

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

Evaluation of abdominal massage effect on return of bowel Peristalsis after cardiac surgery in Ekbatan hospital 2013

Protocol summary

Summary

Objective: Evaluation of abdominal massage effect on return of bowel Peristalsis after cardiac surgery. Design: Double blinded randomized controlled trial. Setting: Eighty patients undergoing cardiac surgery in Ekbatan hospital at 2013. Inclusion criteria: (a) signing informed consent; (b) Age 18-70 years; (c) Time of surgery between 2.5 to 5 hours. Exclusion criteria: (a) Opium addiction; (b) Gastrointestinal Disorders; (c) Usage medications (calcium channel blockers, anti-cholinergic drugs, Psychiatry, laxative and purgative); (d) Electrolyte distribution; (e) History of spinal cord injuries or cerebral vascular accident. Intervention: 40 patients will receive abdominal massage for 5 minutes each 6 hours by trained nurse. Control: 40 patients will receive ordinary services of postoperative ICU care. Primary outcome: time of return bowel sound, gas passing and defecation that evaluate by nurse. Secondary outcome: Time length of patients stay in ICU.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012121011709N1**

Registration date: **2013-05-10, 1392/02/20**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2013-05-10, 1392/02/20

Registrant information

Name

Davoud Khoshbavarrad

Name of organization / entity

Kermanshah University of Medical Science

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Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor of Research and Technology,
Kermanshah University of Medical Science

Expected recruitment start date

2013-05-22, 1392/03/01

Expected recruitment end date

2013-08-06, 1392/05/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of abdominal massage effect on return of bowel Peristalsis after cardiac surgery in Ekbatan hospital 2013

Public title

Evaluation of abdominal massage effect on return of bowel Peristalsis after cardiac surgery in Ekbatan hospital 2013

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: (a) signing informed consent; (b) Age 18-70 years; (c) Time of surgery between 2.5 to 5 hours. Exclusion criteria: (a) Opium addiction; (b) Gastrointestinal Disorders; (c) Usage medications (calcium channel blockers, anti-cholinergic drugs, Psychiatry, laxative and purgative); (d) Electrolyte

distribution; (e) History of spinal cord injuries or cerebral vascular accident.

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **80**

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

Medical Sciences University of Kermanshah

Street address

Dolat Abad Boulevard - School of Nursing and Midwifery

City

Kermanshah

Postal code

Approval date

2013-04-06, 1392/01/17

Ethics committee reference number

196

Health conditions studied

1

Description of health condition studied

Ileus

ICD-10 code

K56.0

ICD-10 code description

Paralytic ileus

Primary outcomes

1

Description

Return of bowel movements

Timepoint

Three hours after the start of the intervention

Method of measurement

Self-report and auscultation

Secondary outcomes

1

Description

Length of stay in Intensive Care Unit

Timepoint

Discharge time from ICU

Method of measurement

Clock

Intervention groups

1

Description

After cardiac surgery abdominal massage started from right lower quadrant and extended along the large intestine and ended in right lower quadrant.

Category

Rehabilitation

2

Description

In control group will not do any intervention and just recorded bowel movement returning data for evaluation with intervention group

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ekbatan Hospital of Hamadan

Full name of responsible person

Davoud Khoshbavarrad

Street address

City

Hamadan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor of Research and Technology, Kermanshah University of Medical Science

Full name of responsible person

Faird Najafi

Street address

Kermanshah University Of Medical Sciences, Beheshti blv

City

Kermanshah

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

Yes

Title of funding source

Vice Chancellor of Research and Technology, Kermanshah University of Medical Science

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**

Kermanshah University of Medical Sciences

Full name of responsible person

Davoud Khoshbavarrad

Position

Graduate student

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Hamadan University of Medical Sciences

Full name of responsible person

Behrooz Karkhanei

Position

Anesthesiologist

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Khoshbavarrad@yahoo.com
omdkhoshbavarrad@gmail.com**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*