Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparative study of effectiveness of long term low dose antibiotic Prophylaxis in patients with recurrent UTI

Protocol summary

Summary

Urinary tract infection is a common cause of morbidity. Urinary tract should be checked for cases with recurrent UTI. Some patients have frequent UTI without any abnormality in urinary tract. In this study we will evaluate the efficacy of the long- term low-dose antibiotic prophylaxis with Cotrimoxazol and Nalidixic-acid in the patients with recurrent UTI. This study is a before and after clinical trial without control group over 100 patients with recurrent UTI who will refer to the Urology clinic, Ekbatan Hospital. These patients should not have abnormal urologic findings in clinical and para-clinical evaluations (Ultrasonography, VCUG and IVP). They will treat by Cotrimoxazol or Nalidixic-acid in long term-low dose antibiotic prophylaxis method according to urine culture and antibiogram. Both groups will follow with urine cultures in therapeutic and 6 months follow up period. Also we will evaluate the differences between age, gender, kind of microorganism, marital status, re-infection time and number of recurrences before treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112095641N2**
Registration date: **2011-12-15, 1390/09/24**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2011-12-15, 1390/09/24

Registrant information

Name

Seyed Habibollah Mousavi-bahar

Name of organization / entity

Hamedan University of Medical sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Hamedan University of Medical Sciences

Expected recruitment start date

2012-01-01, 1390/10/11

Expected recruitment end date

2012-09-01, 1391/06/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative study of effectiveness of long term low dose antibiotic Prophylaxis in patients with recurrent UTI

Public title

Treatment of recurrent urinary tract infection

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Any patient with recurrent Urinary Tract Infection, at least 3 episode of UTI during past 12 months. Exclusion criteria: Abnormal finding in physical examination or in paraclinic (ultrasonography, VCUG, Isotope Scan, IVP)

Age

No age limit

Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **100**
Randomization (investigator's opinion)
N/A
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Single
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Vice chancellor for research, Hamedan University of Medical Sciences
Street address
Shariati Cross Road
City
Hamedan
Postal code
Approval date
2011-11-17, 1390/08/26
Ethics committee reference number
2007/9/35/16/P/D

Health conditions studied

1

Description of health condition studied
Urinary Tract Infection
ICD-10 code
N39.0
ICD-10 code description
Urinary tract infection, site not specified

Primary outcomes

1

Description
No Urinary Tract Infection
Timepoint
Every month for 2 months and then every 2 months for 10 months
Method of measurement
Urine Culture

Secondary outcomes

1

Description
Recurence of Urinary Tract Infection
Timepoint
Every month for 2 months and then every 2 months for 10 months
Method of measurement
Urine Culture

Intervention groups

1

Description
After properly treating the current UTI, we will start longterm lowdose antibiotic (Coterimoxazole or Nalidixic acid) based on urine culture and antibiogram. One tablet per night for adults and weight adjusted dose for children.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Ekbatan Hospital
Full name of responsible person
Seyed Habibollah Mousavi-bahar
Street address
Urology Ward
City
Hamedan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Heidar Tavilani
Street address
Opposit to Mardom Park
City
Hamedan
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
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
Hamedan University of Medical sciences
Full name of responsible person
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Position
Associate Prof.
Other areas of specialty/work
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Web page address

Person responsible for updating data

Contact

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