Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Jul 2026

Comparison of the Effects of Intramuscular Dexamethasone and Normal Saline On Duration of labor in Post Date Nulli Para Pregnancies

Protocol summary

Summary

Aim of study: Determine the effect of intramuscular dexamethasone on duration of labor in postdate pregnancy Study Design: Randomized, single-blind, placebo-controlled study. Inclusion and exclusion criteria: Inclusion criteria included 42-40 weeks gestational age, Bishop score less than or equal to 4. Exclusion criteria included premature rupture of membranes and hypertension . Study population: 100 nulliparous women with Bishop Score less than 4 who referred to Ahvaz Amir Al Momenin hospital. Intervention and its timing: March to October 2009. Single dose of intramuscular dexamethasone (8 mg) was administered to study group 12 h before induction. The controls were given 2 cc of normal saline at the same interval. The primary outcome: the time between induction to bigining active phase is reduced.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013042413109N1**
Registration date: **2013-09-22, 1392/06/31**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-09-22, 1392/06/31

Registrant information

Name

Leila Hajivandi

Name of organization / entity

Islamic Azad University of Kazerrun

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Ahvaz University of Medical Sciences

Expected recruitment start date

2009-04-06, 1388/01/17

Expected recruitment end date

2009-10-02, 1388/07/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the Effects of Intramuscular Dexamethasone and Normal Saline On Duration of labor in Post Date Nulli Para Pregnancies

Public title

dexamethasone on prolonged pregnancy

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Bishop score less than or equal to 4; Cephalic presentation; Singleton gestations; Gestational age of 40 to 42 weeks Exclusion criteria : Premature rupture of membrane; Diabetes mellitus and pre-eclampsia; Probable macrosomia

Age

From **18 years** old to **35 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

ahvaz medecine univercity

Street address

iran,ahvaz,bolvar golestan

City

ahvaz

Postal code

Approval date

2009-04-16, 1388/01/27

Ethics committee reference number

u88117

Health conditions studied

1

Description of health condition studied

delivery

ICD-10 code

o48

ICD-10 code description

prolonged pregnancy

Primary outcomes

1

Description

duration of labor

Timepoint

evry 4 hours

Method of measurement

pelvic exam

Secondary outcomes

1

Description

cervical ripening

Timepoint

after 12 hours

Method of measurement

pelvic exam

Intervention groups

1

Description

in study group:dexamethasone group 8 mg (2 mL), 12 hours before initiation of labor induction; iran hormon

Category

Treatment - Drugs

2

Description

In the control group 2 mL normal saline 12 hours before initiation of labor induction

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Amir Almomenin Hospital

Full name of responsible person

Leila Hajivandi

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Town martyr Bahonar, Amir Almomenin Hospital, Ahvaz, Iran

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Simin Montazeri

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Golestan Blvd, Ahvaz University of Medical Sciences, Ahvaz, Iran

City

Ahvaz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor

organization/entity?
Yes
Title of funding source
Ahvaz 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