

Clinical Trial Protocol

Iranian Registry of Clinical Trials

12 Jul 2026

The effect of acupressure on LI4 point on duration of active phase of labour

Protocol summary

Study aim

The effect of acupressure on the LI4 point on the completion of the labor process and the active phase of labor

Design

A randomized controlled trial , 60 subjects (30 in each group)

Settings and conduct

Mashhad, Um al-Banin's Hospital, Satisfaction of participation in the project, filling in the demographic information questionnaire, randomized categorization into two groups

Participants/Inclusion and exclusion criteria

Satisfaction of the company in the design, age 18-35, 37-41 weeks of pregnancy, first to third pregnancy, 5-4 cm cervical dilatation, onset of self-perception, cephalopelvic fitness, no previous risk factors for pregnancy and childbirth, no previous cesarean section , Lack of addiction and dependence on substance or drug, lack of acupressure, health of the LI4 region in terms of burn, injury, sensitivity and irritability, with a single fetus with cephalic and anthiur status: use of chemical and herbal medicines in the last 24 hours and high risk pregnancies

Intervention groups

In the intervention group, pressure on the LI4 point begins simultaneously with the onset of uterine contraction and lasts for one minute. 5 pressure periods are performed on the LI4 point per minute; Each period lasts 10 seconds and then 2 seconds rest and then the next period begins In the control group, acupressure is not used

Main outcome variables

Cervical dilatation before and after intervention, every 120 minutes until the third stage of labor begins

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180411039264N1**

Registration date: **2019-02-10, 1397/11/21**

Registration timing: **registered_while_recruiting**

Last update: **2019-02-10, 1397/11/21**

Update count: **0**

Registration date

2019-02-10, 1397/11/21

Registrant information

Name

maryam shariatjafari

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 51 3802 2608

Email address

shariatjm951@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-10-23, 1397/08/01

Expected recruitment end date

2019-03-21, 1398/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of acupressure on LI4 point on duration of active phase of labour

Public title

The effect of acupressure on the course of labour

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Satisfaction of the company in the design Aged 18-35 gestational age 37-41 Pregnancy first to third 5-4 cm cervical dilatation with onset Proportion of cephalopelvic Lack of previous risk factors for pregnancy and childbirth No previous cesarean section Lack of addiction and substance or drug dependence Lack of acupressure experience The health of the LI4 region for burn, injury, sensitivity and irritability Embryo unit with cephalo anterior status.

Exclusion criteria:

Use of chemical and herbal medicines in the last 24 hours high risk pregnancy

Age

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

Gender

Female

Phase

3

Groups that have been masked

- Participant
- Investigator
- Data analyser

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Simple randomization Random unit: Individual Randomization Tool: Packed Envelopes How to create a random sequence: computer software Hiding: The envelopes containing the grouping type (intervention and control group) are prepared according to the random allocation list by a person outside the plan and numbered accordingly. . The envelope is provided to the trained midwife, for each mother, a pocked will be opened to determine which mother is in the group

Blinding (investigator's opinion)

Double blinded

Blinding description

The envelopes containing the grouping type (intervention and control group) are prepared according to the random allocation list by someone outside the plan and numbered accordingly. The envelope is provided to trained midwife, for each mother, a pocked will be opened in order to determine which mother is in the group. Since the outcome evaluator is the midwife of the patiente, the investigator and the data analyzer are unaware of the outcome and are not involved in the registration and evaluation of the outcome.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

•Ethics committee of Mashhad University of Medical Sciences

Street address

Imam Reza Hospital, Imam Reza Square

City

Mashhad

Province

Razavi Khorasan

Postal code

9137913316

Approval date

2017-12-20, 1396/09/29

Ethics committee reference number

IR.MUMS.FM.REC.1396.614

Health conditions studied

1

Description of health condition studied

pregnancy

ICD-10 code

O00.0

ICD-10 code description

Abdominal pregnancy

Primary outcomes

1

Description

Active phase length of labor

Timepoint

The beginning of the active phase (before the intervention).Every 2 hours until delivery

Method of measurement

touche vaginal

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Pressing the LI4 point that is the point behind The hand between the first and second metacarpal bones and at the midpoint of the bone of the second metacarpal and close to the radius bone At the onset of the active phase of labor with a cervical

dilatation of 5-4 cm, the pressure period At the same time, the uterine contraction begins and lasts for one minute.5 pressure cycles at the LI4 point per minute; each period lasts 10 seconds And then 2 seconds rest is ahead, and then the next period begins. This cycle continues until the birth of the baby

Category

Treatment - Other

2**Description**

Control group: Acupressure is not used in them

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Omalbanin hospital

Full name of responsible person

Salmeh Dadgar

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No16, Ayatollah Bahjat Ave

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Tafaghodi Mohsen

Street address

Deputy of Research and Technology .,Mashhad
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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

Mashhad University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Dadgar Salameh

Position

Assistant Professor of obstetrics and gynecology

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

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Person responsible for scientific inquiries**Contact****Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Dadgar Salameh

Position

Assistant Professor of obstetrics and gynecology

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

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Person responsible for updating data

Contact

Name of organization / entity
Mashhad University of Medical Sciences
Full name of responsible person
Maryam Shariatjafari
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Postal code

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available