

Clinical Trial Protocol

Iranian Registry of Clinical Trials

06 Jul 2026

Arteriovenous patency rate comparison between local anesthesia and axillary block at first day and 30th day after surgery

Protocol summary

Summary

Arteriovenous patency rate comparison between local anesthesia and axillary The comparison between Arteriovenous fistula patency rate in local anesthesia and axillary block anesthesia at first day and 30th day post fistula creation. Sixty patient will be randomly divided into two groups. In the first group, local anesthesia and in the second group axillary block will be performed before the operation. Patency rate will be compared at the first and 30th day. The patency rate is defined as appropriate blood flow(250-300 cc) within fistula which is required for effective hemodialysis. lidocaine 1% will be used for local anesthesia in antecubital area; and in axillary block lidocaine 1% is injected in the line of upper extremity in axillary area.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016080329181N1**

Registration date: **2016-10-09, 1395/07/18**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-10-09, 1395/07/18

Registrant information

Name

Nasser Malekpour Alamdari

Name of organization / entity

Shaid Behesht University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2207 4089

Email address

nassermalekpour@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Deputy of research in Shahid Modaress Hospita, Shaid Behesht University of Medical Sciences

Expected recruitment start date

2016-08-22, 1395/06/01

Expected recruitment end date

2016-10-22, 1395/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Arteriovenous patency rate comparison between local anesthesia and axillary block at first day and 30th day after surgery

Public title

Arteriovenous patency rate comparison between local anesthesia and axillary block at first day and 30th day after surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: Patients with end stage Failure who are candidate for arteriovenous fistula; Patients with end stage Failure who require haemodialysis ; Non diabetic patients with End Stage Renal Failure. Exclusion Criteria: Non desirable artery or vessel to maintain fistula; insufficient anesthesia after axillary block; Allergic reaction to local anesthetic; Past surgical history in selected organ.

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked*No information***Sample size**Target sample size: **60****Randomization (investigator's opinion)**

Randomized

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

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Shahid Beheshti University of Medical Sciences

Street addressShahid Arabi Avenue, Velenjak, Shahid Beheshti
University of medical Science**City**

Tehran

Postal code**Approval date**

2016-07-22, 1395/05/01

Ethics committee reference number

IT.SBMU.RETECH.REC.1395.277

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

End Stage Renal Disease

ICD-10 code

N18.5

ICD-10 code description

Chronic kidney disease

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

Patency Rate

Timepoint

First and thirty

Method of measurement

Physical Examination and doppler sonography

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

Blood Flow in fistula at first day

Timepoint

First day

Method of measurement

Doppler sonography

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

Control: Local Anesthesia

Category

Treatment - Drugs

2**Description**

Intervention: Axillary Block

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**Shahid University of Medical Science, Shahid Modares
Hospital**Full name of responsible person**

Naser Malekpor

Street address

Shahid Modares Hospital, Fraz Street, Saadat Abad.

City

Tehran

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Shahid University of Medical Sciences.

Full name of responsible person

Nilofar Massoudi

Street addressShahid University of Medical Sciences, Aarabi
Street, Velenjak.**City**

Tehran

Grant name**Grant code / Reference number**

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

Yes

Title of funding source

Shahid 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**

Shahid Behesht University of Medical Science

Full name of responsible person

Nasser Malekpor

Position

Vascular surgeon Fellowship

Other areas of specialty/work**Street address**

Shahid Behesht University of Medical Sciences,Arabi street,Velenjak.

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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