

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

Effect of isotonic fluid and water intake on the thirst, nausea and vomiting in patients undergoing CABG surgery

Protocol summary

Summary

This random study was done to compare the effect of nursing interventions on reducing the severity of thirst, nausea and Occurrence or Non-occurrence Vomit after coronary artery bypass in cardiac surgery ICU departments. The sample volume will be 78 people. In this study, age group 45-85 years old will be studied. The patients will be randomly divided into two groups of case and control. The test group is allowed to use isotonic fluids and the control group is allowed to use water, then 1 hour after the extubation up to 8 hours later. Data is collected through demographic questionnaire, and NRS scale is used to evaluate thirst and nausea severity, and Occurrence or Non-occurrence Vomit. The questionnaire is completed based on patients' statements and direct observations. Variables of first outcome evaluated in this research include severity of thirst, nausea and Occurrence or Non-occurrence Vomit

Iran (Islamic Republic of)

Phone

+98 35 1824 1755

Email address

nasiriani@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Yazd University of Medical Sciences

Expected recruitment start date

2016-07-22, 1395/05/01

Expected recruitment end date

2017-08-24, 1396/06/02

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017082116870N4**

Registration date: **2017-09-11, 1396/06/20**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-09-11, 1396/06/20

Registrant information

Name

Khadije Nasiriani

Name of organization / entity

Yazd Shahid Sadoughi University Of Medical Sciences

Country

Scientific title

Effect of isotonic fluid and water intake on the thirst, nausea and vomiting in patients undergoing CABG surgery

Public title

Effect of isotonic fluid and water intake on the thirst, nausea and vomiting in patients undergoing CABG surgery

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Patients have undergone a coronary artery bypass grafting with a pulmonary pump; In middle aged people (between 45 and 85 years old) and in both sexes can be studied; The patient has informed consent to enter the study. Exit criteria for the affected units: There are nausea and vomiting before using fluids, received anti-nausea drugs, received fluids through NGT.

Age

From **45 years** old to **85 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **78**

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 Yazd University of Medical Sciences

Street address

School of Nursing & Midwifery, Buali street, Safaieh, Yazd

City

Yazd

Postal code

00983518241755

Approval date

2016-07-16, 1395/04/26

Ethics committee reference number

IR.SSU.MEDICINE.REC.1395.117

Health conditions studied

1

Description of health condition studied

Thirst

ICD-10 code

T73.1 Effe

ICD-10 code description

T73.1

Primary outcomes

1

Description

Thirst severity

Timepoint

Every 1 hour to 8 hours after extubation

Method of measurement

Numeric Rating Scale

Secondary outcomes

1

Description

Nausea severity

Timepoint

Every 1 hour to 8 hours after extubation

Method of measurement

Numeric Rating Scale

2

Description

Occurrence or Non-occurrence Vomit

Timepoint

Every 1 hour to 8 hours after extubation

Method of measurement

Researcher Direct Observations

Intervention groups

1

Description

The intervention group 1 (test group): is allowed to use isotonic fluids then 1 hour after extubation up to 8 hours after it.

Category

Other

2

Description

Intervention group 2 (control group): allowed to use water then 1 hour after extubation up to 8 hours after it

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Semnan University of Medical Sciences The Kosar Hospital of Semnan

Full name of responsible person

Malihe Ghazvini

Street address

Semnan - amin Avenue- Kosar Hospital

City

Semnan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

International College of Yazd Campus

Full name of responsible person

Finance

Street address

School of Nursing & Midwifery, Buali street, Safaieh,
Yazd

City

Yazd

Grant name

Grant code / Reference number

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

Yes

Title of funding source

International College of Yazd Campus

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

Yazd University of Medical Sciences

Full name of responsible person

khadijeh Nasiriani

Position

Nursing PhD

Other areas of specialty/work

Street address

School of Nursing Midwifery, Buali street, Safaieh,
Yazd

City

Yazd

Postal code

Phone

+98 35 1824 1755

Fax

Email

nasiriani@gmail.com

Web page address

nasiriani@ssu.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

kamran ghods

Position

Cardiovascular Surgeon

Other areas of specialty/work

Street address

Semnan – Amin Avenue- Kosar Hospital

City

Semnan

Postal code

Phone

+98 23 3142 2111

Fax

Email

kamran1230@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

Malihe ghazvini

Position

Master of Science in Nursing/ Nurse

Other areas of specialty/work

Street address

Semnan – amin Avenue- Kosar Hospital

City

Semnan

Postal code

Phone

+98 23 3142 2111

Fax

Email

malihe_ghazvini@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