

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jun 2026

The effect of massage of organs on postoperative pain, A double blind randomized clinical trial with a control group

Protocol summary

Study aim

The effect of massage of limbs on postoperative pain

Design

A clinical trial with a control group, with parallel groups, double blind, randomized

Settings and conduct

Patients are divided into intervention and control groups by means of four-way blocked blocks. Patients in the intervention group will receive half an hour massage in their hands and legs before surgery and during surgery. Physician, researcher and data analyst will be blind during the study.

Participants/Inclusion and exclusion criteria

Surgical length more than two hours Satisfaction to participate in the study

Intervention groups

Patients in need of surgery will receive half an hour massage in their legs and hands before and during surgery.

Main outcome variables

pain

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20120605009948N6**

Registration date: **2019-04-06, 1398/01/17**

Registration timing: **registered_while_recruiting**

Last update: **2019-06-12, 1398/03/22**

Update count: **1**

Registration date

2019-04-06, 1398/01/17

Registrant information

Name

Majid Montazer

Name of organization / entity

Tabriz University of Medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 3337 8435

Email address

montazerma@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-02-19, 1397/11/30

Expected recruitment end date

2020-03-10, 1398/12/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of massage of organs on postoperative pain, A double blind randomized clinical trial with a control group

Public title

Effect of massage on pain relief

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Need more than two hours surgery Satisfaction to participate in the study

Exclusion criteria:

History of inflammatory diseases Taking analgesic drugs Having nervous system diseases Taking sedative drugs

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

- Care provider
- Investigator
- Data analyser

Sample size

Target sample size: **300**

Randomization (investigator's opinion)

Randomized

Randomization description

In the form of quadruple blocks The randomization unit will be individualized

Blinding (investigator's opinion)

Triple blinded

Blinding description

Doctor, researcher, and data analyst will not be present during the intervention.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Tabriz University of Medical Sciences

Street address

Emam Reza Hospital, Azadi Ave

City

Tabriz

Province

East Azarbaijan

Postal code

14766-51666

Approval date

2019-03-11, 1397/12/20

Ethics committee reference number

IR.TBZMED.REC.1397.1059

Health conditions studied

1

Description of health condition studied

Pain

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Pain

Timepoint

At the beginning of the study, 2, 4, 6, 12, 24 hours after the massage

Method of measurement

VAS pain intensity check list

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Patients will receive massage at their hands and feet for half an hour before starting surgery (Includes all spine surgery, All Heart Surgery, all thoracic surgery, all orthopedic surgeries). During surgery, they will receive massage for half an hour in all organs.

Category

Prevention

2

Description

Control group: No action will be taken before and during surgery for this group.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza hospital

Full name of responsible person

Mehdi Khanbabayi Gol

Street address

Emam Reza Hospital, Azadi Ave

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Abolghasem Jouyban

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research-vice@tbzmed.ac.ir

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

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

Mehdi Khanbabayi Gol

Position

Msc of Nursing

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact

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Mehdi Khanbabayi Gol

Position

Msc of nursing

Latest degree

Master

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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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

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be 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

Undecided - It is not yet known if there will be a plan to make this available