Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

The effect of Urtica dioica extract on short-time consequences of double-J ureteral catheters

Protocol summary

Summary

The aim of the study: the effect of the extract of nettle on short-term outcomes ureteral double J catheter. The design of the study: randomized, double-blind, placebo controlled, single-center, phase 1-2 trial. The study population: all patients 20 to 70 years old following the lithotripsy for ureteral double J catheter is embedded. The main criteria for inclusion: stone size (lesser than ten mm) and place the stone below the junction (ureteral pelvic). Exclusion criteria: previous surgery on the bladder or lower urinary tract; active urinary tract infection; lack of proper placement of the double J catheter. Sample size: 62. Case study: urtidin pills (nettle extract) essential pharmaceutical company Barij a dosage of one pill every 8 hours for fifteen days. Intervention time: urtidin pills with a dosage of one tablet every 8 hours for a period of fifteen days it will be given to the intervention group. The outcome of the study: 1. Dysuria; 2- frequency; 3. hematuria, with starting at least 24 hours after surgery; 4. pain in the flank area; 5. Urinary Tract Infection; 6. Fever; 7. mucosal inflammation of the bladder and ureter.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016090329680N1**
Registration date: **2017-03-18, 1395/12/28**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-03-18, 1395/12/28

Registrant information

Name

Saeed Heydari

Name of organization / entity

Shahroud University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Shahroud University of Medical Sciences

Expected recruitment start date

2017-03-10, 1395/12/20

Expected recruitment end date

2017-07-11, 1396/04/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Urtica dioica extract on short-time consequences of double-J ureteral catheters

Public title

The effect of Urtica dioica exstract on consequences of double-J ureteral catheters

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: the size of the stone and the location of the stone which measures (less than ten mm) and place the stone below the junction (urethral pelvic); patients suffering a urethral stone, just on one side and those who bilateral urethral stones or kidney stones are excluded; age between 20-70 years old(due to a higher

incidence of kidney stones in this age range); no history of urologic manipulation in the past few years is a another criteria. Exclusion criteria: history of benign prostatic hypertrophy; previous surgery on the bladder or lower urinary tract; bladder stones; active urinary tract infection; lack of proper placement of the double J catheter; neurogenic bladder and the lack of the next visit.

Age
From **20 years** old to **70 years** old

Gender
Both

Phase
1-2

Groups that have been masked
No information

Sample size
Target sample size: **62**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Sharoud University of Medical Sciences

Street address
Sharoud University of Medical Sciences, 7th Tir square

City
Shahroud

Postal code
3613773955

Approval date
2015-12-22, 1394/10/01

Ethics committee reference number
IR.SHMU.REC.1394.145

Health conditions studied

1

Description of health condition studied
Complications of double j urethral cathater

ICD-10 code
T83

ICD-10 code description
Complications of genitourinary prosthetic devices, implants and grafts

Primary outcomes

1

Description
gross hematuria

Timepoint
3 and 7 days after start of treatment

Method of measurement
questionnaire

2

Description
dysuria

Timepoint
3, 7 and 15 days after start of treatment

Method of measurement
questionnaire

3

Description
frequency

Timepoint
3, 7 and 15 days after start of treatment

Method of measurement
questionnaire

4

Description
pain

Timepoint
3, 7 and 15 days after start of treatment

Method of measurement
VAS score

5

Description
microscopic hematuria

Timepoint
15 days after start of treatment

Method of measurement
urine analysis

6

Description
edema and inflammation of the mucus of bladder and ureter

Timepoint
15 days after start of treatment

Method of measurement
cystoscopy

7

Description
urinary infection
Timepoint
15 days after start of treatment
Method of measurement
urine cuture

8

Description
fever
Timepoint
3, 7 and 15 days after start of treatment
Method of measurement
questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
The control group patients after discharge - the day after surgery - and for a period of 48 hours, antibiotic cefixime 400, on a daily basis and 10 ibuprofen housing 400, one pill, given every 8 hours.
Category
Treatment - Drugs

2

Description
In the intervention group, in addition to these drugs, pills urtidin pharmaceutical barij company, a dosage of one pill every 8 hours, for a period of fifteen days it will be given.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Urology clinic or Emergency Department of Emam Hossein Hospital
Full name of responsible person
Saeed Heydari
Street address
Emam Hossein Hospital
City
Shahroud

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Sharoud University of Medical Sciences
Full name of responsible person
Hassan Emamian
Street address
Sharoud University of Medical Sciences, 7th Tir square
City
Shahroud
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Sharoud 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
Clinical Research Development, Sharoud University of Medical Sciences
Full name of responsible person
Saeed Heydari
Position
Medical student
Other areas of specialty/work
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Person responsible for scientific inquiries

Contact
Name of organization / entity
Sharoud University of Medical Sciences
Full name of responsible person

Naser Mogharabian

Position

Urologist

Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Saeed Heydari

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Medical student

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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