

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

Effect of vasopressin and norepinephrine on Renal function of patients undergoing CABG in Emam Khomeini hospital of Ardabil

Protocol summary

2015-02-14, 1393/11/25

Summary

Aim & design: One of the most common heart CABG surgery, the blood vessels in other parts of the body such as the saphenous vein is grafted to the occluded artery, thereby blocking the path disappears. Given the prevalence of the use of inotropic drugs during CABG surgery and renal effects of these drugs in long-term use of low-risk choices necessity, if you have less vasopressin renal complications can be used as a drug of choice inotropic. Hence, we decided to study the effect of vasopressin to reduce bleeding and to maintain renal perfusion and prevent renal dysfunction in patients undergoing CABG surgery compared with norepinephrine, which is used to improve the overall survival of these patient. Inclusion criteria: The criteria for inclusion of participants were age 30 and more, had been diagnosed by angiography, and absence of mental problems. Exclusion criteria: Patients who had had chronic renal failure and creatinin more than 1.5, were excluded. Interventions: Vasopressin in 0.01-0.04 U/min when mean arterial pressure 50 mmHg and Norepinephrin in 1-4 μ /min when mean arterial pressure 50 mmHg Out comes: Blood urine nitrogen Before intervention, after intervention and Creatinin Before intervention, after intervention

Registrant information

Name

Nasrin Samadi

Name of organization / entity

Ardabil University of Medical Sciences

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Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Ardabil University of Medical Sciences

Expected recruitment start date

2015-01-10, 1393/10/20

Expected recruitment end date

2015-06-20, 1394/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of vasopressin and norepinephrine on Renal function of patients undergoing CABG in Emam Khomeini hospital of Ardabil

Public title

Effect of vasopressin and norepinephrine on Renal function of patients undergoing CABG in Emam Khomeini hospital of Ardabil

Purpose

Treatment

Inclusion/Exclusion criteria

General information

Acronym

Open Heart surgery

IRCT registration information

IRCT registration number: **IRCT201412054256N4**

Registration date: **2015-02-14, 1393/11/25**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

Inclusion criteria: age 30 years old and more; IHD had been diagnosed by angiography, and absence of mental problems. Exclusion criteria: patients who, had had chronic renal failure and creatinin more than 1.5 were excluded.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **120**

Randomization (investigator's opinion)

Randomized

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

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Ardabil university of medical sciences

Street address

Ardabil university of medical sciences

City

Ardabil

Postal code**Approval date**

2014-07-27, 1393/05/05

Ethics committee reference number

9114

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

Open heart surgery

ICD-10 code

I20-25

ICD-10 code description

Ischaemic heart diseases

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

Blood urine nitrogen

Timepoint

Before intervention, after intervention

Method of measurement

Biochemical blood test, urine volume in 24 hours

2**Description**

Creatinin

Timepoint

Before intervention, after intervention

Method of measurement

Biochemical blood test, urine volume in 24 hours

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

In crease creatinin, decese clearance creatinin

Timepoint

Before,24 hours after intervention

Method of measurement

Biochemical blood test, urine volume in 24 hours

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

Vassopressin 0.01-0.04 u/min in artery pressure below 50 mm/Hg

Category

Treatment - Drugs

2**Description**

control: Norepinephrine 1-4 u/min in artery pressure below 50 mm Hg

Category

Treatment - Drugs

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

Emam khomeini hospital of Ardabil

Full name of responsible person

Mohammadi Hassan pour

Street address

sh jedi st, Ardabil,Iran

City

Ardabil

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ardabil University of Medical Sciences

Full name of responsible person

Shahram Habib zadeh

Street address

Ardabil

City

Ardabil

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Ardabil 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

Ardabil university of medical sciences

Full name of responsible person

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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