

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of the incidence of urinary incontinence in two methods of transobturator and mini sling surgery and urodynamic markers in patients with urinary incontinence

Protocol summary

Study aim

Comparison of the incidence of urinary incontinence in two methods of transobturator and mini sling surgery and urodynamic markers in patients with urinary incontinence

Design

randomized clinical trial Randomization with computerized program for random allocation and sealed envelopes: at the time of open envelope surgery and the type of operation was determined. To estimate the sample size, studies will be used from similar studies that similar groups have been compared. Considering the results of the comparison in the change of hospital stay and the duration of surgery in a similar study, this study was conducted using the comparative formulas of the meanings considering $\alpha = 0.5$ and $\beta = 0.2$ and the probability of the loss of study samples in each A group of 35 people is considered. .

Settings and conduct

In this RCT study in Shahid Hasheminejad Hospital, women who are referred to Urology Clinic with complaints of stress urinary incontinence included in the study.

Participants/Inclusion and exclusion criteria

Women with urinary incontinence were studied
EXCLUSION CRITERIA: overactive bladder under medical treatment high post void residue neurological deficit pelvic inflammatory disease pelvic organ prolapse recurrence of prior surgery

Intervention groups

women with stress urinary incontinence They were divided into mini-sling and transobturator groups The transobturator group was designated as a control according to a further history of usage

Main outcome variables

urodynamic study FSFI questionnaire (female sexual function index) ICIQ questionnaire (International

Consultation on Incontinence Questionnaire) pain questionnaire

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180407039216N1**

Registration date: **2018-04-22, 1397/02/02**

Registration timing: **registered_while_recruiting**

Last update: **2018-04-22, 1397/02/02**

Update count: **0**

Registration date

2018-04-22, 1397/02/02

Registrant information

Name

Abdolreza Momtazan

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 4489 3413

Email address

momtazan.ar@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-04-21, 1397/02/01

Expected recruitment end date

2018-06-22, 1397/04/01

Actual recruitment start date

2018-04-21, 1397/02/01

Actual recruitment end date

2018-06-22, 1397/04/01
Trial completion date
empty

Scientific title
Comparison of the incidence of urinary incontinence in two methods of transobturator and mini sling surgery and urodynamic markers in patients with urinary incontinence

Public title
anti incontinence surgery

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
stress urinary incontinence female
Exclusion criteria:
non stress urinary incontinence POP high PVR
neurological deficit PID recurrence of prior surgery under medical treatment

Age
No age limit

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **70**
Actual sample size reached: **80**

Randomization (investigator's opinion)
Randomized

Randomization description
random allocation Individuals were randomly assigned to a TOT or mini sling technique using a random sequence in a 1: 1 ratio design and were randomly assigned to a series of sealed envelopes.

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
Ethics committee of Iran University of Medical Science
Street address
Valinezhad Ave., Valie Asr Ave.,
City

Tehran
Province
Tehran
Postal code
1969714713
Approval date
2018-03-04, 1396/12/13
Ethics committee reference number
IR.IUMS.FMD.REC 1396.9311254002

Health conditions studied

1

Description of health condition studied

female urinary incontinence

ICD-10 code

N39.3

ICD-10 code description

Stress incontinence (female) (male)

Primary outcomes

1

Description

Changes in urodynamic quantities

Timepoint

before and after surgery

Method of measurement

urodynamic study , female sexual function questionnaire (FSFI questionnaire) ,International Consultation on Incontinence Questionnaire(ICIQ questionnaire)

Secondary outcomes

1

Description

Change in sexual activity score

Timepoint

before and 8 week after surgery

Method of measurement

FSFI questionnaire(female sexual function index)

Intervention groups

1

Description

Intervention group: mini sling anti incontinence surgery

Category

Treatment - Surgery

2

Description

Control group: transobturator anti incontinence surgery

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Hasheminezhad Kidney center

Full name of responsible person

Abdolreza Momtazan

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Valinezhad Ave., Valie Asr Ave.

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Seyed Kazem Malakouti

Street address

Hemmat highway,next to milad tower ,Iran University of medicine

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malakouti.k@iums.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Iran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Abdolreza Momtazan

Position

urology rezident

Latest degree

Medical doctor

Other areas of specialty/work

Urology

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Person responsible for updating data

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available