

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Sertraline effect on hypotension during hemodialysis

Protocol summary

Summary

The aim of present study is to evaluate the sertraline effect on hypotension during hemodialysis. In a single center clinical trial study, 30 patients with hypotension during hemodialysis who referred to Imam Reza Hospital of Tabriz University of Medical Sciences will select. This study will be done in a single group, due to low number of available patients. Systolic blood pressure, diastolic blood pressure, heart rate, and mean arterial pressure of patients will record before intervention during hemodialysis. Patients will receive 50 mg sertraline daily for two weeks. Systolic blood pressure, diastolic blood pressure, heart rate, and mean arterial pressure of patients will record again during hemodialysis. Systolic blood pressure changes, diastolic blood pressure changes, heart rate changes, and mean arterial pressure changes are as primary variables and side effects are as secondary variables.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201604273742N4**

Registration date: **2016-09-09, 1395/06/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-09-09, 1395/06/19

Registrant information

Name

Hamid Noshad

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1541 5023

Email address

noshadh@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Tabriz University of Medical Sciences.

Expected recruitment start date

2016-05-21, 1395/03/01

Expected recruitment end date

2016-06-20, 1395/03/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Sertraline effect on hypotension during hemodialysis

Public title

Sertraline effect on hypotension during hemodialysis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age between 18 to 75 years old; resistant hypotension during hemodialysis; no specific reason for resistant hypotension; informed consent to participate in the study. Exclusion criteria: use of any selective serotonin reuptake inhibitors.

Age

From **18 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

N/A

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Single

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Tabriz University of Medical Sciences.

Street address

Tabriz University of Medical Sciences, Daneshgah
Street, Tabriz, Eastern Azerbaijan, Iran.

City

Tabriz

Postal code**Approval date**

2015-11-23, 1394/09/02

Ethics committee reference number

TBZMED.REC.1394.855

Health conditions studied**1****Description of health condition studied**

Hemodialysis

ICD-10 code

Z99.2

ICD-10 code description

Dependence on renal dialysis

Primary outcomes**1****Description**

Systolic blood pressure

Timepoint

Beginning of study, two weeks later.

Method of measurement

Measuring blood pressure

2**Description**

Diastolic blood pressure

Timepoint

Beginning of study, two weeks later.

Method of measurement

Measuring blood pressure

3**Description**

Heart rate

Timepoint

Beginning of study, two weeks later.

Method of measurement

clinical examination

4**Description**

Mean arterial pressure

Timepoint

Beginning of study, two weeks later.

Method of measurement

Measuring blood pressure

Secondary outcomes**1****Description**

Adverse effects

Timepoint

Two weeks later

Method of measurement

Patient follow up

Intervention groups**1****Description**

This study will be done in a single group, due to low number of available patients. Systolic blood pressure, diastolic blood pressure, heart rate, and mean arterial pressure of patients will record before intervention during hemodialysis. Patients will receive 50 mg sertraline daily for two weeks. Systolic blood pressure, diastolic blood pressure, heart rate, and mean arterial pressure of patients will record again during hemodialysis.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Imam-Reza Hospital

Full name of responsible person

Dr Hamid Noshad

Street address

Imam-Reza Hospital of Tabriz University of Medical

Sciences, Daneshgah Street, Tabriz, Eastern
Azerbaijan, Iran.

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Tabriz University of
Medical Sciences.

Full name of responsible person

Dr Hasan Soleimanpour

Street address

Deputy of Research and Technology, Central Building
of Number Two, Tabriz University of Medical Sciences,
Daneshgah Street, Tabriz.

City

Tabriz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, 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

Contact

Name of organization / entity

Tabriz University of Medical Sciences.

Full name of responsible person

Dr Hamid Noshad

Position

Subspecialty Nephrology

Other areas of specialty/work

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Dr Reza Ghorbani

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Assistant of Internal Medicine

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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