

Clinical Trial Protocol

Iranian Registry of Clinical Trials

06 Jul 2026

Comparing the effect of dexamethasone therapy versus placebo in septic arthritis treatment

Protocol summary

2013-11-20, 1392/08/29

Summary

The aim of this study was to compare the additive therapy of dexamethasone to placebo (both with antibiotic) in the treatment of septic arthritis. Material and methods: a randomized double-blind placebo-controlled trial study, 54 patients with septic arthritis that aged above 6 months and septic arthritis diagnosed with clinical and laboratory data were recruited. For diagnosis all involved joints aspirated and joints fluid and blood sample send to laboratory. Inclusion criteria : age above 6 months and patient with septic arthritis from first time; exclusion criteria : history of immunosuppressive disease or leukemia; history of systemic disease; use of antibiotic therapy before culture; use of systemic corticosteroid before disease; history of systemic inflammatory disease such as rheumatoid arthritis. Then patient will be divided to two groups ; one group receives antibiotic therapy administrates along with intravenous dexamethasone 0.15 mg/kg every 6 hours for 4 day and other group receives antibiotic therapy administrates along with intravenous placebo and two groups. Comparing for clinical and laboratory parameter & length of hospital stay and late sequels clinical parameter consists of fever, warm, limitation of motion and function in any joint. Laboratory parameter consist of WBC/cc, ESR ,CRP .

Registrant information

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Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2012-07-17, 1391/04/27

Expected recruitment end date

2013-05-17, 1392/02/27

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of dexamethasone therapy versus placebo in septic arthritis treatment

Public title

the effect of dexamethasone therapy in septic arthritis treatment

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age above 6 months; patient with septic arthritis from first time. Exclusion criteria: history

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013112011014N1**

Registration date: **2013-11-20, 1392/08/29**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

of immunosuppressive disease or leukemia; history of systemic disease; use of antibiotic therapy before culture; use of systemic corticosteroid before disease; history of systemic inflammatory disease such as rheumatoid arthritis.

Age

From **1 year** old to **15 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **54**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ahvaz Jundishapur University of Medical Sciences

Street address

Ahvaz

City

Ahvaz

Postal code

Approval date

2012-07-16, 1391/04/26

Ethics committee reference number

ETH568

Health conditions studied

1

Description of health condition studied

Septic arthritis

ICD-10 code

M00

ICD-10 code description

Pyogenic arthritis

Primary outcomes

1

Description

duration of treatment

Timepoint

daily

Method of measurement

number day stay in hospital

Secondary outcomes

1

Description

number of day that need CRP become normal

Timepoint

every three day

Method of measurement

from+ to+++++

Intervention groups

1

Description

15 cc/kg

Category

Treatment - Drugs

2

Description

Injected or not injected with dexamethasone

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam khomani hospital

Full name of responsible person

Street address

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Mostafa Feghihi

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Ahvaz Jundishapur University of Medical Sciences

City
Ahvaz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ahvaz Jundishapur 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

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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