

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Aug 2026

Comparisional survey of local infiltration of adrenalized lidocain with adrenaline alone in operative field bleeding in Rhinoplastic surgery

Protocol summary

Summary

In head and neck surgeries, bleeding in surgical field has an important role in decrease of operation time and also it prevents blood transfusion complications. An effective method for decrease blood in surgical field is infiltration of adrenaline. Adrenaline usually diluted with lidocaine, but lidocain has a vasodilator effect. The study compare amount of blood in surgical field between lidocain group and control group (without lidocain). The study is done in patients with ASA class I and II candidate for rhinoplastic surgery; they are divided to two groups (lidocain and control) randomly. In lidocain group adrenaline and 2% lidocain is used and in control group adrenaline and saline. Then the amount of bleeding in surgical field is documented and then compare between two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201502172946N6**

Registration date: **2015-03-08, 1393/12/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-03-08, 1393/12/17

Registrant information

Name

Mitra Yari

Name of organization / entity

Kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medical Sciences

Expected recruitment start date

2013-03-20, 1391/12/30

Expected recruitment end date

2014-03-20, 1392/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparisional survey of local infiltration of adrenalized lidocain with adrenaline alone in operative field bleeding in Rhinoplastic surgery

Public title

study of effect of lidocain infiltration in surgical field bleeding

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: age 15-45 years old; ASA class I and II.

Exclusion criteria: coagulopathy; heart diseases; hypertension.

Age

From **15 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic committee of Kermanshah University of Medical Sciences

Street address

No. 2 building of Medical University, Shahid Beheshti boulevard

City

Kermanshah

Postal code

Approval date

2010-08-20, 1389/05/29

Ethics committee reference number

53879

Health conditions studied

1

Description of health condition studied

Amount of bleeding in surgical field

ICD-10 code

Z42.0

ICD-10 code description

Follow-up care involving plastic surgery of head and neck

Primary outcomes

1

Description

The amount of surgical bleeding

Timepoint

Every 10 minute during surgery

Method of measurement

Blood in suction and gauze

Secondary outcomes

1

Description

Surgical field bleeding

Timepoint

Every 10 minute

Method of measurement

Boezaart quality scale of bleeding

Intervention groups

1

Description

In intervention group(lidocain group)adrenaline 1/200000 and 2% lidocain is infiltrated intradermal in surgical field and every 10 minute scale of surgical field bleeding was documented and at the end of operation total amount of bleeding was documented

Category

Prevention

2

Description

In control group adrenaline 1/200000 and saline 0.9% is infiltrated intradermal in surgical field and every 10 minute scale of surgical field bleeding was documented and at the end of operation total amount of bleeding was documented

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Dr. Mitra Yari

Street address

Parastar boulevard, Sorkhalijeh

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

No. 2 building of Medical University, Shahid Beheshti boulevard

City

Kermanshah

Grant name

Grant code / Reference number**Is the source of funding the same sponsor organization/entity?***Yes***Title of funding source***Kermanshah 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***Kermanshah University of Medical Sciences***Full name of responsible person***Dr. Mitra Yari***Position***Associated professor and anesthesiologist***Other areas of specialty/work****Street address***Imam Reza Hospital, Parastar boulevard, Sorkhalijeh,
kermanshah***City***Kermanshah***Postal code****Phone***+98 83 3725 3775***Fax****Email***myari@kums.ac.ir***Web page address****Person responsible for scientific****inquiries****Contact****Name of organization / entity***Kermanshah University of Medical Sciences***Full name of responsible person***Dr. Mitra Yari***Position***Associated professor and anesthesiologist***Other areas of specialty/work****Street address***Kermanshah University of Medical Sciences***City***Kermanshah***Postal code****Phone***+98 83 3427 6310***Fax****Email***myari@kums.ac.ir***Web page address****Person responsible for updating data****Contact****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*