

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Study the effect of massage therapy on Labor process & Outcomes of fetus

Protocol summary

Summary

This study aimed to determine the effects of massage therapy on pain of labor, and its effect on pregnancy outcomes in nulliparous women was conducted on 66 pregnant mother. The intervention group (n = 33) under Petrissage massage (Peterissage) in the active phase of labor, dilatation of 4 cm and 8 cm in three stages and 10 cm, were in the back. The control group (n = 33) received only routine care nursing. In both physiological parameters and anthropometric measures and breast pain intensity at baseline were recorded. Also in the active phase in the intervention group and the control group after 30 minute massage routine after the pain was measured and the results were analyzed by t-test and SPSS16 software. Inclusion criteria: nulliparous women; age range 35-20 years age Hamlgy42-39 weeks, singleton, cephalic presentation, estimated fetal weight 4000-2500 g; bags of clean water, lack of drug addiction, lack of medical problems and psychological; the absence of contraindications for massage, onset of labor suits. Exclusion criteria: the reluctance of mothers to continue to participate in the scheme; anything that the mother undergoing cesarean section.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015090723934N1**

Registration date: **2015-09-20, 1394/06/29**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-09-20, 1394/06/29

Registrant information

Name

Tayebe Golchin

Name of organization / entity

Arak University of Medical Sceinces

Country

Iran (Islamic Republic of)

Phone

+98 86334172517

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Recruitment status

Recruitment complete

Funding source

Deputy Minister for Research and Technology, Arak University of Medical Sciences

Expected recruitment start date

2014-02-24, 1392/12/05

Expected recruitment end date

2015-07-27, 1394/05/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study the effect of massage therapy on Labor process & Outcomes of fetus

Public title

Study the effect of massage therapy on Labor process & Outcomes of fetus

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: nulliparous women; age range 35-20 years age Hamlgy42-39 weeks, singleton, cephalic presentation, estimated fetal weight 4000-2500 g; bags of clean water, lack of drug addiction, lack of medical

problems and psychological; the absence of contraindications for massage, onset of labor suits
Exclusion criteria: the reluctance of mothers to continue to participate in the scheme; anything that the mother undergoing cesarean section.

Age

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

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **66**

Randomization (investigator's opinion)

N/A

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 Arak University of Medical Sciences

Street address

Alamolhoda, Maskan, Arak

City

Arak

Postal code**Approval date**

2014-02-24, 1392/12/05

Ethics committee reference number

1045

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

Delivery

ICD-10 code

O60

ICD-10 code description

Pregnancy with abortive outcome

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

Labor pain

Timepoint

During delivery

Method of measurement

VAS

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

The first and fifth minute Apgar Newborn

Timepoint

1, 5 minutes after birth

Method of measurement

Questionnaire

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

Intervention Groups: under Petrissage massage in their active phase, three phase dilatation 4, 8 and 10 cm, were in the back.

Category

Treatment - Devices

2**Description**

control group : only received routine care nursing

Category

Prevention

Recruitment centers**1****Recruitment center****Name of recruitment center**

Taleghani Hospital Arak

Full name of responsible person

Dr. tayebeh golchin

Street address

Taleghani Hospital Arak

City

Arak

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Arak University of Medical Sciences

Full name of responsible person
Dr. Mohammad Rafiee

Street address
Arak, School of Medicine

City
Arak

Grant name

Grant code / Reference number

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

Title of funding source
Arak University of Medical Sciences

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

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Arak University of Medical Sciences

Full name of responsible person
Dr. Tayebbeh Golchin

Position
Resident of Obstetrics and Gynecology

Other areas of specialty/work

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Person responsible for general inquiries

Contact

Name of organization / entity
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Full name of responsible person
Dr. Tayebbeh Golchin

Position
Resident of Obstetrics and Gynecology

Other areas of specialty/work

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Person responsible for updating data

Contact

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