Clinical Trial Protocol
Iranian Registry of Clinical Trials

28 Jun 2026

Comparing Effect of Washing Meatus Urinary Region with Chlorhexidine and Poidon Iodine Solutions on Level of Appearance of Bacteriuria in Patients with Fixed Urinary Catheter Infected CVA Hospitalized in Neuro-Internal Ward

Protocol summary

Summary

. This study aims to examine effect of washing meatus urinary region with Chlorhexidine and Poidon Iodine solutions on level of appearance of bacteriuria in patients with fixed urinary catheter infected CVA who are hospitalized in Neuro-Internal Ward. Methodology: This study was clinical study.75 of patients suffering CVA which 24 had passed from their cathetring and hospitalized in Neuro-Internal Ward, were placed in 3 groups of 25 through random blocking. The Meatus region of two groups with Chlorhexidine and Poidon Iodine and witness group with daily Normal Salin control group, 5mintues for maximum 10days, were washed. Samples were taken tests and culturing urine in days 1-5 and 10.In order to collect datas, demographic information questionnaire and NIHSS measurement were used. The results were valid and its reliability was 0.9

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201302061407N5**
Registration date: **2013-03-04, 1391/12/14**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2013-03-04, 1391/12/14

Registrant information

Name

Jalil Azimian

Name of organization / entity

Qazvin University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Qazvin University of Medical Sciences

Expected recruitment start date

2013-02-18, 1391/11/30

Expected recruitment end date

2013-03-20, 1391/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing Effect of Washing Meatus Urinary Region with Chlorhexidine and Poidon Iodine Solutions on Level of Appearance of Bacteriuria in Patients with Fixed Urinary Catheter Infected CVA Hospitalized in Neuro-Internal Ward

Public title

Effect of Washing Meatuson on Level of Appearance of Bacteriuria in Patients with Fixed Urinary Catheter

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: every patient should be Catheterized 24 hours ago; they must be admitted in Neurology ward;

before admission, none of the subjects must not have urinary tract infections, or diseases that affect urine output such as renal failure etc; all of patients must suffer from CVA diseases; they must not have visible urinary tract disease; patients in group one must not have a history of allergy to Chlorhexidine and patients in group two must not have a history of allergy to povidone iodine. Exclusion criteria: if the samples of complete urine analysis and culture are positive on the first day (more than 100,000 colonies per milliliter in urine, or more than 3WBC/hpf in the samples; if the patient is carried out before the fifth day of intervention(before taking the second sample); patients who don't consent to participate in the study were excluded; if patients show allergic reaction to any of the ingredients (povidone iodine / chlorhexidine) in the study.

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **75**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Other

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Qazvin University of Medical Sciences Ethics Committee

Street address
Nursing Faculty- Qazvin University of Medical Sciences- Bahonar Blv- Qazvin

City
Qazvin

Postal code

Approval date
2012-07-23, 1391/05/02

Ethics committee reference number
6188/20/28

Health conditions studied

1

Description of health condition studied
Bacteriuria

ICD-10 code
N39.0

ICD-10 code description
Urinary tract infection, site not specified

2

Description of health condition studied
CVA

ICD-10 code
I64

ICD-10 code description
Stroke, not specified as haemorrhage or infarction

Primary outcomes

1

Description
Bacteriuria and pyuria of urine analysis

Timepoint
On the first, fifth and tenth days

Method of measurement
Colonies per milliliter of urine and ≥ 3 WBC / Hpf

2

Description
Positive urine culture

Timepoint
In the first, fifth and tenth days

Method of measurement
Urine analysis and urine culture

Secondary outcomes

1

Description
Demographic questionnaire

Timepoint
First day

Method of measurement
Questionnaire

2

Description
Scale NIHSS

Timepoint
First Day

Method of measurement
Questionnaire

Intervention groups

1

Description
Intervention Group: 25 patients in intervention group with chlorhexidine, daily, 5 minutes for up to 10 days of meatus region will be washed by using a sterile swab and a rotary washing will be performed.
Category
Prevention

2

Description
Control group: included 25 patients with daily Normal Salin, 5 mintues for maximum 10 days, were washed.Using a sterile swab and a rotary washing will be performed.
Category
Other

3

Description
Intervention group 2: 25 patients with Betadine will daily, 5 minutes for up to 10 days of meatus region will be washed .Using a sterile swab and a rotary washing will be performed.
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Ali Sina Hospital
Full name of responsible person
Yasin Azadmanesh
Street address
Neuro Internal Ward- Ali Sina Hospital- Naderi Cross- Qazvin
City
Qazvin

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Qazvin University Of Medical Sciences-nursnig and midwifery faculty-Vice-Chancellor for Research
Full name of responsible person
Dr fatemeh mohamadi
Street address
Vice-Chancellor for Research- Qazvin University of Medical Sciences
City
Qazvin
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Qazvin University Of Medical Sciences-nursnig and midwifery faculty-Vice-Chancellor for Research
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
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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