

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 minutes 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-nursing 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-nursing 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

Name of organization / entity

Qazvin University of Medical Sciences

Full name of responsible person

Yasin Azadmanesh

Position

M.A. student nursing

Other areas of specialty/work

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Member of the Academic Board of Qazvin University of Medical Sciences

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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