

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

The effect of acupressure on SP6 and ST36 on the pain caused by fistula needle placement in hemodial

Protocol summary

Summary

The aim of this study was to evaluate the effect of acupressure on SP6 and ST36 on the pain associated with fistula needle placement in hemodialysis patients. for this clinical trial study, a total of 90 hemodialysis patients with venous artery fistula were selected and randomly divided into three groups of massage SP6 and ST36 and placebo massage. in the first three groups, the pain assessment form will be completed before dialysis and in the next step, hemodialysis in the pressure intervention groups at the points mentioned above and in the sham group will be intercepted at places other than the points of interest then the visual acuity scale of VAS pain will be completed and the pain score will be compared in all three groups. Inclusion criteria: Including age 15 and above; Having the ability to communicate verbal and auditory; the patient uses a catheter insertion method for hemodialysis; no signs of bruising at the site of the catheter placement; minimal reading and writing skills; no history of mental illness that disrupts the study. Exclusion criteria: Continuous use of analgesics 24 hours before hemodialysis; patient's unwillingness to continue the study and death of the patient. The main variable of this study is the pain that the effect of massage SP6 and ST36 points will be measured.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017102436747N1**

Registration date: **2017-11-14, 1396/08/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-11-14, 1396/08/23

Registrant information

Name

Rasool Solaimani Moghadam

Name of organization / entity

Birjand University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 5722 3028

Email address

rasool.solaimani@yahoo.com

Recruitment status

Recruitment complete

Funding source

Gonabad University of Medical Sciences

Expected recruitment start date

2015-04-21, 1394/02/01

Expected recruitment end date

2015-05-27, 1394/03/06

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of acupressure on SP6 and ST36 on the pain caused by fistula needle placement in hemodial

Public title

The effect of compression on pain intensity

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria: Including age 15 and above; having the ability to establish verbal and auditory communication; awareness of time, place, and persons during data collection; willing to participate in research; the patient uses a catheter insertion method for

hemodialysis Lack of signs of bruising at the site of the catheter insertion; non-smoker; at least literacy reading and writing; no history of mental illness that disrupts the study. Exclusion criteria:Continuous use of analgesics 24 hours before hemodialysis; patient's unwillingness to continue the study and death of the patient.

Age

From **15 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Gonabad University of Medical Sciences

Street address

Gonabad, Asian Roads, Gonabad University of Medical Sciences

City

Gonabad

Postal code

Approval date

2014-06-25, 1393/04/04

Ethics committee reference number

GMU.REC.1393.54

Health conditions studied

1

Description of health condition studied

Hemodialysis patients

ICD-10 code

z49.2

ICD-10 code description

Peritoneal dialysis

Primary outcomes

1

Description

pain caused by needle placement

Timepoint

Before intervention one hour after intervention

Method of measurement

Visual Scale of Pain

Secondary outcomes

1

Description

pain associated with needle

Timepoint

Before intervention one hour after intervention

Method of measurement

Visual Scale of Pain

Intervention groups

1

Description

Intervention group 2:In the intervention group patients for 3 minutes sp6 the pressure on both feet with deep breathing will receive. at first, a 2-minute pressure will come into play so that the research unit feels a pleasant pain it will be time to keep the nail color constant throughout the duration of the pressure, and the patient will be satisfied with the amount of pressure applied. then a minute of rest and a minute of pressure will apply so that the total pressure applied will reach 30 minutes. It takes an entire hour to complete this technique.

Category

Other

2

Description

Intervention group1(st36);In the intervention group patients for 3 minutes st36 the pressure on both feet with deep breathing will receive. at first, a 2-minute pressure will come into play so that the research unit feels a pleasant pain it will be time to keep the nail color constant throughout the duration of the pressure, and the patient will be satisfied with the amount of pressure applied. then a minute of rest and a minute of pressure will apply so that the total pressure applied will reach 30 minutes. It takes an entire hour to complete this technique. .

Category

Other

3

Description

Intervention group 3; And in the drug group, a point that does not affect the amount of pain will be massaged as

suggested by a traditional medicine specialist.it will receive pressure on both feet with deep breathing.t will receive pressure on both feet with deep breathing.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Qa'im Hospital and Hospital of 17 shahrivar

Full name of responsible person

Abolfazl Ghadimifar

Street address

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputy of Research of Gonabad University of Medical Sciences

Full name of responsible person

Dr. Ali Mohammadpour

Street address

Gonabad University of Medical Sciences, Next to the Asian Road, Gonabad

City

Gonabad

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Deputy of Research 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

Gonabad University of Medical Sciences

Full name of responsible person

Raouf Soleimani Moghaddam

Position

nursing expert

Other areas of specialty/work

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Person responsible for scientific inquiries

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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