Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparisson the effecte of acupressure on two sanynjiao (SP-6) & jianjing(GB-21) in the labor pain intensity,duration of labor, the intrapartum outcome in nulliparous women refered to selected hospital in Shiraz 2011.

Protocol summary

Summary

Abstract: Introduction: The propensity of using non-medicinal methods of relieving labor pain is increasing. The object of this study is to compare the influence of Acupressure at two GB-21 and SP-6 points on the labor output. Methods: In this quasi-experimental study 250 primiparous women were divided by random allocation method into 5 groups: acupressure at GB-21 point in mono-stage; acupressure at GB-21 inbi-stage;, acupressure at SP-6 point in mono-stage; acupressure at SP-6 point in bi-stage and control group, only contact at two points. The intervention was carried out for a period of 20 minutes. The pain severity was evaluated before, immediately, 30 and 60 minutes after intervention using Visual Analog Pain Scale (VAS). The duration of active phase and 2nd stage of delivery, delivery type and the APGAR of 1st and 5th minutes of neonate was compared in groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201108037217N1**
Registration date: **2011-09-25, 1390/07/03**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-09-25, 1390/07/03

Registrant information

Name

Marzieh Akbarzadeh

Name of organization / entity

Shiraz University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 71 1647 4250

Email address

moradiza@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for research, Shiraz University of Medical Science

Expected recruitment start date

2010-11-06, 1389/08/15

Expected recruitment end date

2011-06-20, 1390/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparisson the effecte of acupressure on two sanynjiao (SP-6) & jianjing(GB-21) in the labor pain intensity,duration of labor, the intrapartum outcome in nulliparous women refered to selected hospital in Shiraz 2011.

Public title

Effect of acupressure on labor pain

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: 1. Nulliparous women aged 18- 35

years and 37 to 41 weeks gestational age singleton and cephalic fetus. 2- Women in the active phase of labor (4-3 cm dilatation) or before. 3- Failure to develop mental and anatomical disorders (psychosis, schizophrenia, abnormalities of uterine and pelvic stenosis).4- Lack of chronic diseases (heart disease, pulmonary hypertension, and diabetes).5- Lack of high-risk pregnancy (gestational hypertension, decreased fetal movements, intrauterine growth restriction, fetal death, and polyHydramnious oligohydramnious recognized by ultrasound, rupture of membranes more than 12 hours, history of infertility). 6 - The literacy level of secondary school. 7 - No risk of skin ailments like eczema and skin infections, are the limitations of acupressure. .8 -no use of oxytocin to induce and strengthen labor. Physically healthy and do not have any limit for the intervention (pre-eclampsia, seizures, premature rupture of membranes, etc.). 10 - Written consent form must be filled. 11- Prior entering the study do not used any of other methods for anesthesia. Exclusion criteria: using oxytosin and every maternal or fetal factor that cause cesarean section

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

Gender
Female

Phase
1-2

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
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Shiraz university of medical science

Street address
Zand street, Shiraz University of Medical science

City
Shiraz

Postal code

Approval date
2010-11-06, 1389/08/15

Ethics committee reference number
5259-89

Health conditions studied

1

Description of health condition studied
labor pain

ICD-10 code
xv o00-o99

ICD-10 code description
Pregnancy, childbirth and the puerperium

Primary outcomes

1

Description
Labor pain

Timepoint
Before intervention, Immidietly, 30 minuts and 60 minuts after intervention

Method of measurement
Visual Analog Scale

Secondary outcomes

1

Description
Duration of active phase of labor

Timepoint
After the end of active phaz

Method of measurement
Measuring the time duration

2

Description
Duration of second stage of labor

Timepoint
After delivery

Method of measurement
Measuring the time duration

3

Description
Delivery type

Timepoint
After delivery

Method of measurement
Number of vaginal delivery and cesarean section

4

Description
Neonatal Apgar

Timepoint
1st and 5th minutes after delivery

Method of measurement

Apgar number

Intervention groups

1

Description
Acupressure at GB-21 in 3-4 and 7-8 cm dilatation for 20 min in each time and assessing Labor pain before, immediately after the intervention,30 and 60 minutes after the intervention.
Category
Other

2

Description
Acupressure at GB-21 in 3-4 cm dilatation and assessing labor pain before,immediatly,30 and 60 min after the intervention
Category
Other

3

Description
Acupressure at SP-6 in 3-4 cm dilatation and assessing labor pain before,immediatly,30 and 60 min after the intervention
Category
Other

4

Description
Acupressure at SP-6in 3-4 and 7-8 cm dilatation for 20 min in each time and assessing Labor pain before, immediately after the intervention,30 and 60 minutes after the intervention.
Category
Other

5

Description
Control group: Tuching GB-21 in 3-4 and SP-6 in 7-8 cm dilatation for 20 min in each time and assessing Labor pain before, immediately after the intervention,30 and 60 minutes after the intervention.
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Hafez Hospital
Full name of responsible person
Street address
City
Shiraz

2

Recruitment center
Name of recruitment center
Shushtari Hospital
Full name of responsible person
Street address
City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shiraz University of Medical Science
Full name of responsible person
Gholamreza Hatam
Street address
Zand street
City
Shiraz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shiraz University of Medical Science
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
Shiraz University of Medical Sciences
Full name of responsible person
Marzieh Akbarzadeh
Position
Msc in midwifery
Other areas of specialty/work
Street address
Shiraz nursing and midwifery schiil, Nemazi squre
City
Shiraz
Postal code
Phone
+98 917 715 0234
Fax

Email
Akbarzadehmarzieh@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Shiraz Unsity of Medical Sciencei
Full name of responsible person
Marzieh Akbarzadeh
Position
Msc in Midwifery
Other areas of specialty/work
Street address
School of Nursing and Midwifery, Nemazi Squere
City
Shiraz
Postal code
Phone
+98 917 715 0234
Fax
Email
Akbarzadehmarzieh@yahoo.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Fasa University of Medical Sciences
Full name of responsible person
Zahra Moradi
Position
Msc in Midwifery /Officer
Other areas of specialty/work
Street address
Fasa University of Medical Sciences, Ebnesina Squre,
City
Fasa
Postal code
Phone
Fax
Email
moradizahra13@yahoo.com
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