

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

Effect of acupressure on blood pressure of hemodialysis patients

Protocol summary

Summary

Introduction: Chronic renal failure patient exposed to the problems and the many complications. Hemodialysis is one of the most common chronic renal failure control methods will be considered. The hypotension during hemodialysis is the most common serious complication of the procedure. This study aimed to impact blood pressure rate of acupressure on patients undergoing hemodialysis will be done. Materials and methods: The clinical study of 84 patients referred to hospitals in Mashhad dialysis method available in 3-groups, placebo and control groups will be selected, will be done. Data collection in 2 parts: demographic characteristics and blood pressure measurements help seekers is a check list. Data analysis with Mann-Whitney and Wilcoxon Signed Ranks test, using SPSS software version 21 at a significance level of $P < 0.05$ Will be done.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015012720836N1**

Registration date: **2015-02-22, 1393/12/03**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-02-22, 1393/12/03

Registrant information

Name

Mostafa Zamani

Name of organization / entity

Gonabad University of Medical Sciences

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Email address

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Recruitment status

Recruitment complete

Funding source

Vice President for research and technology, Gonabad University of Medical Sciences

Expected recruitment start date

2015-04-20, 1394/01/31

Expected recruitment end date

2015-08-22, 1394/05/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of acupressure on blood pressure of hemodialysis patients

Public title

Acupressure effect on blood pressure in hemodialysis patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: having at least the age of 15 years and a maximum of 85 years-a history of at least 2 months of dialysis and hemodialysis performed 2-3 times per week-the wish to participate in the implementation of the-Listening and speaking ability are accepted -having a half-sitting position - no history of muscle disease known. Exclusion criteria: any circumstances that create intervention for subjects during that continuation of the intervention are impossible, such as death, travel, etc. - you do not want to work.

Age

From **15 years** old to **85 years** old

Gender

Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **84**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Vice President for research and technology of the
Gonabad University of Medical Sciences

Street address

Gonabad University of Medical Sciences, Asian road
borders

City

Gonabad

Postal code

9691793718

Approval date

2014-06-25, 1393/04/04

Ethics committee reference number

GMU.REC.1393.43

Health conditions studied

1

Description of health condition studied

Chronic renal failure

ICD-10 code

N18

ICD-10 code description

Chronic renal failure

Primary outcomes

1

Description

Blood pressure

Timepoint

3-5 minutes before and 5 minutes after the intervention

Method of measurement

Using the standard pressure gauges

Secondary outcomes

empty

Intervention groups

1

Description

In the intervention group, the blood pressure of patients with conditions of participation in the plan is based on the inclusion criteria, with standard gauge pressure will measure. The acupuncture points that affect blood pressure, including the LI4, KID9, ST36, PC6, each for a period of 5 minutes in addition to conventional therapy, massage will be given. After 3-5 minutes of the patient's blood pressure intervention again with standard pressure gauge will measure.

Category

Other

2

Description

In the Group placebo, Sham points before the massage that was designated by the expert, The patient's blood pressure with the standard gauge pressure will measured then intervene for 5 minutes for each gate scheme in addition to the common method of spot treatment will be carried out. After 3-5 minutes the patient's blood pressure with the standard pressure gauge will measure.

Category

Placebo

3

Description

In the control group, patients with blood pressure manometer before the implementation of a common standard hospital treatment, will be measured. After 20 minutes, similar to other groups of blood pressure with a standard pressure gauge will be doing.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Dialysis Center al-Nabi

Full name of responsible person

Street address

The side of eastern Dannesh street, 17th Shahrivar st.

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice President for research and technology of
Gonabad University of Medical Sciences

Full name of responsible person

Dr Ali Mohammadpour

Street address

Gonabad University of Medical Sciences, Asian road
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Gonabad

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

Yes

Title of funding source

Vice President for research and technology of Gonabad
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**

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Full name of responsible person

Mostafa Zamani Bilondi

Position

Nursing Student

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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