Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Clinical trial comparison of ilioinguinal and iliohypogastric never blocks with subfascial infiltration with bupivacaine in postoperative pain in herniorhaphy surgery

Protocol summary

Summary

The aim of this study is to compare ilioinguinal and iliohypogastric never blocks with subfascial infiltration with bupivacaine in postoperative pain in herniorhaphy surgery.In this clinical trial study ,99 patients candidate for herniorrhaphy entered the study.Inclusion criteria : Inguinal hernia without symptom; 20-75 years; ASA I and II; no history of cardiac disease; pulmonary and renal disease; no insensitivity to Bupivacain and petedin; no analgesia for routine.Exclusion criteria:Inguinal hernia complicated; allergy to bupivacaine or petedine; ASA class higher than 2; renal failure; a complication of the surgery; a previous or current medical conditions; drug use prior to surgery; patients who are not able to communicate.After the end of surgery, patient were randomly(double blinde) divided into three groups.In first group ilioinguinal and iliohypogastric nerve block obtained with 10cc of 0.5 % bupivacaine , the second group undewant subfascial instillation with 10 cc of 0.5 % bupivacain and no infiltration was performed in the last group .The pain score was evaluated by VAS immediately ,6 and 12 and 24 hours after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016030220258N4**
Registration date: **2016-03-21, 1395/01/02**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-03-21, 1395/01/02

Registrant information

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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences

Expected recruitment start date

2013-03-20, 1391/12/30

Expected recruitment end date

2014-03-20, 1392/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical trial comparison of ilioinguinal and iliohypogastric never blocks with subfascial infiltration with bupivacaine in postoperative pain in herniorhaphy surgery

Public title

Clinical trial comparison of ilioinguinal and iliohypogastric never blocks with subfascial infiltration with bupivacaine in postoperative pain in herniorhaphy surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : Inguinal hernia without symptom;

20-75 years; ASA I and II; no history of cardiac disease; pulmonary and renal disease; no insensitivity to Bupivacain and petedin; no analgesia for routine Exclusion criteria:Inguinal hernia complicated; allergy to bupivacaine or petedine; ASA class higher than 2; renal failure; a complication of the surgery; a previous or current medical conditions; drug use prior to surgery; patients who are not able to communicate

Age

From **20 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **99**

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

Arak University of Medical Sciences and Health Services

Street address

Arak, Sardasht, Basij Square, Payambar Azam Complex, Reaserch Center

City

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848176941

Approval date

2012-09-03, 1391/06/13

Ethics committee reference number

91-132-6

Health conditions studied

1

Description of health condition studied

Inguinal hernia

ICD-10 code

K40.3

ICD-10 code description

Unilateral or unspecified inguinal hernia, with obstruction, without gangrene Inguinal hernia (unilateral): causing obstruction incarcerated irreducible strangulated without gangrene

Primary outcomes

1

Description

Pain

Timepoint

after operation,6 hours after operation,12hours after operation,24 hours after operation

Method of measurement

Visual Analogue Scale

Secondary outcomes

empty

Intervention groups

1

Description

In first group ilioinguinal and iliohypogastric nerve block obtained with 10cc of 0.5 % bupivacaine

Category

Treatment - Drugs

2

Description

The second group undewant subfascial instillation with 10 cc of 0.5 % bupivacain

Category

Treatment - Drugs

3

Description

no infiltration was performed in the last group

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr Hospital

Full name of responsible person

Dr Shahin Fateh

Street address

Arak, Valiasr Hospital

City

Arak

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Arak University of Medical Sciences
Full name of responsible person
Dr Mohammad Rafiee
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Arak, Sardasht, Basij Square, Payambar Azam Complex, Reaserch Center
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Arak 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