

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

17 Sep 2026

### Assessment of effects of foot-bath on anxiety and physiologic parameters of patients undergoing coronary angiography at Koosar hospital in Semnan

#### Protocol summary

##### Summary

The aim of this study is assessment of effects of foot-bath on anxiety and physiologic parameters of patients undergoing coronary angiography in Koosar hospital of Semnan. Inclusion criteria include admission for coronary angiography for the first time, having literacy above the sixth grade and hemodynamic stability. Exclusion criteria include history of drug abuse, history of psychiatric disorders, previous use of Foot-bath device, ulceration and contagious skin diseases in the lower extremities and dangerous arrhythmias during the intervention. The study population are patients referred for coronary angiography and the samples consist of 92 patients that assigned in two intervention and control group randomly. Intervention group at first complete Spielberger anxiety scale and physiologic parameters were be taken with same instruments. Then foot -bath with Foot-bath device is done for 10 minutes. Then patients complete the Spielberger anxiety scale and physiological parameters will be checked and recorded again. Control group at first complete Spielberger Anxiety Scale and physiological parameters were be taken with same instruments. Then they rest in bed for 10 minutes and finally complete the Spielberger anxiety scale and physiological parameters will be checked and recorded again. The primary outcome of this study is patient anxiety and secondary outcomes are blood pressure, pulse rate and o2 saturation.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014072118550N1**

Registration date: **2014-09-29, 1393/07/07**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2014-09-29, 1393/07/07

##### Registrant information

###### Name

Nayyereh Raiesdana

###### Name of organization / entity

Semnan University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 23 3345 3867

###### Email address

nr\_dana@semums.ac.ir

##### Recruitment status

###### Recruitment complete

##### Funding source

Chancellor for research of Semnan University of Medical Sciences

##### Expected recruitment start date

2014-11-07, 1393/08/16

##### Expected recruitment end date

2015-07-07, 1394/04/16

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Assessment of effects of foot-bath on anxiety and physiologic parameters of patients undergoing coronary angiography at Koosar hospital in Semnan

##### Public title

Effect of foot-bath on anxiety

**Purpose**  
Supportive

**Inclusion/Exclusion criteria**  
Inclusion criteria: Admission for coronary intervention for the first time, Having full consciousness and awareness of time and place, Having literacy level above 6 grade of Hemodynamic stability, Receiving the last dose of the drug 4 hour before completing questionnaire and receiving sedatives the night before the day of angiography , Willingness to participate in research, exclusion criteria: Narcotic addiction, Having previously known mental disorder, History of using foot bath instrument, Interrupting or non complete intervention (due to patient noncompliance or dangerous Cardiac arrhythmia), Having cancer, lupus, skin diseases, ulcers in the intervention site (the middle leg to the tip of the toes) , Having a contagious skin disease in the lower limbs Patients is relatives or acquaintances of medical personnel

**Age**  
No age limit

**Gender**  
Both

**Phase**  
N/A

**Groups that have been masked**  
*No information*

**Sample size**  
Target sample size: 92

**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

Ethics committee of Semnan University of Medical Sciences

##### Street address

Chancellor for research of Semnan University of Medical Sciences, Boulevard Jahad, Semnan,Iran

##### City

Semnan

##### Postal code

38118-35131

#### Approval date

2014-08-30, 1393/06/08  
**Ethics committee reference number**  
93/490113

## Health conditions studied

### 1

#### Description of health condition studied

Coronary artery angiography

#### ICD-10 code

I79 ,I78,

#### ICD-10 code description

Disorders of arteries, arterioles and capillaries in diseases classified elsewhere

## Primary outcomes

### 1

#### Description

Anxiety

#### Timepoint

Before intervention, immediately after intervention and 30 minute after intervention

#### Method of measurement

with using standard Spielberger Anxiety Scale

## Secondary outcomes

### 1

#### Description

Physiological parameter

#### Timepoint

before intervention, immediately after intervention and 30 minutes after intervention

#### Method of measurement

Tympanic thermometer, Digital sphygmomanometer, Pulse-oximeter and counting respiratory rate

## Intervention groups

### 1

#### Description

"Intervension group: Putting two foot of patients for 10 minutes in Foot-bath device"

#### Category

Other

### 2

#### Description

"Control group: Do not recieve any intervention"

#### Category

Other

## Recruitment centers

1

#### Recruitment center

**Name of recruitment center**

Koosar Hospital of Semnan

**Full name of responsible person**

Nayyereh Raiesdana

**Street address**

Faculty of Nursing and Allied Health, Semnan  
University of Medical Sciences, 5th kilometer of  
Damghan road, Semnan, Iran

**City**

Semnan

Damghan road, Semnan, Iran

**City**

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**Postal code**

35131-38111

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+98 23 3365 4190

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**Email**

nr\_dana@semums.ac.ir; nr\_dana@yahoo.com

**Web page address**

## Sponsors / Funding sources

1

#### Sponsor

**Name of organization / entity**

Chancellor for research of Semnan University of  
Medical Sciences

**Full name of responsible person**

Dr Ali Rashidipoor

**Street address**

Chancellor for research of Semnan University of  
Medical Sciences, Boulevard Jahad, Semnan, Iran

**City**

Semnan

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Chancellor for research of Semnan 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**

Semnan University of Medical Sciences

**Full name of responsible person**

Nayyereh Raiesdana

**Position**

Phd-Assistant professor

**Other areas of specialty/work**

**Street address**

Faculty of Nursing and Allied Health, Semnan  
University of Medical sciences, 5th kilometer of

## Person responsible for scientific inquiries

#### Contact

**Name of organization / entity**

Faculty of Nursing and Allied Health, Semnan  
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Phd

**Other areas of specialty/work**

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## Person responsible for updating data

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Phd-Assistant professor

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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*