Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

The effect ofdifferent point of acupressure on labor pain and length of labor

Protocol summary

Summary

After sample selection, they are given neutral information about the study, and written consent will obtained. The subjects will selected through drawing numbers randomly by researcher and assigning each number to a specific group are dividing into 5 groups:2 acupressure groups(L14 acupressure and SP6 acupressure), 2 touching groups(touching LI4 and SP6 points) and control group(that they are not using any method of pharmacological or non-pharmacological pain relief). In the study methodology the pain intensity in each group will measure with the visual analog scale (VAS) before and after intervention. Then various intervals after the intervention (30 minutes after intervention, 1 h after treatment and every hour until delivery), pain intensity will measure using this tool. In acupressure group the pressure will apply by a trained and registered midwife, who has certification in acupressure method. The pressure will apply bilaterally within each contraction. Prior to the pressure the patient will ask to take a deep breath then applying a rotational and vibration pressure for 60 second then 60 second of rest apply after that, and this cycle to be continue for 30 minutes. Accurate location of the acupoint is confirm if the subjects feel heaviness, pressure, tingling, or numbness in the area or a pleasant feeling and in case of feeling severe pain at the site of pressure, the pressure will interrupt temporarily and will start again after a few minutes. The intensity of the pressure is partially discolored nail bed is painted white. In the touching groups, the same points will touch with the same method.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013112415526N1**
Registration date: **2013-12-14, 1392/09/23**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2013-12-14, 1392/09/23

Registrant information

Name
Fatemeh Dabiri
Name of organization / entity
Hormozgan University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
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Email address
fateme.dabiri@hums.ac.ir

Recruitment status

Recruitment complete

Funding source

Research center for reproductive health & infertility, Hormozgan university of medical sciences

Expected recruitment start date

2013-11-06, 1392/08/15

Expected recruitment end date

2014-11-21, 1393/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect ofdifferent point of acupressure on labor pain and length of labor

Public title

Effect of acupressuer on labor pain

Purpose

Supportive

Inclusion/Exclusion criteria

The inclusion criteria: pregnant women with gestational age of 37-42 weeks with cephalic presentation and 4-5 cm cervical dilatation in active phase of spontaneous onset of labor; singleton pregnancy, with no history of medical disease, history of infertility, previous pelvic surgery, cesarean section; lack of any problem during present gestation; rupture of membranes over 6 hours; presence of meconium in the amniotic fluid; inappropriate pelvic; taking narcotic within the past 8 hours; over 8 cm cervical dilatation, and any fetal distress. If a subject requires undergoing caesarean section or needing for labor augmentation with oxytocin, or don't like to continue, will exclude from the study.

Age

From **18 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **250**

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

Department of resrarch and tecnology,Hormozgan universiry of medical sciences

Street address

Shahid mohamadi hospital

City

Bandar Abbas

Postal code

Approval date

2011-09-23, 1390/07/01

Ethics committee reference number

HEC/90/5/6

Health conditions studied

1

Description of health condition studied

labor pain

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

pain relife

Timepoint

Before and after intervention. Then various intervals after the intervention (30 minutes after intervention, 1 h after treatment and every hour until delivery),

Method of measurement

Visual analog scale

Secondary outcomes

1

Description

lenght of labor

Timepoint

first & second stage of labor

Method of measurement

minute

Intervention groups

1

Description

there are 2 intervention groups: one of them is : LI4 acupressure that located between the skin of the thumb and the index finger where the joints located at metacarpal bone of the thumb and index finger the pressure will apply bilaterally within each contraction(in 1st stage of active phase of labor)for 60 . second then 60 second of rest will apply after that, and this cycle will be continue for 30 minutes . Then before intervention various and intervals after the intervention, pain intensity will be measure

Category

Other

2

Description

in SP6 acupressure group that located 4 finger above the inner tibia of leg,pressure will apply bilaterally within each contraction(in 1st stage of active phase of labor)for 60 second then 60 second of rest will apply after that, and this cycle will be continue for 30 minutes . Then before intervention various and intervals after the intervention, pain intensity will be meas

Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Dr Shariati hospital
Full name of responsible person
Street address
City
Bandar Abbas

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for research, Hormozgan university of medical sciences
Full name of responsible person
Research center for reproductive health & infertility,
Street address
Eastern angel of Shahid mohamadi hospital,jomhoori Islami BLV,Bandar abbas
City
Bandar Abbas
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice Chancellor for research, Hormozgan 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
Homozgan university of medical sciences
Full name of responsible person
Fateme Dabiri
Position
MSc, faculty member
Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact
Name of organization / entity
Hormozgan University of Medical Sciences
Full name of responsible person
Arefeh shahi
Position
m.s degreee- faculty member
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Fax
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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