

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 May 2026

### Evaluation of cranberry juice on bacteriuria and puria in spinal cord lesion.

#### Protocol summary

##### Summary

Urinary tract infections (UTIs) are the most common medical complication experienced by individuals living with spinal cord lesion. . To day cranberry is thought to improve urinary tract health . This study design to compaire efficacy of cranberry juice on bacteriuria and pyuria in spinal cord lesion patients . 60 patients with spinal cord lesion will selected and will divided two groups in this randomized, double blind, placebo controlled clinical trial.We obtained informed written consent from eligible patients.Data will collected by checklist and questionnaire . The case patients will given a dose of 250 ml of cranberry juice cocktail with 30% concentration, daily with meals. . The control group will fed the same amount of a placebo cocktail. Urine analysis and culture will carried out and will compared beror intervention and two weeks after interventions.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201112073912N4**

Registration date: **2012-06-18, 1391/03/29**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2012-06-18, 1391/03/29

##### Registrant information

##### Name

Kobra Nourian

##### Name of organization / entity

Sharekord University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 38 1333 5648

##### Email address

noorian@skums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Shahrekord University of Medical Sciences

##### Expected recruitment start date

2012-12-01, 1391/09/11

##### Expected recruitment end date

2013-12-02, 1392/09/11

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Evaluation of cranberry juice on bacteriuria and puria in spinal cord lesion.

##### Public title

Evaluation of cranberry juice on bacteriuria and puria in spinal cord lesion.

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Exclusion criteria: Patients with definite indications for antibiotic treatment (pyocystitis, symptomatic UTI, fever, flank tenderness);Patients with creatinine levels greater than 1.5 gr/dl;Patients with gastrointestinal intolerance or those with allergy to cranberries;Patients who did not complete the clinical trial. inclusion criteria:patients with spinal cord injery , age between 19-60 y;patients (51 male and 9 female) with creatinine levels below 1.5 mg/dl and in the analysis of their urine white blood cell (WBC) counts were greater than 10 in a high-powered field (pyuria) or with a presence of bacteriuria ( $\geq 10^4$ )

cc/ml) in their urine culture

### Age

From **19 years** old to **60 years** old

### Gender

Both

### Phase

N/A

### Groups that have been masked

*No information*

### Sample size

Target sample size: **60**

### 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

Shahrekord University of Medical Sciences

##### Street address

Kashani Hospital

##### City

Shahrekord

##### Postal code

8814819877

#### Approval date

2011-07-27, 1390/05/05

#### Ethics committee reference number

860

## Health conditions studied

### 1

#### Description of health condition studied

Spinal Cord Lesion

#### ICD-10 code

S30-S39

#### ICD-10 code description

Injury of spinal cord, level unspecified

## Primary outcomes

### 1

#### Description

colony count

### Timepoint

Before and 2 weeks after ntervention

### Method of measurement

paraclinic

## Secondary outcomes

### 1

#### Description

odor of urine

#### Timepoint

before and 2weeks after intervention

#### Method of measurement

paraclinic

### 2

#### Description

PH OF urine

#### Timepoint

before and 2weeks after intervention

#### Method of measurement

paraclinic

### 3

#### Description

Type of microorganism

#### Timepoint

before and 2weeks after intervention

#### Method of measurement

paraclinic

## Intervention groups

### 1

#### Description

Case: 250cc cranberry juice placebo daily with meals for 2 weeks.

#### Category

Prevention

### 2

#### Description

Control : 250cc placebo daily with meals for 2 weeks.

#### Category

Prevention

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Kashani Hospital.

##### Full name of responsible person

##### Street address

Kashani Hospital-Parastar St

**City**  
Shahrekord

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**  
Shahrekord University of Medical Sciences  
**Full name of responsible person**  
Shahrekord University of Medical Sciences-Vice  
chancellery for Research  
**Street address**  
Vice chancellery for Research-Kashani St  
**City**  
Shahrekord

### Grant name

### Grant code / Reference number

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

Yes

### Title of funding source

Shahrekord 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**  
Shahrekord University of Medical Sciences  
**Full name of responsible person**  
Kobra Noorian  
**Position**  
Lecturer  
**Other areas of specialty/work**  
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## Person responsible for scientific inquiries

### Contact

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## Person responsible for updating data

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noorian@skums.ac.ir; kobranori@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*