

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

The effect of educational program based on the barriers, on knowledge, attitude and Intention to do peritoneal dialysis in patients with end-stage renal disease

Protocol summary

Study aim

Determining the effect of training program based on the barriers, on knowledge, attitude and Intention to do peritoneal dialysis in patients with end-stage renal disease

Design

this is a community based nonrandomized clinical trail with no control group carried out on 45 patients who had the indication for peritoneal dialysis without any blinding.

Settings and conduct

in a quasi-experimental study without the control group with pretest-post test, 45 ESRD patients with peritoneal dialysis indication were selected with purposeful sampling. their knowledge and attitude were evaluated by a questionnaire. The training program was presented to them individually in one 60-75 min session. For some of the patients the training program was presented in two sessions according to their physical or hemodialysis condition .

Participants/Inclusion and exclusion criteria

"Inclusion criteria:"tendency to participate in program, the age at least 18 years old, having indications for peritoneal dialysis. treatment of hemodialysis at least for 3 months, no severe cognitive disorder , no serious visual and hearing impairment. "Exclusion criteria:" unwillingness to participate.

Intervention groups

For intervention group, one training session (60-75 minutes) was held for getting awareness about peritoneal dialysis equipment (catheter, set and peritoneal dialysis fluid), the procedure and its advantages . For some of the patients the training was presented in two sessions according to their physical or hemodialysis conditions . Beside the training session, educational videos and pamphlet were given to the patients.

Main outcome variables

patients' knowledge, patients' attitude , patients' Intention to do the peritoneal dialysis

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180826040873N1**

Registration date: **2019-05-03, 1398/02/13**

Registration timing: **retrospective**

Last update: **2019-05-03, 1398/02/13**

Update count: **0**

Registration date

2019-05-03, 1398/02/13

Registrant information

Name

Maliheh Salehi Kahrizsangi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 3566 3371

Email address

malih.salehi1983@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-04-04, 1397/01/15

Expected recruitment end date

2018-06-10, 1397/03/20

Actual recruitment start date

2018-04-04, 1397/01/15

Actual recruitment end date

2018-06-20, 1397/03/30
Trial completion date
 2018-09-11, 1397/06/20

Scientific title
 The effect of educational program based on the barriers, on knowledge, attitude and Intention to do peritoneal dialysis in patients with end-stage renal disease

Public title
 Effect of training on peritoneal dialysis acceptance

Purpose
 Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
 Having tendency to participate in training program Being in age range: 18 to 55 Having indications for peritoneal dialysis according to doctor' diagnosis. Being treated as hemodialysis at least for three months. Having no severe cognitive impairment such as Alsheimer and Delirium . Having ability to read and write (literacy). Having no severe vision and hearing impairment that interfere with the training.
Exclusion criteria:
 unwillingness to participate to study.

Age
 From **18 years** old to **55 years** old

Gender
 Both

Phase
 N/A

Groups that have been masked
No information

Sample size
 Target sample size: **50**
 Actual sample size reached: **45**

Randomization (investigator's opinion)
 N/A

Randomization description
Blinding (investigator's opinion)
 Not blinded

Blinding description
Placebo
 Not used

Assignment
 Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
 Ethics committee of Kashan University of Medical Sciences
Street address
 Aboozar Avenue, Ghotb Ravandi Blvd

City
 Kashan
Province
 Isfahan
Postal code
 87159-81151
Approval date
 2017-06-13, 1396/03/23
Ethics committee reference number
 IR.KAUMS.REC.1396.33

Health conditions studied

1

Description of health condition studied
 End Stage Renal Disease
ICD-10 code
 N18.5
ICD-10 code description
 Chronic kidney disease, stage 5

Primary outcomes

1

Description
 Score of peritoneal dialysis knowledge test
Timepoint
 Before intervention and seven days after training intervention
Method of measurement
 The questionnaire of peritoneal dialysis knowledge

2

Description
 The score of attitude toward peritoneal dialysis questionnaire.
Timepoint
 Before intervention and seven days after training intervention
Method of measurement
 The questionnaire of peritoneal dialysis attitude

3

Description
 Intention to do the peritoneal dialysis
Timepoint
 Before intervention and seven days after training
Method of measurement
 asking the patient about the intention to do the peritoneal dialysis

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group (without any control group). The training program was presented individually for 60-75 minutes. for some of the patients the training program was presented in two sessions according to their physical condition or their hemodialysis condition. the training was presented in order to get awareness about peritoneal dialysis equipment such as catheter, set and peritoneal dialysis fluid along with its procedure and its advantages as well as providing videos and educational pamphlet

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Akhavan Hospital of Kashan

Full name of responsible person

Maliheh Salehi

Street address

No. 5, Sonbol Deadend, Shahid Abdollahi Alley, Emam Boulevard

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Kooshk

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malih.salehi1983@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kashan University of Medical Sciences

Full name of responsible person

Hamid Reza Banafsheh

Street address

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banafshe-h@kums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kashan University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Kashan University of Medical Sciences

Full name of responsible person

Mansoor Dianati

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street address

Nursing college, Kashan university of medical sciences, Ghotb Ravandi Blvd,

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Kashan University of Medical Sciences

Full name of responsible person

Maliheh Salehi

Position

M.A Student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for updating data

Contact

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Latest degree

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to
make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

All information

**When the data will become available and for how
long**

From January 1397

To whom data/document is available

All the researchers

Under which criteria data/document could be used

- Being the nursing student - Practitioner in dialysis unit

From where data/document is obtainable

Nursing college, Kashan university of medical sciences

**What processes are involved for a request to access
data/document**

Request by email- responding after sending request
during one month.

Comments