

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

26 May 2026

### Comparative of Clonidine and conventional methods on post operative analgesia

#### Protocol summary

##### Summary

Pain control after surgery is one of the major problems in pediatric anesthesia. The aim of this study was evaluation of two different drugs, pethidine for analgesia as a routine procedure and preoperative oral clonidine in prevention of post-operative pain and agitation in children. A total of 44 candidates for elective herniotomy (aged 1 to 3 years) randomly divided into two groups of 22. In the first half hour before induction of anesthesia in the oral clonidine group, 4 micrograms per kilogram with 5 ml / kg / hour for every hour fasting serum 3/2 3/1 received and second group of patients in the recovery room 5/0 mg / kg pethidine received.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2012091310340N6**

Registration date: **2012-10-04, 1391/07/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2012-10-04, 1391/07/13

##### Registrant information

###### Name

Mohammad Aryaie

###### Name of organization / entity

Golestan University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 911 277 1798

###### Email address

aryaie@goums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Golestan university of medical sciences

##### Expected recruitment start date

2011-04-14, 1390/01/25

##### Expected recruitment end date

2012-09-02, 1391/06/12

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparative of Clonidine and conventional methods on post operative analgesia

##### Public title

the survey of comparative of Clonidine and conventional methods on post operative analgesia

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: herniotomy surgery; 1 to 3 years-old.

Exclusion criteria: pain before surgery.

##### Age

From **1 year** old to **3 years** old

##### Gender

Both

##### Phase

2-3

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: **44**

##### 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**

Golestan university of medical sciences

**Street address**

Golestan university of medical sciences

**City**

Gorgan

**Postal code****Approval date**

2010-06-14, 1389/03/24

**Ethics committee reference number**

13989.03.24

**Health conditions studied****1****Description of health condition studied**

herniotomy

**ICD-10 code**

J98.5

**ICD-10 code description**

Diseases of mediastinum, not elsewhere classified

**Primary outcomes****1****Description**

pain

**Timepoint**

FLACC SCALE

**Method of measurement**

After surgery

**Secondary outcomes**

empty

**Intervention groups****1****Description**

group 2: 0.5 mg / kg pethidine

**Category**

Treatment - Drugs

**2****Description**

Group 1:clonidine 4 micrograms per kilogram

**Category**

Treatment - Drugs

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Talghani hospital

**Full name of responsible person****Street address****City**

Gorgan

**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Golestan university of medical sciences

**Full name of responsible person**

Dr. Mohamad ali Vakili

**Street address**

Golestan university of medical sciences

**City**

Gorgan

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

Yes

**Title of funding source**

Golestan 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**

Golestan university of medical sciences

**Full name of responsible person**

doctor Abdolrahmane Tofighi Rad

**Position**

specialist

**Other areas of specialty/work**

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Fifth Azar hospital, Fifth street, Kakh square

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**Web page address**

**Person responsible for scientific inquiries**

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Golestan university of medical sciences

**Full name of responsible person**

Mohamad Aryaie

**Position**

master

**Other areas of specialty/work**

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**Full name of responsible person**

Amin Hassanzad

**Position**

Bachelor

**Other areas of specialty/work**

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hassanzad\_amin@yahoo.com

**Web page address**

**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*