Clinical Trial Protocol
Iranian Registry of Clinical Trials

04 Nov 2026

Evaluation effect of dexamethasone on post-tonsilectomy pain in Amirkabir hospital

Protocol summary

Summary

The objective of this study is evaluation of efficacy of dexamethasone on decreasing pain after tonsilectomy. A total of 200 Patients aged 18 years or younger assigned into one of the two intervention groups. The patients who contraindicate for take corticosteroid are excluded from the study. The patients in the intervention group receive two doses of dexamethasone, 0.5 m/kg each, while those in the control group receive normal saline with the same volume of calculated doses of dexamethasone during and 8 hours after tonsilectomy. The intensity of pain after tonsilectomy is measured by pain scoring scale in the first and fifth days after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201104216213N2**
Registration date: **2011-06-30, 1390/04/09**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-06-30, 1390/04/09

Registrant information

Name

Neda Salehjafari

Name of organization / entity

Arak University Of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Deputy of Research of Arak University of Medical Sciences

Expected recruitment start date

2011-06-06, 1390/03/16

Expected recruitment end date

2011-06-06, 1390/03/16

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation effect of dexamethasone on post-tonsilectomy pain in Amirkabir hospital

Public title

The effect of dexamethasone on post-tonsilectomy pain

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: candidate for tonsillectomy due to tonsilar hypertrophy, recurrent tonsillitis, or pre-tonsilar abcess Exclusion criteria: receiving corticosteroids (for example hyper-reactive airway), contraindicate for corticosteroid prescription (for example diabetes, cushing/suspected to TB)

Age

To **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **200**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Triple blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Deputy Research of Arak University of Medical Sciences

Street address
Deputy of Research - Pardis University Site - Basij Square

City
Arak

Postal code

Approval date
2010-06-30, 1389/04/09

Ethics committee reference number
89-91-2

Health conditions studied

1

Description of health condition studied
pain after tonsilectomy

ICD-10 code
T88

ICD-10 code description
Complications of surgical and medical care, not elsewhere classified

Primary outcomes

1

Description
Dcreasing pain after tonsilectomy

Timepoint
First and fifth days after tonsilectomy

Method of measurement
By using pain scoring scale

Secondary outcomes

empty

Intervention groups

1

Description
Control Group: Normal Saline twice (During tonsilectomy and 8 hours after the surgery), 0.125 ml/kg, IV

Category
Placebo

2

Description
Intervention Group: Dexamethasone (During tonsilectomy and 8 hours after surgery), 0.5 ml/kg, IV

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Amirkabir Hospital

Full name of responsible person

Street address

City
Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Depuy Research of Arak University of Medical Science

Full name of responsible person
Dr. Saeed Changizi Ashtiani

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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
Depuy Research of Arak University of Medical Science

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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Full name of responsible person
Dr Neda Salehjafari

Position
Specialist Phisician(Ear,Nose,Throat)-Assistant Professor

Other areas of specialty/work

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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