# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

07 Nov 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**

Raooul Soleimani Moghaddam

**Position**

nursing expert

**Other areas of specialty/work**

**Street address**

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

**City**

Gonabad

**Postal code**

**Phone**

+98 51 5722 3028

**Fax**

**Email**

rasool.solaimani@yahoo.comhttp://www.gmu.ac.ir/info@gmu.ac.ir

**Web page address**

## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**

Gonabad University of Medical Sciences

**Full name of responsible person**

Raooul Soleimani Moghaddam

**Position**

nursing expert

**Other areas of specialty/work**

**Street address**

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

**City**

Gonabad

**Postal code**

**Phone**

+98 51 5722 3028

**Fax**

**Email**

info@gmu.ac.irhttp://www.gmu.ac.ir/rasool.solaimani@yahoo.com

**Web page address**

## Person responsible for updating data

**Contact**

**Name of organization / entity**

Gonabad University of Medical Sciences

**Full name of responsible person**

Rasool Solaimani Moghadam

**Position**

nursing expert

**Other areas of specialty/work**

**Street address**

**City**

**Postal code**

**Phone**

+98 51 5722 3028

**Fax**

**Email**

**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*