Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

evaluation of the effect of nipple stimulation in pregnant women admitted with labor pain in latent phase

Protocol summary

Study aim
Comparison of duration of latent and active phase of labor in women with and without nipple stimulation.
Design
randomization method is block randomization. the midwife who admits the patient writes the number in admit sheet and being in case or control group is determined with the resident.
Settings and conduct
the study will take place in Alzahra and Taleghani hospital of Tabriz
Participants/Inclusion and exclusion criteria
Term pregnant women with labor pain and cervical dilatation less than 3 centimeters.
Intervention groups
pregnant women in case group do nipple stimulation when they do not have uterine contraction , each stimulation lasts 3- minute and stimulates nipples intermittently
Main outcome variables
duration of active phase; duration of latent phase

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20190304042912N1**
Registration date: **2019-07-13, 1398/04/22**
Registration timing: **registered_while_recruiting**

Last update: **2019-07-13, 1398/04/22**
Update count: **0**
Registration date
2019-07-13, 1398/04/22

Registrant information
Name
sanaz moosavi
Name of organization / entity
Country
Iran (Islamic Republic of)
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+98 41 3553 9161
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musevis@tbzmed.ac.ir

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2019-07-06, 1398/04/15
Expected recruitment end date
2019-08-22, 1398/05/31
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
evaluation of the effect of nipple stimulation in pregnant women admitted with labor pain in latent phase

Public title
evaluation of the effect of nipple stimulation in pregnant women admitted with labor pain in latent phase
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
pregnant term with labor pain cervical dilatation less than 3 cm
Exclusion criteria:
previous cesarean preeclampsia chorioamnionitis multifetal gestation macrosom fetus iugr fetus poly hydramnios
Age

From **16 years** old to **40 years** old

Gender

Female

Phase

N/A

Groups that have been masked

- Outcome assessor
- Data analyser

Sample size

Target sample size: **95**

Randomization (investigator's opinion)

Randomized

Randomization description

block randomization

Blinding (investigator's opinion)

Single blinded

Blinding description

Evaluator of outcome and person who analyses are blind of intervention and group of patients.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

ethics comittee of tabriz university of medical sciences

Street address

Tabriz university of medical sciences, golgasht Ave, Tabriz , Iran

City

tabriz

Province

East Azarbaijan

Postal code

5157815343

Approval date

2019-06-05, 1398/03/15

Ethics committee reference number

5/62/2743/د

2

Ethics committee

Name of ethics committee

ethics committee of department of obstetrics and gynecology in tabriz

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Alzahra hospital, Artesh Ave, Tabriz , Iran

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Approval date

2019-03-01, 1397/12/10

Ethics committee reference number

5622743

Health conditions studied

1

Description of health condition studied

duration of labor

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

duration of latent phase

Timepoint

after intervention and delivery

Method of measurement

patient chart

Secondary outcomes

1

Description

duration of acute phase of labor

Timepoint

after intervention and delivery

Method of measurement

patient chart

Intervention groups

1

Description

Intervention group: nipple stimulation

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Alzahra hospital, Taleghani hospital

Full name of responsible person

SANAZ MOUSAVI

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Alzahra hospital, Artesh Ave.

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Sponsors / Funding sources

1

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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
No
Title of funding source
Tabriz 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
Tabriz University of Medical Sciences
Full name of responsible person
SANAZ MOUSAVI
Position
assistant professor
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Person responsible for updating data

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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
No - There is not a plan to make this available
Informed Consent Form
No - There is not 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
Not applicable