

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Effects of coffee on postoperative ileus after caesarean section

Protocol summary

Summary

Objectives: postoperative ileus is a common consequence of abdominal surgery, which tends to prolong the duration of hospital stay and imposes considerable economic costs on healthcare system. Coffee is proved to have positive effects on gastrointestinal motility index in healthy young adults. Thus, the present study aims to examine effects of coffee on postoperative ileus after caesarean section. Material and method: A total number 100 patients after elective caesarean section were randomly assigned before surgery into control and intervention groups. The intervention group received 100cc coffee at 8, 12 and 20 hours after the surgery, while the control group received 100cc hot water at the same intervals. First bowel sound, first passage of flatus, first defecation, and length of stay after surgery were compared in the two groups

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016112728340N3**

Registration date: **2016-12-10, 1395/09/20**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-12-10, 1395/09/20

Registrant information

Name

Atefeh Yas

Name of organization / entity

Urmia University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 44 3275 4961

Email address

yas.a@umsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Urmia University of Medical Sciences

Expected recruitment start date

2017-02-09, 1395/11/21

Expected recruitment end date

2017-05-13, 1396/02/23

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of coffee on postoperative ileus after caesarean section

Public title

Postoperative ileus after caesarean section

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Elective caesarean section; Willingness to participate; No history of previous abdominal surgery or caesarean section; No history of diseases such as diarrhea; Chronic constipation; Irritable bowel syndrome; Gastro esophageal reflux; No use of laxative a day before the surgery; No chronic use of these drugs and women undergoing spinal anesthesia. Exclusion criteria: Patients with gastrointestinal complications; Respiratory problems and infections that required medicational interventions and those with surgeries longer than 90 minutes

Age

From **18 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 100

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Urmia University of Medical Sciences

Street address

Street Jahad ,Urmia

City

Urmia

Postal code

Approval date

2013-09-23, 1392/07/01

Ethics committee reference number

IRUMSU.REC.1392.89

Health conditions studied

1

Description of health condition studied

ielus

ICD-10 code

K93

ICD-10 code description

complications of pregnancy, childbirth and the puerperium

Primary outcomes

1

Description

First bowel sound

Timepoint

Eight hours after cesarean section

Method of measurement

Stethoscope

2

Description

first passage of flatus

Timepoint

Eight hours after cesarean section

Method of measurement

Question of patient

3

Description

first defecation

Timepoint

Eight hours after cesarean section

Method of measurement

Question of patient

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group will received 100cc coffee at 8, 12 and 20 hours after the surgery .

Category

Prevention

2

Description

The control group will received 100cc water at 8, 12 and 20 hours after the surgery

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Soheila Rabeipoor

Street address

Molatvi Street

City

Urmia

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Urmia University of Medical Sciences

Full name of responsible person

Dr. Iraj Mohebbi
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 Jahad Street, Urmia
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Urmia 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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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