

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jul 2026

### The effect of educative interventions on knowledge and self efficacy of blood pressure control in Patients undergoing hemodialysis: A Randomized Clinical Trial

#### Protocol summary

##### Summary

The purpose of this study is to determine the effect of Educative Intervention on Knowledge and Self Efficacy in Patients Undergoing Hemodialysis about Blood Pressure Control, The main inclusion criteria: having a history of hemodialysis for at least 6 months; at least 4 weeks systolic blood pressure over 140 mmhg before the hemodialysis or diastolic blood pressure over 90 mmhg, The main exclusion criteria: Receiving a kidney transplant, incurable disease (cancer, AIDS, ...). the research community, including patients undergoing hemodialysis with high blood pressure for hemodialysis are admitted to Sina Hospital in Tabriz, The number of samples in each group will be considered 30 people. Study is Randomized, non-blinded. Firstly, the knowledge and self-efficacy of all patients will be assessed by the questionnaires. Then for the intervention group, individual training runs by the researcher, which include: the importance of the hemodialysis sessions, fluid and salt intake limits, how to control blood pressure, blood pressure effects, the importance of drug consumption in the 2 meeting of 20 to 30 minutes in 2 consecutive turns at the bedside during the early hours of the hemodialysis because of favorability of the patient and in conclusion, educational pamphlets will be delivered to the patients. Then once a week they will be pursued by the researcher. The control group will receive training routine. Knowledge and self-efficacy will be re-evaluated after 12 weeks for determine The effect of Educative Intervention on Knowledge and Self Efficacy in Patients Undergoing Hemodialysis about Blood Pressure Control.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014071618503N1**

Registration date: **2014-12-19, 1393/09/28**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2014-12-19, 1393/09/28

##### Registrant information

###### Name

Masoumeh Baghdeli Abotalebi

###### Name of organization / entity

Tabriz University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 41 1666 4235

###### Email address

baghdeli90@gmail.com

##### Recruitment status

**Recruitment complete**

##### Funding source

Tabriz University of Medical Sciences

##### Expected recruitment start date

2015-03-20, 1393/12/29

##### Expected recruitment end date

2015-11-21, 1394/08/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of educative interventions on knowledge and self efficacy of blood pressure control in Patients

undergoing hemodialysis: A Randomized Clinical Trial

## Public title

The effect of education on blood pressure control in patients undergoing hemodialysis.

## Purpose

Treatment

## Inclusion/Exclusion criteria

Inclusion criteria: Over 18 years of age, reading and writing literacy, having a history of hemodialysis for at least 6 months; at least 4 weeks systolic blood pressure over 140 mmhg before the hemodialysis or diastolic blood pressure over 90 mmhg; awareness of the time, place, person, not having a mental disorder (diagnosed according to the patient's record); lack of formal training from other sources during the study, lack of physical limitations in self-care  
Exclusion criteria: Receiving a kidney transplant, incurable disease (cancer, AIDS, ...); unwillingness to continue reading

## Age

From 18 years old

## Gender

Both

## Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 60

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Not blinded

## Blinding description

## Placebo

Not used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Tabriz University of Medical Sciences

##### Street address

Tabriz University of Medical Sciences

##### City

Tabriz

##### Postal code

#### Approval date

2014-09-23, 1393/07/01

#### Ethics committee reference number

9115140301

## Health conditions studied

### 1

#### Description of health condition studied

Blood pressure in hemodialysis patients

#### ICD-10 code

N18.5 ,I12

#### ICD-10 code description

High blood pressure,Dependence on renal dialysis

## Primary outcomes

### 1

#### Description

knowledge

#### Timepoint

At baseline and after 12 weeks

#### Method of measurement

Questionnaire

### 2

#### Description

self efficacy

#### Timepoint

At baseline and after 12 weeks

#### Method of measurement

Questionnaire

## Secondary outcomes

### 1

#### Description

Blood pressure

#### Timepoint

At baseline and after 12 weeks

#### Method of measurement

Blood pressure device

### 2

#### Description

before dialysis weight

#### Timepoint

At baseline and after 12 weeks

#### Method of measurement

scale

## Intervention groups

### 1

#### Description

For the intervention group, individual training runs by the researcher, which include: the importance of the hemodialysis sessions, fluid and salt intake limits, how to control blood pressure, blood pressure effects, the importance of drug consumption in the 2 meeting of 20 to 30 minutes in 2 consecutive turns at the bedside

during the early hours of the hemodialysis because of favorability of the patient and in conclusion, educational pamphlets will be delivered to the patients. Then once a week they will be pursued by the researcher.

**Category**

Behavior

**2****Description**

The control group will receive routine training

**Category**

Behavior

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Sina Hospital

**Full name of responsible person**

Masoumeh Baghdeli Abotalebi

**Street address**

Iran, Tabriz Sina Hospital, unit Hemodialysis

**City**

Tabriz

**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Tabriz University of Medical Sciences

**Full name of responsible person**

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**Street address**

Tabriz University of Medical Sciences, Faculty of Nursing

**City**

Tabriz

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

Yes

**Title of funding source**

Tabriz 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**

Tabriz University of Medical Sciences

**Full name of responsible person**

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**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*