

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jul 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 patients 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

Shahrbano Latifi

Name of organization / entity

Babol University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 11 1223 4142

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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: Exist 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/پ/ز

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

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Babol University of Medical Sciences, Ganjafrooz St,
Babol

City
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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

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Person responsible for updating data

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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