

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

Effects of fast beat music on labor

Protocol summary

Summary

This randomized clinical trial was conducted to evaluate whether use of music could reduce labor pain. Between 2013 and 2014, a total of 140 women at 37 weeks or greater with spontaneous labor that had not conterandication of vaginal delivery were randomized to music and control groups. Fast music without words was played for M grou. Routine cares were used for control group. Labor pain was assessed on a visual analogue scale (VAS) at beginning of the active phase and then every 1 hour. Duration of active phase of labor and route of delivery were recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201306108151N5**

Registration date: **2013-06-24, 1392/04/03**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-06-24, 1392/04/03

Registrant information

Name

Ladan Ajori

Name of organization / entity

Shahid beheshti university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2218 1694

Email address

ajori@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahid Beheshti University of Medical Science

Expected recruitment start date

2013-06-22, 1392/04/01

Expected recruitment end date

2014-12-22, 1393/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of fast beat music on labor

Public title

Effects of music on labor

Purpose

Treatment

Inclusion/Exclusion criteria

The inclusion criteria are: gestational age between 37 and 42 weeks; singleton pregnancy ;estimated fetal weight between 2500 and 4000 geram; normal fetal heart rate; cephalic presentation; spontaneous onset of labor. The exclusion criteria are: using analgesics and opium within 48 hours before admission; previous cesarean section; conterandications of vaginal delivery; indications of induction or stimulation of labor; psychological disorders ; hearing loss and indications of emergency termination of pregnancy.

Age

From **18 years** old to **40 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **140**

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**

Shahid Beheshti University of Medical Science

Street address

Yaman street, Chamran highway

City

Tehran

Postal code**Approval date**

2011-10-03, 1390/07/11

Ethics committee reference number

90-1-11282

Health conditions studied**1****Description of health condition studied**

labor

ICD-10 code

O63

ICD-10 code description

long labour

Primary outcomes**1****Description**

duration of active phase

Timepoint

from 4 centimeter dilatation of cervix to full dilatation

Method of measurement

minutes

Secondary outcomes**1****Description**

cesarean rate

Timepoint

at the last of study

Method of measurement

hospital documents

2**Description**

labor pain

Timepoint

at the begining of active phase and then every 1 hour

Method of measurement

VAS score

3**Description**

maternal complications

Timepoint

at the last of study

Method of measurement

hospital documents

4**Description**

fetal complications

Timepoint

at the last of study

Method of measurement

hospital documents

5**Description**

neonatal Apgar

Timepoint

first and fifth minutes after birth

Method of measurement

Apgar score

Intervention groups**1****Description**

fast music (intervention group)

Category

Treatment - Other

2**Description**

standard care

Category

Other

Recruitment centers**1****Recruitment center**

Name of recruitment center

Shohada Tajrish Hospital
Full name of responsible person
Leila Nazari
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shahid Beheshti University of Medical Science
Full name of responsible person
Seyyed Jalaedin Khoshnevis
Street address
Shohada Tajrish Hospital
City
Tehran

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Shahid Beheshti 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
Shahid Beheshti University of Medical Science
Full name of responsible person
Leila Nazari
Position
Gynecologist
Other areas of specialty/work
Street address
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Person responsible for scientific inquiries

Contact

Name of organization / entity
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Ladan Ajori
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Associated professor
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Person responsible for updating data

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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