Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effects of fast and slow music on pain and duration of labor: a randomized clinical trial

Protocol summary

Summary

This randomized clinical trial was conducted to evaluate whether use of music could reduce the duration of labor. Between 2010 and 2011, a total of 99 women at 38 weeks or greater with spontaneous labor that had not conterandication of vaginal delivery were randomized to fast music, slow music and control groups.Music therapy was used with active phase.Routine cares were used for all groups. 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 was recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201210138151N3**
Registration date: **2012-10-29, 1391/08/08**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2012-10-29, 1391/08/08

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

2010-01-30, 1388/11/10

Expected recruitment end date

2011-01-30, 1389/11/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of fast and slow music on pain and duration of labor: a randomized clinical trial

Public title

Effects of music on pain and duration of labor

Purpose

Treatment

Inclusion/Exclusion criteria

The inclusion criteria were cephalic presentation; spontaneous onset of labor; normal pattern of fetal heart rate. The exclusion criteria were intrauterine growth restriction; suspected macrosomia; previous cesarean section or incision of the uterus; multiple pregnancy; malformation of pelvis; psychological disorders; hearing loss, substance abuse; using analgesics within 48 hour before admission and indications of emergency termination of pregnancy by induction of labor or cesarean section.

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: **99**

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

Shahid Cahmran highway, Yaman street

City

Tehran

Postal code

Approval date

2009-09-23, 1388/07/01

Ethics committee reference number

196-88

Health conditions studied

1

Description of health condition studied

pain and duration of labor

ICD-10 code

O63

ICD-10 code description

Long labour

Primary outcomes

1

Description

LABOR PAIN

Timepoint

at the begining of active phase and then every 1 hour

Method of measurement

VAS score

2

Description

duration of active phase

Timepoint

from begining of active phase of labor to full dilatation of cervix

Method of measurement

minutes

Secondary outcomes

1

Description

cesarean rate

Timepoint

at the last of study

Method of measurement

hospital documents

2

Description

maternal complications

Timepoint

at the last of study

Method of measurement

history and physical exam

3

Description

fetal complications

Timepoint

at the last od study

Method of measurement

physical exam

4

Description

neonatal Apgar

Timepoint

first and fifth minutes of birth

Method of measurement

Apgar score

Intervention groups

1

Description

fast music - three hours from onset of active phase

Category

Treatment - Other

2

Description

slow music - three hours from onset of active phase

Category

Treatment - Other

3

Description
without music (control group)
Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Tajrish hospital
Full name of responsible person
Ladan Ajori
Street address
Tajrish square
City
Tehran

2

Recruitment center
Name of recruitment center
Mahdiyeh hospital
Full name of responsible person
Shabnam Marefat
Street address
Shoosh square
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shahid Beheshti University of Medical Science
Full name of responsible person
Seyyed Jalaleddin Khoshnevis
Street address
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
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Person responsible for updating data

Contact
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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