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 compaired 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

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Name of organization / entity
Sharekord University of Medical Sciences
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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 (>= 104

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 chancelly for Research
Street address
Vice chancelly for Research-Kashani St
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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

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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