Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of accupuncture effectiveness in comparison with petidin on labour pain and delivery length

Protocol summary

Summary

The aim of this study is evaluation of acupuncture effectiveness on labor pain. Inclusion criteria:18-35 age, first or second term pregnancy(37-42 weeks),active phase of labor (4-5 cm dilatation), no history of abortion, EP,Mole, chronic or acute illness, infertility, no CPD, have not received any painkiller until four hours before intervention . Exclusion criteria: fetal distress, severe maternal hemorrhage and thick meconium pregnant women in control group underwent the hospital's routine cares.The Pethidine group, after entering into the active phase of labor, received 50 mg intramuscular Pethidine but the injection was no longer repeated.In acupuncture group when entering into the active phase of labor was proved two needles were inserted in LI 4 point (Hegu point) in two hands and in ST-36 point (Zu san li point) in two legs that were disinfected by alcohol.The needles are left in the points for 20 to 30 minutes. Before intervention, using VAS pain ruler, pain severity was measured in three groups and between the contractions. Then thirty minutes after intervention, pain severity was again assessed, and once more it was measured at the end of the first phase at full dilatation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201311157513N9**
Registration date: **2013-12-22, 1392/10/01**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-12-22, 1392/10/01

Registrant information

Name

Hatav Ghasemi Tehrani

Name of organization / entity

Isfahan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 913 113 4081

Email address

tehrani@med.mui.ac.ir

Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Science

Expected recruitment start date

2009-09-10, 1388/06/19

Expected recruitment end date

2010-09-13, 1389/06/22

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of accupuncture effectiveness in comparison with petidin on labour pain and delivery length

Public title

Effectiveness of accupuncture on labour pain

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:18-35 age:first or second term pregnancy(37-42 weeks):active phase of labor (4-5 cm dilatation):no history of abortion, Ep:Mole:chronic or acute illness:infertility: no CPD:have not received any painkiller until four hours before intervention . Exclusion criteria: fetal distress:severe maternal hemorrhage :thick

meconium

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

Gender
Female

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **30**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Isfahan University of Medical Sciences. Etical commitee

Street address
Isfahan medical school-Hezar Jerib St-Azadi Square

City
Isfahan

Postal code
8184851153

Approval date
2010-08-20, 1389/05/29

Ethics committee reference number
81206

Health conditions studied

1

Description of health condition studied
Labor pain

ICD-10 code
R10.2

ICD-10 code description
Pelvic and perineal pain

Primary outcomes

1

Description
Decrease labour pain

Timepoint
Befor and after intervetion and at the end of active phase

Method of measurement
Macgil visual scale

Secondary outcomes

1

Description
Newborn side effects

Timepoint
At birth time

Method of measurement
APGAR score

Intervention groups

1

Description
control group- no intervention

Category
N/A

2

Description
Acupunture group In this group accupanuctur was done at active phase of labour for reduce severity of pain

Category
Prevention

3

Description
petidin group inthis group 50 mg petedin was injected at active phase of labour for reduce labour pain

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Shahid Beheshti Hospital

Full name of responsible person
Hatav Ghasemi Tehrani

Street address
Alzahra Hospital

City
Isfahan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Isfahan University of Medical Science
Full name of responsible person
Hatav Ghasemi Tehrani
Street address
Alzahra Hospital
City
Isfahan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Isfahan University of Medical Science
Proportion provided by this source
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

2

Sponsor
Name of organization / entity
Isfahan University of Medical Science
Full name of responsible person
Hatav Ghasemi Tehrani
Street address
Shahid Beheshti Hospital
City
Isfahan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Isfahan University of Medical Science
Proportion provided by this source
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
Isfahan University of Medical Science
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Person responsible for updating data

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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