

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Evaluation of Ascorbic Acid Effect in Prevention of Contrast Induced Nephropathy in Diabetic patients

Protocol summary

Summary

the purpose of this study is to evaluate the effect of ascorbic acid in the prevention of contrast induced nephropathy. in This study is involved in a clinical trial on 90 Diabetic patients in which coronary catheterization has taken. The patients were divided randomly into two groups: control group and treatment group. Treatment group given the vitamin C received a 2gram loading dose 2 hours before the intervention and control group was given 2 grams of the Placebo. The Glomerular filtration rate ,Blood Urea Nitrogen,Creatinin was measured before and was compared with each other after 2-3 days.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013012712293N1**

Registration date: **2013-05-17, 1392/02/27**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-05-17, 1392/02/27

Registrant information

Name

Roya Daryacheey

Name of organization / entity

Yazd University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 35 1724 0172

Email address

drnough@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahid Sadughi University of Medical Science

Expected recruitment start date

2012-04-20, 1391/02/01

Expected recruitment end date

2012-06-18, 1391/03/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of Ascorbic Acid Effect in Prevention of Contrast Induced Nephropathy in Diabetic patients

Public title

Effect of Ascorbic Acid in Prevention of Contrast Induced nephropathy

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: All diabetic patients who are candidates for cardiac catheterization. Exclusion criteria: 1- patients whit contrast dye used during the last 5 days; 2- Patients who used vitamin C during the last week; 3- Patients who have received N-Acetyl Cysteine (NAC), dopamine, mannitol and theophylline.

Age

From **59 years** old to **77 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Randomized

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

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

yazd shahid sadughy university of medical science

Street address

yazd.bahonar square

City

yazd

Postal code

8917945556

Approval date

2013-03-06, 1391/12/16

Ethics committee reference number

17/1/180770/پ

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

DIABETES MELITUS

ICD-10 code

E10.2

ICD-10 code description

insulin-dependent diabetes melitus with renal complications

2**Description of health condition studied**

DIABETES MELITUS

ICD-10 code

E11.2

ICD-10 code description

non-insulin-dependent diabetes melitus with renal complications

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

BUN;

Timepoint

before and three days after intervention

Method of measurement

by hematology analysis and mg/dl

2**Description**

reatinine

Timepoint

before and 2-3 days after intervention

Method of measurement

by hemathology analysis and mg/dl

Secondary outcomes

empty

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

case group used 2gr oral VITC before catheterizaation and was measured BUN;Cr;GFR;before and 2-3 days after catheterization.

Category

Treatment - Drugs

2**Description**

control group taked 2gr placebo before catheterisation and measured BUN,Cr,GFR before and 2-3 days after catheterisation

Category

Placebo

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

afshar hospital

Full name of responsible person

dr.roya daryacheey

Street address

yazd_afshar hospital

City

yazd

2**Recruitment center****Name of recruitment center**

seiiedoshohada hospital

Full name of responsible person

dr.roya daryacheey

Street address

yazd_emam khomeini street

City

yazd

3

Recruitment center

Name of recruitment center

shahid sadughy hospital

Full name of responsible person

dr.roya daryacheey

Street address

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City

yazd

4

Recruitment center

Name of recruitment center

afshar hospital

Full name of responsible person

Dr.Daryacheie

Street address

Yazd,gomhury avenue

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5

Recruitment center

Name of recruitment center

shahid sadughi hospital

Full name of responsible person

Dr.Daryacheie

Street address

yazd,safaeieh

City

yazd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Sadughy University Medical Sience

Full name of responsible person

dr.leila hadiani

Street address

yazd,bahonar square

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yazd

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shahid Sadughy University Medical Sience

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 Sadooghi University of Medical Sciences, Yazd,
Iran

Full name of responsible person

dr.leila hadiani

Position

general medicine

Other areas of specialty/work

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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