Timepoint

before intervention, end of intervention, 2 month after end of intervention

#### Method of measurement

A questionnaire made by researcher

### 2

#### Description

medication

#### Timepoint

before intervention, end of intervention, 2 month after end of intervention

#### Method of measurement

A questionnaire made by researcher

### 3

#### Description

exercise

#### Timepoint

before intervention, end of intervention, 2 month after end of intervention

#### Method of measurement

A questionnaire made by researcher

## Intervention groups

### 1

#### Description

Intervention group 1: peer education First session: Familiarize the patients together, nature and symptoms of the disease. Second session: Orientation patients with diet and avoiding dietary restrictions Third session: Identifying patients with antihypertensive drugs, their effects and importance, medicine consumption, visit with doctor and blood pressure measurement Fourth Session: Understanding the importance of exercise and weight

loss, reducing stress and deal with it

**Category**

Lifestyle

**2**

**Description**

Intervention group 2: Health Personnel education First session: Familiarize the patients together, nature and symptoms of the disease. Second session: Orientation patients with diet and avoiding dietary restrictions Third session: Identifying patients with antihypertensive drugs, their effects and importance, medicine consumption, visit with doctor and blood pressure measurement Fourth Session: Understanding the importance of exercise and weight loss, reducing stress and deal with it

**Category**

Lifestyle

**3**

**Description**

Control group: no intervention

**Category**

Other

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Akbarabad health center

**Full name of responsible person**

Salimeh Ranjbar

**Street address**

Shahid Madani Health Center, Ali Abad Village, Yasouj to Shiraz beginning of the road

**City**

Yasuj

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Vice chancellor for research, Yasuj University of Medical Sciences

**Full name of responsible person**

Dr Abd Mohammad Mousavi

**Street address**

Vice chancellor for research, Yasuj University of Medical Sciences, Shahid Motahary Boulevard, Yasuj

**City**

Yasuj

**Grant name**

-

**Grant code / Reference number**

-

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

Yes

**Title of funding source**

Vice chancellor for research, Yasuj 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**

Yasuj University of Medical Sciences

**Full name of responsible person**

Salimeh Ranjbar

**Position**

Ms Student

**Other areas of specialty/work**

**Street address**

School of Nursing and Midwifery, Third Floor, Campus of Yasuj University of Medical Science, next to Imam Sajjad Hospital, Yasuj

**City**

Yasuj

**Postal code**

**Phone**

+7 154339732

**Fax**

**Email**

salimehr@gmail.com

**Web page address**

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Yasuj University of Medical Sciences

**Full name of responsible person**

Alikaram Alamdari

**Position**

Ph.D of Health Research Education

**Other areas of specialty/work**

**Street address**

student management assistance of Yasuj University of Medical Sciences, Shahid Motahari Boulevard, Yasuj

**City**

Yasuj

**Postal code**

**Phone**

+98 74 3333 7248

**Fax**

**Email**

alialamdari2009@gmail.com; akalamdari@yahoo.com

**Web page address**

## **Person responsible for updating data**

### **Contact**

**Name of organization / entity**

Yasuj University of Medical Science

**Full name of responsible person**

Salimeh Ranjbar

**Position**

MS student

**Other areas of specialty/work**

**Street address**

School of Nursing and Midwifery, Third Floor, Campus of Yasuj University of Medical Science, next to Imam Sajjad Hospital, Yasuj

**City**

Yasuj

**Postal code**

75919-94799

**Phone**

+98 712234115

**Fax**

**Email**

salimehr@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*