

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

11 Jun 2026

### Comparison the effect of natural gum, water spray and wet gauze on patients thirsty after coronary artery bypass graft surgery.

#### Protocol summary

##### Study aim

Comparison the effect of natural gum, water spray and wet gauze on patients thirsty after coronary artery bypass graft surgery

##### Design

Randomized clinical trial with three groups and parallel group

##### Settings and conduct

The present study is a randomized clinical trial on 120 patients after coronary artery bypass graft surgery in Farshchian Hospital of Hamadan. In this study, in the intervention groups, three methods of natural gum, water spray and wet gases will be compared to reduce thirst.

##### Participants/Inclusion and exclusion criteria

Inclusion criteria: Patients are alert and NPO, Thirst expressed by patients undergoing coronary artery bypass graft surgery. Exclusion criteria: Unwillingness to continue cooperation, Patient death

##### Intervention groups

Intervention group1: Natural gum is placed in the patient's mouth and they are asked to keep it in their mouths as much as possible. After 15 minutes, a new gum is given to the same size, and the patient is asked to keep it in his mouth for 15 minutes. Intervention group2: Water spray dispersed twice in 15 minutes directly into the mouth to wet the surface of the tongue and mucus. Intervention group3: Twice wet gauze will be placed directly on the surfaces of both lips for 15 minutes.

##### Main outcome variables

Thirst severity

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20160110025929N19**

Registration date: **2018-12-24, 1397/10/03**

Registration timing: **registered\_while\_recruiting**

Last update: **2018-12-24, 1397/10/03**

Update count: **0**

##### Registration date

2018-12-24, 1397/10/03

##### Registrant information

###### Name

Mehdi Molavi Vardanjani

###### Name of organization / entity

###### Country

Iran (Islamic Republic of)

###### Phone

+98 81 3422 5056

###### Email address

m.molavi@umsha.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2018-12-22, 1397/10/01

##### Expected recruitment end date

2019-12-22, 1398/10/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison the effect of natural gum, water spray and wet gauze on patients thirsty after coronary artery bypass graft surgery.

##### Public title

Comparison the effect of natural gum, water spray and

wet gauze on patients thirsty

## Purpose

Health service research

## Inclusion/Exclusion criteria

### Inclusion criteria:

Thirst expressed by patients undergoing Coronary artery bypass graft surgery Patients are alert and NPO.

### Exclusion criteria:

Patient death Unwillingness to continue cooperation

## Age

No age limit

## Gender

Both

## Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 120

## Randomization (investigator's opinion)

Randomized

## Randomization description

In the present study, the patients were registered according to the sample size (120) according to the entry criteria, and using the blocking method (using a three-block method, three letters A, B and C with different permutations we place blocks in blocks and randomly select 46 blocks and assign each block to 3 people) will be assigned to three groups.

## 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 Hamadan University of Medical Sciences

##### Street address

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

##### City

Hamadan

##### Province

Hamadan

##### Postal code

38698-65178

#### Approval date

2018-10-13, 1397/07/21

#### Ethics committee reference number

IR.UMSHA.REC.1397.490

## Health conditions studied

### 1

#### Description of health condition studied

Coronary artery disease

#### ICD-10 code

I25.0

#### ICD-10 code description

Atherosclerotic cardiovascular disease, so described

## Primary outcomes

### 1

#### Description

The intensity of thirst

#### Timepoint

After intervention

#### Method of measurement

Visula Analog Scale( VAS)

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Intervention group1: Natural gum is placed in the patient's mouth and they are asked to keep it in their mouths as much as possible. After 15 minutes, a new gum is given to the same size, and the patient is asked to keep it in his mouth for 15 minutes

#### Category

Other

### 2

#### Description

Intervention group2: Water spray dispersed twice in 15 minutes directly into the mouth to wet the surface of the tongue and mucus.

#### Category

Other

### 3

#### Description

Intervention group3: Twice wet gauze will be placed directly on the surfaces of both lips for 15 minutes

#### Category

Other

## Recruitment centers

## 1

### Recruitment center

**Name of recruitment center**

Farshchian hospital

**Full name of responsible person**

Mahnaz Khatiban

**Street address**

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

**City**

Hamadan

**Province**

Hamadan

**Postal code**

38698-65178

**Phone**

+98 81 3838 0535

**Email**

mahnaz.khatiban@gmail.com

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Hamedan University of Medical Sciences

**Full name of responsible person**

Saeed Bashirian

**Street address**

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

**City**

Hamadan

**Province**

Hamadan

**Postal code**

38698-65178

**Phone**

+98 81 3838 0535

**Email**

s-bashirian@umsha.ac.ir

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

No

**Title of funding source**

Deputy of research and technology

**Proportion provided by this source**

100

**Public or private sector**

Public

**Domestic or foreign origin**

Domestic

**Category of foreign source of funding**

empty

**Country of origin****Type of organization providing the funding**

Academic

## Person responsible for general inquiries

### Contact

**Name of organization / entity**

Hamedan University of Medical Sciences

**Full name of responsible person**

Mahnaz Khatiban

**Position**

Associate professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Nursery

**Street address**

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

**City**

Hamadan

**Province**

Hamadan

**Postal code**

38698-65178

**Phone**

+98 81 3838 0535

**Email**

mahnaz.khatiban@gmail.com

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Hamedan University of Medical Sciences

**Full name of responsible person**

Mahnaz Khatiban

**Position**

Associate professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Nursery

**Street address**

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

**City**

Hamadan

**Province**

Hamadan

**Postal code**

38698-65178

**Phone**

+98 81 3838 0535

**Email**

mahnaz.khatiban@gmail.com

## Person responsible for updating data

### Contact

**Name of organization / entity**

Hamedan University of Medical Sciences

**Full name of responsible person**

Alireza Nouri Gholamizadeh

**Position**

Student

**Latest degree**

Bachelor

**Other areas of specialty/work**

Nursery

**Street address**

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

**City**

Hamadan

**Province**

Hamadan

**Postal code**

38698-65178

**Phone**

+98 81 3838 0535

**Email**

alirez.nouri10@gmail.com

**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

**Study Protocol**

Undecided - It is not yet known if there will be a plan to make this available

**Statistical Analysis Plan**

Undecided - It is not yet known if there will be a plan to make this available

**Informed Consent Form**

Undecided - It is not yet known if there will be a plan to make this available

**Clinical Study Report**

Undecided - It is not yet known if there will be a plan to make this available

**Analytic Code**

Undecided - It is not yet known if there will be a plan to make this available

**Data Dictionary**

Undecided - It is not yet known if there will be a plan to make this available