Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 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

Isfehan

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

City
Kooshk

Province
Isfehan

Postal code
8434136388

Phone
+98 31 3356 3371

Email
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
Kashan Medical Scineces University, Ghotb Ravandi Blvd

City
Kashan

Province
Isfehan

Postal code
87159-81151

Phone
+98 31 5554 4299

Fax
+98 31 5557 5057

Email
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,

City
Kashan

Province
Isfehan

Postal code
87159-81151

Phone
+98 31 5554 0021

Email
mandianati@yahoo.com

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

Street address

No. 5, Sonbol Deadway, Shahid Abdollahi Alley- Emam Square

City
Kooshk

Province
Isfehan

Postal code
8434136388

Phone
+98 31 3356 3371

Email
malih.salehi1983@gmail.com

Person responsible for updating data

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

Street address
No. 5, Sonbol Deadway, Shahid Abdolahi Alley- Emam Blvd.

City
Kooshk

Province
Isfehan

Postal code
8434136388

Phone
+98 31 3356 3371

Email
malih.salehi1983@gmail.com

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