Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison the effect of supportive care for the mother and acupressure (point BL32) on the length of labor and neonate APGAR

Protocol summary

Summary

This study is a randomized clinical trial on 150 women who had referred to Shoushtari hospital, Shiraz, Iran and compare the effect of supportive care for the mother and acupressure (point BL32) on the length of labor and neonate APGAR is discussed. After obtaining informed consent, eligible women were allocated randomly into three groups (two experimental groups and one control group). The first group, the intervention was that the researcher was beside the mother since her entrance into the department until the birth, and emotional support during labor, including touching and massaging mother with love, confidence and reassurance and information and physical support such as help to change the situation her mother during labor to provide. In the second group, in 3-4 and 7-8cm dilatation, the mother was placed in a proper position and BL32 point was pressed. The pressure was continuously and gently applied by both thumbs for 20 minutes. It was applied by the beginning and stopped at the end of the contractions. On the other hand, the control group only received the department's routine care. In all groups, after intervention length the first and second stage of labor and APGAR score were measured and compared.

General information

Acronym

point BL32: bladder 32

IRCT registration information

IRCT registration number: **IRCT2014021211706N6**

Registration date: **2014-02-14, 1392/11/25**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-02-14, 1392/11/25

Registrant information

Name

Zahra Masoudi

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 1235 7282

Email address

masoudi_z@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Research Center for Traditional Medicine and History Of Medicine

Expected recruitment start date

2013-09-15, 1392/06/24

Expected recruitment end date

2014-01-14, 1392/10/24

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of supportive care for the mother and acupressure (point BL32) on the length of labor and neonate APGAR

Public title

The impact of supportive care for the mother and acupressure (point BL32) on the length of labor and neonate APGAR

Purpose

Supportive

Inclusion/Exclusion criteria

The inclusion criteria of the study were gestational age of

37-41 weeks based on the date of the last menstrual cycle or first and second trimester ultrasound; first or second pregnancy; being between 18 and 35 years old; single pregnancy; head presentation; lack of obvious chromosomal abnormalities and fetal anomalies; not using any special drugs during pregnancy and having at least middle school degree. On the other hand, the exclusion criteria of the study were maternal diabetes; growth restriction; Rh incompatibility; history of smoking; history of tobacco use; preeclampsia; oligohydramnios; placenta previa; placental abruption; thick meconium; suffering from any physical or mental disorder and receiving any kind of medication including pethidine, hyoscine, oxytocin, and atropine.

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: **150**

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
Ethics in Medical Research, Shiraz University of Medical Sciences

Street address
Deputy of Research_Floor 7_Shiraz University of Medical Sciences of Central Building_Zand Avenue_Shiraz

City
Shiraz

Postal code
71345-1978

Approval date
2013-09-15, 1392/06/24

Ethics committee reference number
CT_P_92_4985

Health conditions studied

1

Description of health condition studied
The length of labor

ICD-10 code
O63.9

ICD-10 code description
Long labour, unspecified

Primary outcomes

1

Description
The length of labor

Timepoint
During and after intervention

Method of measurement
Diagram progress of labor

2

Description
APGAR score of neonates

Timepoint
After the childbirth

Method of measurement
The APGAR score table

Secondary outcomes

empty

Intervention groups

1

Description
The first group: supportive care, the intervention was that the researcher was beside the mother since her entrance into the department until the birth, and emotional support during labor, including touching and massaging mother with love, confidence and reassurance and information and physical support such as help to change the situation her mother during labor to provide.

Category
Treatment - Other

2

Description
In the second group, in 3-4 and 7-8cm dilatation, the mother was placed in a proper position and BL32 point was pressed.The pressure was continuously and gently applied by both thumbs for 20 minutes. It was applied by the beginning and stopped at the end of the contractions.

Category
Treatment - Other

3

Description
The control group only received the department’s routine care and underwent no interventions.
Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Shoushtari hospital
Full name of responsible person
Andishe Jorkesh
Street address
Shoushtari hospital_Corner of Hong
City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research Center for Traditional Medicine and History Of Medicine
Full name of responsible person
Dr. Alireza Salehi
Street address
Shiaz_ Medical School_Karimkhan Zand St
City
Shiraz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Research Center for Traditional Medicine and History Of Medicine
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 Science
Full name of responsible person
Mazieh Akbarzadeh
Position
Master of Midwifery, Faculty Member
Other areas of specialty/work
Street address
Fatemeh(P.B.U.H)School Of Nursing & Midwifery Shiraz_Iran
City
Shiraz
Postal code
713451978
Phone
+98 71 1647 4252
Fax
Email
akbarzadehmarzieh@yahoo.com
Web page address
www.sums.ac.ir

Person responsible for scientific inquiries

Contact
Name of organization / entity
Shiraz Medical School
Full name of responsible person
Dr. Maryam Kasraeian
Position
Expert Of Obstetricians and Gynecologists_Fellow Ship Of Perinatology_Assistant Professor
Other areas of specialty/work
Street address
Department Of Obestetrics And Gynecology_Medical School_Shiraz
City
Shiraz
Postal code
713451978
Phone
+98 71 1627 6411
Fax
Email
kasraeem@sums.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Shiraz University of Medical Science
Full name of responsible person
Zahra Masoudi
Position
Master student of midwifery
Other areas of specialty/work
Street address
Fatemeh (P.B.U.H) School Of Nursing & Midwifery_Shiraz
City
Shiraz
Postal code
7193613119

Phone
+98 71 1235 7282
Fax
Email
z.masoudi2007@yahoo.com;
z.masoudi85@gmail.com; masoudi_z@sums.ac.ir
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