

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

26 Jun 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

##### Full name of responsible person

Leila Nazari

##### Position

Gynecologist

##### Other areas of specialty/work

##### Street address

Tajrish hospital

##### City

Tehran

##### Postal code

##### Phone

+98 21 2271 8006

##### Fax

+98 21 2218 1693

##### Email

leynaz@yahoo.com

##### Web page address

### Person responsible for scientific inquiries

#### Contact

##### Name of organization / entity

Shahid Beheshti University of Medical Science

##### Full name of responsible person

Ladan Ajori

##### Position

Gynecologist

##### Other areas of specialty/work

##### Street address

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ajori@sbmu.ac.ir

##### Web page address

### Person responsible for updating data

#### 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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leynaz@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*