

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

The effect of prenatal preparation for childbirth courses on pain intensity, second stage duration of labor in primiparous women referred to Motazedi hospital of Kermanshah,2010

Protocol summary

Summary

Increase of pain intensity and labor duration has adverse effects on mother and fetus. Lack of prenatal preparation courses in pregnant women increase complications and medical interventions for mother and fetus. Taking part in these courses can solve these problems. This clinical experimental trial study was designed on 136 primiparous women who referred to Motazedi Hospital in Kermanshah in 2009. Samples include primiparous women without any medical and midwifery complications that will participate in the study from 20 weeks of pregnancy. They will be randomly divided to experimental and control groups. Mothers in experimental group will be trained in 8 sessions (each session last 90 minutes)while those in control group will receive routine care only. The collected data will analyze. Pain intensity, second stage duration of labor will compare between two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105286618N1**
Registration date: **2011-07-21, 1390/04/30**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-07-21, 1390/04/30

Registrant information

Name

Marzieh Sfandary

Name of organization / entity

Kermanshah university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 1828 2101

Email address

sfandarymarzieh@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kermanshah university of medical sciences

Expected recruitment start date

2011-04-27, 1390/02/07

Expected recruitment end date

2012-04-26, 1391/02/07

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of prenatal preparation for childbirth courses on pain intensity, second stage duration of labor in primiparous women referred to Motazedi hospital of Kermanshah,2010

Public title

The effect of prenatal preparation for childbirth courses on labor process

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Primiparous women and gestational age more than 20 week Exclusion criteria: Medical and midwifery complications such as threatened abortion, multiple pregnancy, bleeding, hypertension,PROM and preterm labor

Age
No age limit
Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **136**

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

Kermanshah university of medical sciences

Street address

Department2, SHahid beheshty street

City

Kermanshah

Postal code

Approval date

2011-04-27, 1390/02/07

Ethics committee reference number

4941/ 420 / 7 / پ

Health conditions studied

1

Description of health condition studied

Delivery

ICD-10 code

080.0

ICD-10 code description

Spontaneous vertex delivery

Primary outcomes

1

Description

Pain intensity

Timepoint

After intervention and after delivery

Method of measurement

Visual analog scale

2

Description

Duration of second stage of labor

Timepoint

After intervention and during delivery

Method of measurement

Minute

Secondary outcomes

empty

Intervention groups

1

Description

Mothers in experimental group (n=68) will be trained in 8 sessions (each session last 90 minutes that includes 45 minutes theoretical subjects, 15 minutes of discussion and 30 minutes of stretching and breathing exercises and position improving). Tools include information form and visual analog scale. The collected data will analyze. Pain intensity, second stage duration of labor will be measured in experimental group during delivery.

Category

Prevention

2

Description

Mothers in control group will just receive routine prenatal care without any intervention. then Pain intensity, second stage duration of labor will be measured in control group during delivery.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Motazedi Hospital

Full name of responsible person

Sfandyari Marzieh, Midwifery MSc

Street address

Ferdosi Sq, Kermanshah

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Financial Unit
Street address
DEPARTMENT1, SHAHID BEHESHTI STREET
City
Kermanshah
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Kermanshah 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
Kermanshah University of Medical Sciences
Full name of responsible person
Sfandiary Marzieh
Position
Midwifery MSc
Other areas of specialty/work
Street address
MIDWIFERY AND NURSING UNIVERSITY, EISAR SQUARE, KERMANSHAH
City
Kermanshah
Postal code
Phone
+98 83 1828 2101
Fax
Email
sfandiarymarzieh@yahoo.comsfandiarymarzieh@kum s.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Kermanshah University of Medical Sciences

Full name of responsible person
Sfandiary Marzieh
Position
Midwifery MSc
Other areas of specialty/work
Street address
UNIVERSITY OF MIDWIFERY AND NURSING, Eisar Sq
City
Kermanshah
Postal code
Phone
+98 83 1828 2101
Fax
Email
sfandiarymarzieh@yahoo.comsfandiarymarzieh@kum s.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Sfandiary Marzieh
Position
Midwifery MSc
Other areas of specialty/work
Street address
UNIVERSITY OF MIDWIFERY AND NURSING, EISAR SQUARE
City
Kermanshah
Postal code
Phone
Fax
Email
sfandiarymarzieh@yahoo.comsfandiarymarzieh@kum s.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