Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The Impact of Foot and Hand Massage on Cesarean Postoperative Pain

Protocol summary

Summary

On account of the inadequate postoperative pain control after the operation, wound complication ratio, infection, and health care costs have steadily increased. The aim of this study is to determine the efficiency of foot and hand massage on reducing postoperative pain in cesarean operation.This clinical trial study pre-post design will carry out on 90 women ongoing elective cesarean operation in the yahyanejad hospital of Babol. Subjects will select by random sampling method and divide into three groups: a control group, a foot and hand massage group, and foot massage group.In the evening of the day surgery, the pain intensity and vital findings of the patiens will measure 1 to 4 hours after a dose of pain medication, and then massage techniques will apply. Again, the pain intensity and vital findings will measure right after the massage, 60 minutes and 90 minutes after the massage. In the massage group, the data's will guttere only.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112248498N1**
Registration date: **2012-01-24, 1390/11/04**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2012-01-24, 1390/11/04

Registrant information

Name
Shahrbanoo Latifi
Name of organization / entity
Babol University of Medical Sciences
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Iran (Islamic Republic of)
Phone
+98 11 1223 4142
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latifinursing@yahoo.com

Recruitment status

Recruitment complete

Funding source

Babol University of Medical Sciences

Expected recruitment start date

2012-01-21, 1390/11/01

Expected recruitment end date

2012-05-21, 1391/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Impact of Foot and Hand Massage on Cesarean Postoperative Pain

Public title

The Impact of Massage on Cesarean Postoperative Pain

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion: Elective cesarean operation; consciousness; literacy; spinal anesthesia; 18-40 years old Exclusion: Exsist of phlebitis; eczema; arthritis; burn wound; injury on their hands or feet and cardiovascular; respiratory diagnosis; or psychological problems like depression

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: **90**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Babol University of Medical Sciences

Street address

Babol University of Medical Sciences

City

Babol

Postal code

47176413367

Approval date

2011-12-19, 1390/09/28

Ethics committee reference number

5224/30/ژ/پ

Health conditions studied

1

Description of health condition studied

Delivery

ICD-10 code

O82

ICD-10 code description

Delivery by caesarean section,unspecifie

Primary outcomes

1

Description

Pain

Timepoint

Bifore and after the intervention

Method of measurement

Numerical Rating Scale and Verbal Rating Scale

Secondary outcomes

1

Description

Vital findings

Timepoint

Befor and after the intervention

Method of measurement

Rotin style

Intervention groups

1

Description

Hand massage

Category

Treatment - Other

2

Description

Hand and foot massage

Category

Treatment - Other

3

Description

Control

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Yahanejad Hospital of Babol

Full name of responsible person

Shahrbanoo Latifi

Street address

Shahid Yahanejad Hospital of Babol, Modrres St, Babol

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Babol University of Medical Sciences

Full name of responsible person

Dr.Mostafazade

Street address

Babol University of Medical Sciences, Ganjafrooz St, Babol

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Grant name

12491002

Grant code / Reference number

10506

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

Yes

Title of funding source

Babol 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

Person responsible for general inquiries

Contact

Name of organization / entity

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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