

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Evaluation of the effect of Iranian traditional music on duration of labor among pregnant women aged 20-35 years old

Protocol summary

Study aim

effect of Iranian traditional music on duration of progress of labor according to dilation of cervix from 4cm to full dilation in term pregnancy

Design

Non randomized clinical trial with control group; simple sampling; sample size:100

Settings and conduct

Samples would be chosen from 20 to 35 year old, 2nd or 3rd gravid women with term pregnancy who come to Jahrom Motahari hospital in 2018. At the beginning of every 2 hour period music will be played for cases at least for 10 minutes (maximally for 30 min if the patient wants) by a sound player and at the end of each period data such as maternal vital signs, fetal heart rate, signs of labor progress and pain score and anxiety score will be recorded. No intervention will be done for control group.

Participants/Inclusion and exclusion criteria

Inclusion criteria: 20 to 35 years old women; gravid 2 or 3 with term pregnancy; admitting to Motahari hospital of Jahrom in 2018; gestational age of 37 to 40 weeks; patients desire to participate in the study; low risk pregnancy. Non Inclusion criteria: hearing or speaking disability; medical or psychiatric underlying disease; effective-on-labor chemical or herbal drug consumption in last 24 hours

Intervention groups

Intervention group: music therapy would be done for cases at least for 10 minutes (maximally for 30 min if the pregnant woman wants) and at the end of each period, data will be recorded in the checklist. Control group: no intervention will be done for control group

Main outcome variables

progress of labor based on parkland protocol

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20150407021653N17**
Registration date: **2019-01-20, 1397/10/30**
Registration timing: **registered_while_recruiting**

Last update: **2019-01-20, 1397/10/30**

Update count: **0**

Registration date

2019-01-20, 1397/10/30

Registrant information

Name

Athar Rasekh Jahromi

Name of organization / entity

Jahrom University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 5432 6602

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a.rasekh@jums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-12-20, 1397/09/29

Expected recruitment end date

2019-02-18, 1397/11/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of Iranian traditional music on duration of labor among pregnant women aged 20-35

years old

Public title

effect of iranian music on progress of labor

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

20 to 35 years old ladies with gestational age of 37 to 40 weeks(term pregnancy)

Exclusion criteria:

history of medical or psychiatric underlying disease high risk pregnancy hearing or speech disability chemical or herbal drug consumption in past 24 hours(if effective on labor)

Age

From **20 years** old to **35 years** old

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Not 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 committee of Jahrom University of Medical Sciences

Street address

motahari BLV , Jahrom University of Medical Sciences

City

jahrom

Province

Fars

Postal code

4619974148

Approval date

2018-07-31, 1397/05/09

Ethics committee reference number

IR.JUMS.REC.1397.044

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

progress of labor

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

progress of labor

Timepoint

each 2 hours

Method of measurement

Digital vaginal exam and labor progress based on parkland protocol

2**Description**

pain score

Timepoint

each 2 hours

Method of measurement

Wong-baker pain scale: based on facial grimace and interfering with activity

3**Description**

Anxiety scaling

Timepoint

EACH 2 HOURS

Method of measurement

zong anxiety scaling SAS

Secondary outcomes

empty

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

Intervention group: 20 to 35 ladies with term pregnancy who came to Jahrom Motahari hospital will receive music therapy (Bapir by Hosein Alizade and Golden Dreams by Javad Maroufi) by a sound player for at least 10 minutes at the beginning of each 2 hour period. If the patient is satisfied by the listening to the music, it will be continued until 30 minutes.

Category

Rehabilitation

2**Description**

Control group: these women receive no intervention
Category
N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
Motahari Hospital
Full name of responsible person
Dr Athar Rasekh Jahromi
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Motahari hospital, Motahari Blvd, Jahrom, Fars, Iran
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Jahrom University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding

empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Jahrom University of Medical Sciences
Full name of responsible person
Doctor Athar Rasekh Jahromi
Position
Obstetrician and gynecologist
Latest degree
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Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available