

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of the efficacy of two methods of warming on patient in abdominal surgery on physiologic parameters and shivering in hamedan´s besat hospital in 1392

Protocol summary

Summary

Objective: Comparison of the efficacy of two methods of warming on patient in abdominal surgery on physiologic parameters and Postoperative shivering. Study design : Stratified random sampling. Study population: patients with abdominal surgery in Besat Hospital in Hamadan. The main criteria for inclusion: patients without underlying diseases such as hypothyroidism, hyperthyroidism, diabetes, hypertension and Cardiovascular disease, no fever, aged between 18 and 65 years, abdominal surgery under general anesthesia up to 3 hours. Main exclusion criteria: the need for blood transfusions during surgery, intra-abdominal infections, Allergy to general anesthetics drugs, Receiving sedation. Sample size: 132 patients. Intervention or interventions studied: in each group, patients will have a warming approach. Intervention Time: In a group 15 minutes before induction of anesthesia, Patient's trunk and lower extremities heated by a warmer and in other group immediately after induction of anesthesia, the patients body covered by a layer of cotton cover and Laminated Fabric to prevent heat loss, design variables before induction, after induction and then every 15 minutes until patient discharge from the recovery will be measured. shivering and grading the severity of shivering in the recovery room by a trained nurse who does not know the type of intervention will be evaluated by an observational tool (Grossely and Mahajan). Primary outcome: changes in physiological parameters and reducing shivering

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013092114722N1**
Registration date: **2013-10-28, 1392/08/06**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-10-28, 1392/08/06

Registrant information

Name

Sudabe Asadi

Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research and Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2013-10-23, 1392/08/01

Expected recruitment end date

2014-01-21, 1392/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy of two methods of warming on patient in abdominal surgery on physiologic

parameters and shivering in hamedan's besat hospital in 1392	Hamadan University of Medical Sciences, Shahid Fahmideh Street, Hamadan
Public title Comparison of the efficacy of two methods of warming on patient in abdominal surgery on physiologic parameters and shivering in hamedan's besat hospital in 1392	City Hamadan
Purpose Prevention	Postal code 65178
Inclusion/Exclusion criteria Inclusion criteria: abdominal surgery with opening of the peritoneal cavity; Age 18-65 years; abdominal surgery under general anesthesia up to 3 hours; not receiving corticosteroids, nonsteroidal analgesics and anti-hypertensive drugs; Lack of infection; Non-emergency abdominal surgery (elective surgery or urgent); patients without underlying diseases such as hypothyroidism, hyperthyroidism, diabetes, hypertension and Cardiovascular disease. Exclusion criteria: Allergy to drugs used in general anesthesia; The need for blood transfusions during surgery; Patients who require Intravenous fluids during surgery More than the Fluid therapy protocol; Receive a Analgesic and sedative medication before anesthesia induction; Receive a sedative medication in recovery room; patients who have evidence of intra-abdominal infections after opening the abdominal wall.	Approval date 2013-09-09, 1392/06/18
Age From 18 years old to 65 years old	Ethics committee reference number 1689/9/35/16/پ
Gender Both	Health conditions studied
Phase N/A	1
Groups that have been masked No information	Description of health condition studied Post operative shivering
Sample size Target sample size: 132	ICD-10 code t88.5
Randomization (investigator's opinion) Randomized	ICD-10 code description Other complications of anaesthesia
Randomization description	Primary outcomes
Blinding (investigator's opinion) Single blinded	1
Blinding description	Description Shivering
Placebo Not used	Timepoint Post operative
Assignment Parallel	Method of measurement Visual assessment scale
Other design features	2
Secondary Ids empty	Description Blood pressure
Ethics committees	Timepoint Before induction of anesthesia, immediately after induction of anesthesia and then every 15 minutes until patient discharge from the recovery
1	Method of measurement Sphygmomanometer
Ethics committee	3
Name of ethics committee Hamadan University of Medical Sciences	Description Core body temperature
Street address	Timepoint Before induction of anesthesia, immediately after induction of anesthesia and then every 15 minutes until patient discharge from the recovery
	Method of measurement Tympanic thermometer
	4
	Description Saturation of O2
	Timepoint Before induction of anesthesia, immediately after induction of anesthesia and then every 15 minutes until

patient discharge from the recovery

Method of measurement

Pulse oximetry

5

Description

Pulse rate

Timepoint

Before induction of anesthesia, immediately after induction of anesthesia and then every 15 minutes until patient discharge from the recovery

Method of measurement

Hemodynamic Monitor

6

Description

Respiratory rate

Timepoint

Before induction of anesthesia, immediately after induction of anesthesia and then every 15 minutes until patient discharge from the recovery

Method of measurement

Enumeration

Secondary outcomes

1

Description

time of shivering

Timepoint

Postoperative

Method of measurement

Observation

2

Description

The amount of administered fluids

Timepoint

Postoperative

Method of measurement

Observation

3

Description

Duration of surgery

Timepoint

Postoperative

Method of measurement

The onset of anesthesia until the end of anesthesia

Intervention groups

1

Description

In one group 15 minutes before induction of anesthesia, the patient's trunk and lower extremities is heated by a

heating warmer

Category

Prevention

2

Description

In another group immediately after induction of anesthesia, patients body covered by a layer of cotton cover and laminated fabrics to prevent heat loss

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Hamadan's Besat Hospital

Full name of responsible person

Sudabe Asadi, MSc Student in Critical Care Nursing

Street address

Besat Hospital, Motahari Blv, Hamadan

City

Hamadan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research and Technology,
Hamadan University of Medical Sciences

Full name of responsible person

Dr Heidar Tavilani

Street address

Hamadan University of Medical Sciences, Shahid
Fahmideh Street, Hamadan

City

Hamadan

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 and Technology, Hamadan
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

Name of organization / entity

Hamadan University of Medical Sciences

Full name of responsible person

Sudabe Asadi

Position

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Fax

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