

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The outcomes of enhanced view of total extraperitoneal inguinal (e-TEP) hernia repair are better than Trans abdominal preperitoneal (TAPP) hernia repairs.

Protocol summary

Study aim

The objective of this study is to compare the differences in postoperative complication, surgical procedure length, duration of hospitalization, duration of return to work and relapse frequency between the enhanced view totally extraperitoneal (TEP) and transabdominal preperitoneal (TAPP) approaches for inguinal hernia repairs.

Design

Randomized control trial, non blinded, with parallel group design of 50 patient for suspected period of 6 months after approval of RCT.

Settings and conduct

This study was conducted in Sheikh Zayed Hospital Rahim Yar Khan. The study was not blinded. The patient were told about the surgery. The surgery was done after informed written consent.

Participants/Inclusion and exclusion criteria

Patient with age 15 and 60 year of any gender were included. Patient with reducible inguinal hernia were included. Patient having previous history of mildline surgery and with recurrent inguinal hernia were excluded. Patient with strangulated and obstructed hernia were excluded.

Intervention groups

Two groups were made. In one group A patients were undergone trans abdominal preperitoneal hernia repair (TAPP) and in group B total extraperitoneal hernia repair (e-TEP) was done after informed written consent.

Main outcome variables

Postoperative complication, Surgical procedure length, Duration of hospitalization, Duration of return to work and relapse frequency

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20240503061640N2**

Registration date: **2024-09-22, 1403/07/01**

Registration timing: **prospective**

Last update: **2024-09-22, 1403/07/01**

Update count: **0**

Registration date

2024-09-22, 1403/07/01

Registrant information

Name

Muhammad Ahsan Mustafa

Name of organization / entity

CPSP

Country

Pakistan

Phone

+92 333 3396180

Email address

whereisdrahsan@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2024-10-01, 1403/07/10

Expected recruitment end date

2025-10-01, 1404/07/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The outcomes of enhanced view of total extraperitoneal

inguinal (e-TEP) hernia repair are better than Trans abdominal preperitoneal (TAPP) hernia repairs.

Public title

The outcomes of enhanced view of total extraperitoneal inguinal (e-TEP) hernia repair are better than Trans abdominal preperitoneal (TAPP) hernia repairs.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Patient included with age between 15 and 60 years
Patient with inguinal hernia were added
Patient with reducible inguinal hernia were included
Patient of age gender were included
Patient having no previous history of surgery were included

Exclusion criteria:

Patient below age 15 and above age 60 were excluded
Irreducible inguinal hernia were excluded
Obstructed and strangulated inguinal hernia were excluded
Patient with recurrent inguinal hernia were excluded
Patient with previous midline scar were excluded

Age

From **15 years** old to **60 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **50**

Randomization (investigator's opinion)

Randomized

Randomization description

I used computer generated software SPSS version 23 for randomization. First the sample size was randomized into two groups by using SPSS. Then subjects were assign to each group accordingly.

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

Institutional review board Sheikh Zayed Medical College/Hospital Rahim yar khan.

Street address

C899+333, Rahim Yar Khan, Punjab

City

Rahim Yar Kahn

Postal code

64200

Approval date

2023-08-03, 1402/05/12

Ethics committee reference number

750/IRB/SZMC/SZH

Health conditions studied

1

Description of health condition studied

Inguinal Hernia

ICD-10 code

K40

ICD-10 code description

Inguinal hernia

Primary outcomes

1

Description

Post operative pain, bleeding/seroma, return to daily work, hospital stay.

Timepoint

Post operative period and follow up (6 week)

Method of measurement

By clinical examination and ultrasonography.

Secondary outcomes

1

Description

Recurrence of hernia and re admission rate.

Timepoint

After surgery till 1 year

Method of measurement

Clinical examination and ultrasonography.

Intervention groups

1

Description

Intervention group 1: underwent TAPP surgery for hernia repair.

Category

Treatment - Surgery

2

Description

Intervention group 2: underwent e-TEP surgery for hernia repair

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Sheikh Zayed Medical College/Hospital Rahim Yar Khan.

Full name of responsible person

Khurram Niaz

Street address

C899+333, Rahim Yar Khan, Punjab

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Phone

+92 321 6801550

Email

Khurram.niaz@hotmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Sheikh zayed medical college

Full name of responsible person

Prof Tariq ghafoor .Director department of medical education

Street address

Sheikh zayed medical college

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Rahim Yar Khan

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66000

Phone

+92 300 6748909

Email

Tariqghafoor55@gmail.com

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Sheikh zayed medical college

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

Sheikh Zayed Medical College/Hospital Rahim Yar Khan

Full name of responsible person

Dr Khurram Niaz

Position

Assistant Professor

Latest degree

Specialist

Other areas of specialty/work

General Surgery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

Khurram Niaz

Position

Assistant professor

Latest degree

Specialist

Other areas of specialty/work

General Surgery

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Person responsible for updating data

Contact

Name of organization / entity

Combined Military Hospital Bahawalpur

Full name of responsible person

Muhammad Ahsan Mustafa

Position

Resident surgery

Latest degree

Bachelor

Other areas of specialty/work

General Surgery

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Postal code

63100

Phone

+92 333 3396180

Email

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

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

The outcomes of enhanced view of total extraperitoneal inguinal (e-TEP) hernia repair are better than Trans abdominal preperitoneal (TAPP) hernia repairs.

When the data will become available and for how long

In July 2026

To whom data/document is available

Only available for the people working in academic institutions

Under which criteria data/document could be used

whereisdrahsan@yahoo.com

From where data/document is obtainable

whereisdrahsan@yahoo.com

What processes are involved for a request to access data/document

Through email id

Comments