

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Sep 2026

camparison of local Tranexamic Acid with anterior nasal packing in control of epistaxis in patients referring with anterior nasal bleeding.

Protocol summary

Summary

Sixty percent of the population will experience at least once epistaxis. The most common model of the bleeding is the anterior bleeding from the nose. Systemic Acid Tranexamic is used in the control of nasal bleeding in patients with inherited telangiectasias. Efficacy of topical Tranexamic Acid in control of anterior epistaxis by anterior nasal tampons is evaluated in this study. This randomized, double-blind, single-center study would be performed on patients referred to Imam Reza hospital with complaints of epistaxis from February 2011 till July 2012. Exclusion criteria include patients with multiple traumas, shock, lack of patient's satisfaction, and INR > 1.5. Two hundred Patients placed in each group are treated differently. In the intervention group, a 15cm-cotton wick dipped in Acid Tranexamic is used. The wick is placed in the nasal cavity and the bleeding is evaluated and recorded in 5-minute intervals. The bleeding recurred in 24 hours and one week later will be assessed. Patient's discharge time from the emergency department is also recorded. In the second group (control group) common methods are used to control the bleeding, which are shrinkage of the anterior nasal and then placing the tampon. All variables mentioned in the first group are recorded in this group, too. If bleeding is not controlled in Acid Tranexamic group, then the common method for controlling the bleeding is used. Finally, patient's satisfaction of treatment is evaluated using a numerical scoring system.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201201308872N1**

Registration date: **2012-04-25, 1391/02/06**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2012-04-25, 1391/02/06

Registrant information

Name

Morteza Saeedi

Name of organization / entity

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2012-01-19, 1390/10/29

Expected recruitment end date

2012-06-04, 1391/03/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

camparison of local Tranexamic Acid with anterior nasal packing in control of epistaxis in patients referring with anterior nasal bleeding.

Public title

effectiveness of local Tranexamic Acid on Epistaxis Control

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: All patients with epistaxis referring to the emergency department. Exclusion Criteria: multiple traumas; shock; Lack of patient's satisfaction; INR> 1.5

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **400**

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

Tabriz University of Medical Sciences

Street address

Daneshgah St., Tabriz, Iran

City

Tabriz

Postal code

Approval date

2012-01-18, 1390/10/28

Ethics committee reference number

8427;4;5

Health conditions studied

1

Description of health condition studied

Epistaxis

ICD-10 code

R04.0

ICD-10 code description

Haemorrhage from nose

Primary outcomes

1

Description

Bleeding control time

Timepoint

every 5 minutes from the start point until the bleeding stops

Method of measurement

measured by stopwatch, per minute

2

Description

bleeding recurrence

Timepoint

first 24 hours and the first week

Method of measurement

measured by watch

3

Description

patient's satisfaction

Timepoint

within discharge

Method of measurement

by VAS measurement system (10 points mark)

Secondary outcomes

empty

Intervention groups

1

Description

Tranexamic Acid: Ampoule, 100mg/ml, Local, the wick is soaked in 5cc of solution.

Category

Treatment - Drugs

2

Description

Epinephrine 1/100000 and Lidocine 2%, Solution, Local, the wick is soaked in 5cc of solution.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Dr. Said Alizadeh Arasi

Street address

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Council of Tabriz Medical University

Full name of responsible person

Dr Mohammadreza Rashidi

Street address

Shariati hospital, North Amir Abaad St., Tehran, Iran

City

Tehran

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

Yes

Title of funding source

Research Council of Tabriz Medical University

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**

Tehran University of Medical Sciences

Full name of responsible person

Dr. Morteza Saeedi

Position

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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