Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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

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Phone

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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

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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

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Full name of responsible person

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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