

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

A Clinical trial for comparison between side effects of subclavian and jugular vein catheters in hemodialysis patients of hemodialysis ward of Immam Hossein hospital on first half of 2011

Protocol summary

Summary

The aim of this research is recognition of subclavian and jugular catheters side effects in hemodialysis patients of Immam Hossein hospital. In this research patients divided into two groups with randomized division (case group subclavian catheter and control group jugular catheter). Inclusion criteria: All hemodialysis patients that need venous catheter without anesthesia contraindication. Exclusion criteria: All patients with anesthesia contraindication. Our sample size was 180 cases and the main outcomes for measurement, were hemothorax, pneumothorax, infections and the duration of operation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138810142954N2**
Registration date: **2011-04-20, 1390/01/31**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-04-20, 1390/01/31

Registrant information

Name

Mohammad Bagher Sohrabi

Name of organization / entity

Shahroud University of Medical Sciences and Health

Country

Iran (Islamic Republic of)

Phone

+98 23 3239 5054

Email address

mb.sohrabi@shmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Shahroud University of Medical sciences

Expected recruitment start date

2011-03-21, 1390/01/01

Expected recruitment end date

2011-09-21, 1390/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A Clinical trial for comparison between side effects of subclavian and jugular vein catheters in hemodialysis patients of hemodialysis ward of Immam Hossein hospital on first half of 2011

Public title

comparison of subclavian and jugular vein catheters Side effects

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: All hemodialysis patients that need venous catheter with out anesthesia contraindication.
Exclusion criteria: The patients with anesthesia contraindication.

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 180

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 Shahroud University of Medical Sciences and Health

Street address

7 Tir SQ of Shahroud .Chancellor for research of Shahroud University of Medical Sciences and Health of Shahroud

City

Shahroud

Postal code

3614773955

Approval date

2011-02-05, 1389/11/16

Ethics committee reference number

95/880

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

Evaluation of side effects of subclavian and jugular vein cateters

ICD-10 code

S25.1

ICD-10 code description

Injury of innominate or subclavian artery

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

Evaluation of infection

Timepoint

First day,third days and one week , two week and three week after surgery.

Method of measurement

Patient examination

2**Description**

Evaluation of hemothorax

Timepoint

First and 6 hours and after day after surgery

Method of measurement

Patient examination

3**Description**

Evaluation of pneumothorax

Timepoint

First and 6 hours and after day after surgery

Method of measurement

Patient examination

4**Description**

Evaluation of frequency surgery.

Timepoint

Prion time of surgery

Method of measurement

Time measurement at surgery

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

Permanent prion of subclavian and jugular cateters

Timepoint

Befor intervention , 2 months, 4 months and 6 months after surgery

Method of measurement

Patient examination

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

Intervention group :Subclavian cathater prepare with estandard(ACS) method.Our needle(N.22) is induced 2 cm below the mid clavicular line toward the supra sternal notch.We push the needle with suction and after aspiration of venous blood, put the guide wire and the fix the cathater.

Category

Treatment - Surgery

2**Description**

Control group :Jugular cathater prepare with standard (ACS)method.We put the needle (N.22)just at the top of the triangular of SCM muscles head that stuck to

clavicle and then push it with suction and immediately after aspiration of venous blood. We put the guide wire and fix the catheter.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Hossein hospital

Full name of responsible person

Dr.Mohammad Bagher Sohrabi

Street address

Imam Hossein hospital of Shahroud, The end of Imam Street, Shahroud

City

Shahroud

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Chancellor for research of Shahroud University of Medical Sciences and Health

Full name of responsible person

Ahmad Khosravi

Street address

7 Tir SQ , Shahroud .Chancellor for research of Shahroud University of Medical Sciences and Health of Shahroud

City

Shahroud

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 Shahroud University of Medical Sciences and Health

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

Shahroud University of Medical Sciences and Health

Full name of responsible person

Dr.Mohammad Bagher Sohrabi

Position

General Practitioner/Training director

Other areas of specialty/work

Street address

Education ward of Imam Hossein hospital of Shahroud, The end of street of Shahroud

City

Shahroud

Postal code

3616911151

Phone

+98 27 3334 2000

Fax

+98 27 3333 3902

Email

mb.sohrabi@shmu.ac.ir ; mb.sohrabi@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shahroud University of Medical Sciences and Health

Full name of responsible person

Dr.Mohammad Reza Abdoulhosseini

Position

General Surgeon/Assistant Professor

Other areas of specialty/work

Street address

Surgery ward of Imam Hossein hospital , The end of Imam street of Shahroud

City

Shahroud

Postal code

3616911151

Phone

+98 27 3334 2000

Fax

+98 27 3333 3902

Email

mra_75@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Imam Hossein hospital

Full name of responsible person

Dr. Mohammad Bagher Sohrabi

Position

General Practitioner

Other areas of specialty/work

Street address

Education ward of Imam Hossein hospital of Shahroud, The end of Imam street of Shahroud

City

Shahroud

Postal code

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Phone

+98 27 3334 2000

Fax

+98 27 3333 3902

Email

mb.sohrabi@shmu.ac.ir ; mb.sohrabi@yahoo.com

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