Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Effect of slow stroke back massage on hemodialysis patient fatigue

Protocol summary

Summary

The purpose of this study is to determine the effect of back massage therapy by slow stroke procedure on Fatigue score in hemodilysis patients. This study is a randomized controlled trial. Participants will be 56 patients undergoing hemodilysis in Bou-Ali hospital in Ardebil. The main inclusion criteria is having medical record in Bou-Ali hospital in Ardebil and the main exclusion criteria is the fatigue score below 3 according to piper fatigue scale. First all the patients fill the fatigue scale. Then patients with fatigue score over 3, after giving conscious consent, will be divided into control or intervention group. Intervention group will receive massage therapy 3 days each week for 4 weeks. Control group will receive no specific intervention. 15 days and 4 weeks later, fatigue scale will be filled again by intervention group and 4 weeks later by control group. Fatigue scores will be compared between 2 groups and before and after intervention in each group.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201211046801N2**
Registration date: **2012-12-14, 1391/09/24**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2012-12-14, 1391/09/24

Registrant information

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Tabriz university of medical sciences and health services
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Tabriz university of medical sciences

Expected recruitment start date

2013-01-20, 1391/11/01

Expected recruitment end date

2013-02-19, 1391/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of slow stroke back massage on hemodialysis patient fatigue

Public title

Effect of massage therapy on hemodialysis patient fatigue

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Dialysis patient who have medical documentary in dialysis ward and experience hemodialysis at least 3 months. Exclusion criteria: Fatigue score below 3.

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked
No information
Sample size
Target sample size: **56**
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 ethics committee
Street address
nursing and midwifery faculty of Tabriz
City
Tabriz
Postal code
51745347
Approval date
2010-08-20, 1389/05/29
Ethics committee reference number
91123

Health conditions studied

1

Description of health condition studied
fatigue in hemodialysis patient
ICD-10 code
Z99.2
ICD-10 code description
Dependence on renal dialysis

Primary outcomes

1

Description
Fatigue score
Timepoint
Once before intervention and again 15 days and 4weeks after intervention
Method of measurement
According to piper fatigue scale

Secondary outcomes

empty

Intervention groups

1

Description
In this study intervention group will receive slow stroke back massage 3 days each week for 1 month and every time for 10 minutes in hours between 15-19
Category
Rehabilitation

2

Description
control group will not receive any intervention
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Bouali Hospital of Ardabil
Full name of responsible person
Mina Nahamin - Msn student of care
Street address
Bouali Hospital, Saheli street
City
Ardebil

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz University of medical sciences
Full name of responsible person
Dr Sakineh Mohammad Alizadeh
Street address
Nursing and Midwifery faculty, south Shariati S.
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

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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