Clinical Trial Protocol
Iranian Registry of Clinical Trials

21 Nov 2026

Comparative evaluation about efficay of use of variable concenterations of Epinephrine in Tumscent solution for control of bleeding in patients with abdominal liposuction

Protocol summary

Study aim
Comparison hemorrhage control in use of different concentration Epinephrine in tumscent solotion of Abdominal liposuction
Design
Non randomised controlled clinical trial, non blinded, parallel groups with 36 person
Settings and conduct
Obese patient who candidate for abdominal liposuction in Talegani hospital after consent, will be divided to Intervention and Control group . After surgery will be compared hemorrhage in two groups.
Participants/Inclusion and exclusion criteria
Persons with 20 to 60 years old that are candidate for Abdominal liposuction accepted in study
Intervention groups
Intervention: will be used Epinephrine of abominal tumscent solotion 1.4 miligramme in litre for right and left flanks and 1.2 miligramme in litre for superiore abdominal zone and 1 miligrammefor inferior abdominal zone . Control:will be used Epinephrine 1miligramme in litre in total abdominal zones.
Main outcome variables
Blood pressure and pulse,hemoglobin and hematocrit

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20191128045532N1**
Registration date: **2020-10-13, 1399/07/22**
Registration timing: **retrospective**

Last update: **2020-10-13, 1399/07/22**
Update count: **0**
Registration date
2020-10-13, 1399/07/22

Registrant information
Name
Mahtab Farhadi
Name of organization / entity
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Iran (Islamic Republic of)
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+98 61 3333 5824
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2020-01-07, 1398/10/17
Expected recruitment end date
2020-05-20, 1399/02/31
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Comparative evaluation about efficay of use of variable concenterations of Epinephrine in Tumscent solution for control of bleeding in patients with abdominal liposuction

Public title
Use of higher dose Epinephrine in Abdominal liposuction sulotion
Purpose
Prevention
Inclusion/Exclusion criteria
Inclusion criteria:

Candidate person for Abdominal liposuction surgery

Exclusion criteria:

Age upper 60year Age lower 20 year

Age

From **20 years** old to **60 years** old

Gender

Both

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: **36**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Lab and clinical consideration

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Ahwaz University of Medical sciences

Street address

No.64,Motahary Ave,Kianpars Blvd,Ahwaz Town

City

Ahwaz

Province

Khouzestan

Postal code

6155676472

Approval date

2020-01-07, 1398/10/17

Ethics committee reference number

IR.AJUMS.REC.1398.758

Health conditions studied

1

Description of health condition studied

Obesity

ICD-10 code

E66

ICD-10 code description

Overweight and obesity

Primary outcomes

1

Description

Blood prssure

Timepoint

Before surgery and 1 and 6 hours after surgery

Method of measurement

Mercury manometer

2

Description

Pulse

Timepoint

Before surgery and 1 and 6 hours after surgery

Method of measurement

Physical examination

3

Description

Hemoglobin

Timepoint

Before surgery and after surgery

Method of measurement

Blood examination

4

Description

Hematocrit

Timepoint

Before surgery and after surgery

Method of measurement

Blood examination

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Epinephrine ampoule is vasoconstractor, Always Will be added to tumscent solotion of Abdominal liposuction surgery.Will be added 1.2 miligramme in litre in superiore abdominal zone and 1.4 miligramme in litre in inflanks. Will be added 1 miligramme in litre in inferior abdominal zone.

Category

Prevention

2

Description

Control group: Will be added Epinephrine 1miligramme in litre in total abdominal zone.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center
Taleghani hospital
Full name of responsible person
Abdolreza khorshidi far
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No .64,Motahari Ave,Kianpars Blvd, Ahwaz Town
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Ahvaz University of Medical Sciences
Full name of responsible person
Mohammad badavi
Street address
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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
Ahvaz 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
Ahvaz University of Medical Sciences
Full name of responsible person
Abdolreza khorshidi far
Position
Consultant
Latest degree
Subspecialist
Other areas of specialty/work
General Surgery
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Yes - There is a plan to make this available
Statistical Analysis Plan
Yes - There is a plan to make this available
Informed Consent Form
Yes - There is a plan to make this available
Clinical Study Report
Yes - There is a plan to make this available
Analytic Code
Yes - There is a plan to make this available
Data Dictionary
Yes - There is a plan to make this available
Title and more details about the data/document
Total data for example weight,length,measure of tumescent and suction
When the data will become available and for how long
Start immediately after results impression
To whom data/document is available
All of researcher
Under which criteria data/document could be used
Without condition
From where data/document is obtainable
Through telephone and Email
What processes are involved for a request to access data/document
Few days need for consideration of request and preparation
Comments