

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

comparison of combined electro cutter with cold knife with cold knife in the intractable anterior urethral stricture urethrotomy

Protocol summary

Summary

The main aim of this study was to use of combined electro cutter – cold knife urethrotomy In comparison of only cold knife urethrotomy for decreasing recurrence and complication rates in recurrent anterior urethral strictures. The including key criteria in this study were anterior short, single and recurrent strictures (more than two time recurrence) and the excluding key criteria were anterior long, multiple, and first time urethral strictures, and also posterior urethral strictures. In this prospective study 87 male anterior recurrent urethral stricture patient with 18 years old and older were in rolled from the first of May 2010 to the first of Jun 2013. Our patients randomized to two groups by computer generated random numbers. In group A, 45 patients urethrotomised by combined electro cutter – cold knife, and in group B , urethrotomy was performed only by cold knife. Patients followed for 6 months (in 15, 30, and 180 day durations). Follow-up procedures were physical examinations, uroflowmetry,retrograde urethrography , and record of any complication symptoms in every duration. Urethral stricture improving and urethral stricture recurrent rate as primary out comes assisted by uroflowmetry and retrograde urethrography in 15,30 and 180 day durations after intervention .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201501071981N5**

Registration date: **2015-01-15, 1393/10/25**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-01-15, 1393/10/25

Registrant information

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Name of organization / entity

Kerman University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Physiology Research Center , Kerman University of Medical Sciences

Expected recruitment start date

2010-05-01, 1389/02/11

Expected recruitment end date

2013-06-01, 1392/03/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comparison of combined electro cutter with cold knife with cold knife in the intractable anterior urethral stricture urethrotomy

Public title

Evaluation of combined electro cutter urethrotomy in the intractable anterior urethral stricture

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria :anterior urethral stricture;short and single urethral stricture;recurent urethral stricture

exclusion criteria :posterior urethral stricture;long and multiple anterior urethral stricture;first time urethral stricture

Age

From **18 years** old to **45 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **87**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Kerman University of Medical Science Research
Center

Street address

Kerman University of Medical Science

City

Kerman

Postal code

Approval date

2010-08-20, 1389/05/29

Ethics committee reference number

k/372/93

Health conditions studied

1

Description of health condition studied

urethral stricture

ICD-10 code

N99.1

ICD-10 code description

Postprocedural urethral stricture

Primary outcomes

1

Description

urethral stricture improve

Timepoint

15day ,30 day , and 3 months after intervention

Method of measurement

uroflowmetry

2

Description

urethral stricture recurrent rate

Timepoint

15day ,30 day , and 3 months after intervention

Method of measurement

uroflowmetry and retrograde urethrography

Secondary outcomes

1

Description

dysuria

Timepoint

15day ,30 day , and 3 months after intervention

Method of measurement

questionnaire

2

Description

quality of life

Timepoint

15day ,30 day , and 3 months after intervention

Method of measurement

questionnaire

Intervention groups

1

Description

in Intervention group :urethrotomy performed by an optical combined electrocutter-cold knife urethrotom internally in one stage

Category

Treatment - Surgery

2

Description

in control group:urethrotomy performed by a cold knife urethrotom internally in one stage

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center
Bahonar Hospital (urology department)
Full name of responsible person
Dr.Ali Asghar Ketabchi
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Web page address

Person responsible for scientific inquiries

Contact
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Physiology Research Center , Kerman University of Medical Sciences
Full name of responsible person
Dr. Hamid Najafi
Street address
Research Building, Somaie Square
City
kerman
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Physiology Research Center , Kerman 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
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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