Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of the effect of pulse electro magnetic field with placebo on the amount of post cesarean section pain in pregnant women admitted in Arash hospital

Protocol summary

Summary

The aim of this trial is to compare the effect of pulse electromagnetic on the post cesarean section pain. This study is conducted with the method of random trial and based on a double blinded for test groups and researchers.it is conducted in one center," Arash Hospital". among the admitted women for cesarean section, 46 of them were selected based on inclusion criteria. Inclusion criteria: the first and second Optional cesarean section applicant pregnant women between 20-35 years of age in their 37-42 weeks of pregnancy. Those participants who are uncooperative; have underlying Medical disease; had a previous abdomen surgery and are on special drugs will exclude of the trial. Then they will be assigned to either placebo or the electromagnet pulse recipient groups. The electromagnetic pulse device or the placebo will be immediately place on the incision of the patient continuously for a 10 day period. In this way, the number of patient's pain on the first hours and next days after the cesarean section up to 10 days period will be measured via a visual analogue scale. At the end of the study, in addition to the effects of this device on relieving the post cesarean section pain, edema and immediately going back to normal work condition and the side effects will be measured and these cases will be compared with pharmacological drugs.

General information

Acronym

PEMF

IRCT registration information

IRCT registration number: **IRCT2014070711020N3**
Registration date: **2014-08-02, 1393/05/11**
Registration timing: **registered_while_recruiting**
Last update:
Update count: **0**

Registration date

2014-08-02, 1393/05/11

Registrant information

Name

Maryam Khoshideh

Name of organization / entity

Tehran University of Medical Sciences, Arash Hospital

Country

Iran (Islamic Republic of)

Phone

+98 21 7788 0909

Email address

khooshide@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Tehran Medical University

Expected recruitment start date

2014-07-12, 1393/04/21

Expected recruitment end date

2014-11-01, 1393/08/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of pulse electro magnetic field with placebo on the amount of post cesarean section pain in pregnant women admitted in Arash hospital

Public title

Assessment of the effect of electromagnet on the

reduction of cesarean section pain

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: First and second Optional C-section applicant pregnant women:20-35 years old: 37-42 weeks of pregnancy: single pregnancy. exclusion criteria:previous underlying medical disease or abdominal surgery; Being on special drugs; patients' non-cooperation

Age

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

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **46**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tehran University of Medical Sciences

Street address

Qods St, Keshavarz Blvd

City

Tehran

Postal code

Approval date

2014-07-17, 1393/04/26

Ethics committee reference number

940/130/93/د

Health conditions studied

1

Description of health condition studied

Pain

ICD-10 code

S31.7

ICD-10 code description

Multiple open wounds of abdomen, lower back and pelvis

Primary outcomes

1

Description

post cesarian section pain

Timepoint

3 period of 2 hours and 3 period of6 hours in the first day and then once every three days up to the 10th day after CS

Method of measurement

visual analogue scale

2

Description

Discharge of the incision of cesarin section

Timepoint

The first 10 days after cesarin section

Method of measurement

observentional

3

Description

peri incisional edema

Timepoint

the first 10 days after CS

Method of measurement

physician visit and patient report

Secondary outcomes

1

Description

Immediately going back to normal work

Timepoint

The first 10 days after cesarin section

Method of measurement

Patient report

Intervention groups

1

Description

using Pulse electro magnetic field on the cesarin section incision for the first 10 days after cesarin section in intervened group.

Category

Treatment - Other

2

Description

using placebo device in cesarian incision for the 10 firts days after post cesarian section in control group.This

device is similar to pulse electro magnetic device and dose not make any pulse.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Arash Women's Hospital

Full name of responsible person

Dr Maryam Khooshide

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Tehran University of Medical Sciences , Deputy of Research

Full name of responsible person

Dr. Akbar Fotohi

Street address

Qods St, Keshavarz Blvd

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice Chancellor for research of Tehran University of Medical Sciences , Deputy of Research

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

Tehran University of Medical Sciences

Full name of responsible person

Dr Maryam Khooshide

Position

Associate professor

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Tehran University of Medical Sciences

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Dr Maryam Khooshide

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Person responsible for updating data

Contact

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Tehran University of Medical Sciences

Full name of responsible person

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Position

Gynecology Resident

Other areas of specialty/work

Street address

Arash Women 's Hospital, Rashid Ave, Resalat Highway, Tehranpars

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Fax

Email

Web page address

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