

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jul 2026

### Comparison Of The Effect Of Mint And Cumin Extract On The Severity Of Flatulence In Patients After Coronary Artery Bypass Graft

#### Protocol summary

##### Study aim

Comparison Of The Effect Of Mint And Cumin Extract On The Severity Of Flatulence In Patients After Coronary Artery Bypass Graft

##### Design

In this study, 70 patients who are undergoing coronary artery bypass grafting and are eligible for inclusion in the study are selected. Participants are randomly divided into intervention groups A and B, and each participant is assigned a code.

##### Settings and conduct

Farshchian hospital cardiac intensive care unit Hamedan

##### Participants/Inclusion and exclusion criteria

1. Patients who are elevated under the coronary artery bypass graft 2. Age between 40-70 years 3. Lack of abdominal bloating before CABG surgery 4. Full vigilance and enough visual sight 5. Having bloating within 48 hours after the CABG operation with a score of at least 1 and more than the visual scale 6. The ability and readiness of the patient to swallow 7. Not susceptible to medicinal herbs, according to the patient 8. Not having a nose-stomach tube

##### Intervention groups

Intervention group A: The Cumin extract is given to the patient to evaluate the Effect On The Severity Of Flatulence Intervention group B: The mint extract is given to the patient to evaluate the Effect On The Severity Of Flatulence

##### Main outcome variables

Use cumin and mint herbal medicines to treat flatulence

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20171207037779N1**

Registration date: **2018-01-08, 1396/10/18**

Registration timing: **prospective**

Last update: **2018-01-08, 1396/10/18**

Update count: **0**

##### Registration date

2018-01-08, 1396/10/18

##### Registrant information

###### Name

Arash Maghsood

###### Name of organization / entity

###### Country

Iran (Islamic Republic of)

###### Phone

+98 81 3821 9211

###### Email address

ar.maghsoud@edu.umsha.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2018-01-21, 1396/11/01

##### Expected recruitment end date

2018-05-22, 1397/03/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison Of The Effect Of Mint And Cumin Extract On The Severity Of Flatulence In Patients After Coronary Artery Bypass Graft

##### Public title

Comparison Of The Effect Of Mint And Cumin Extract On The Severity Of Flatulence

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

**Inclusion criteria:**

All Patients Undergoing Elective Coronary Artery Bypass Graft Surgery

**Exclusion criteria:****Age**

From **40 years** old to **70 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

- Participant

**Sample size**

Target sample size: **70**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

Randomization Method Using Permutable Blocks

**Blinding (investigator's opinion)**

Single blinded

**Blinding description**

Patients are randomly divided into two groups of interventions and the patient is unaware of the type of medication he takes.

**Placebo**

Not used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

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

Ethics committee of hamedan University of Medical Sciences

**Street address**

Hamadan University of Medical Sciences,shahid fahmideh street, Hamedan, Iran

**City**

hamedan

**Province**

Hamadan

**Postal code**

8698365178

**Approval date**

2017-12-16, 1396/09/25

**Ethics committee reference number**

IR.UMSHA.REC.1396.628

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

Flatulence

**ICD-10 code**

R14.3

**ICD-10 code description**

Flatulence

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

Severity Of Flatulence

**Timepoint**

Determine the severity of flatulence in 4 times: before the intervention, 20 minutes after the first intervention, twenty minutes after the second intervention and 120 minutes after the end of the intervention.

**Method of measurement**

Visual Analogue Scale

**Secondary outcomes**

empty

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

Intervention group: The group receiving Mint Extract receive 40 drops of Mint Extract in 30 cc of urban tap water in three consecutive intervals of 20 minutes.

**Category**

Treatment - Drugs

**2****Description**

Intervention group: The group receiving cumin Extract receive 40 drops of Mint Extract in 30 cc of urban tap water in three consecutive intervals of 20 minutes.

**Category**

Treatment - Drugs

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

Farshchian Cardiovascular Subspecialty Hospital

**Full name of responsible person**

Mohsen Salavati

**Street address**

Shahid Fahmideh Street

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salavatimohsen42@yahoo.com

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**  
Hamedan University of Medical Sciences  
**Full name of responsible person**  
Dr Saeed Bashirian  
**Street address**  
Shahid Fahmideh Street  
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s\_bashirian@yahoo.com

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Hamedan University of Medical Sciences

#### 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**  
Mohsen Salavati  
**Position**  
Instructor  
**Latest degree**  
Master  
**Other areas of specialty/work**  
Nursery  
**Street address**  
Shahid Fahmideh blvd

## Person responsible for scientific inquiries

#### Contact

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## Person responsible for updating data

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## 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