

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of the effect of 2% citric acid on control of spontaneous epistaxis in patients with spontaneous epistaxis referring to emergency ward

Protocol summary

Summary

Our aim in this study is to evaluate the effect of 2% citric acid on control of spontaneous epistaxis. In a unicentral clinical trial, 200 patients from both genders with spontaneous epistaxis referring to emergency ward of Emam Reza hospital, Tabriz, Iran will be administered 5 drops of Acid Citric 2% nasal drop in the involved nose. Vital signs will be checked 2 minutes before and 5, 10 and 20 minutes after the instillation and patients will be followed for the next 24 hours for control of bleeding. In case of non-recovery within 5 minutes of Acid citric instillation, standard therapy by anterior tampon will be applied. Gathered data would be then compared using statistical methods.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012091510843N1**

Registration date: **2012-10-03, 1391/07/12**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2012-10-03, 1391/07/12

Registrant information

Name

Peyman Moharramzadeh

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1337 2621

Email address

moharramzadep@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2012-04-04, 1391/01/16

Expected recruitment end date

2012-10-06, 1391/07/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of 2% citric acid on control of spontaneous epistaxis in patients with spontaneous epistaxis referring to emergency ward

Public title

effect of 2% citric acid on control of spontaneous epistaxis in

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: (to have spontaneous epistaxis)

Exclusion criteria: (to have a prior history of coagulopathy; trauma; vascular abnormalities)

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **200**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethical Committee of Tabriz University of Medical Sciences

Street address

Vice chancellor for research, Tabriz University of Medical Sciences, Daneshgah Square

City

Tabriz

Postal code

Approval date

2012-04-02, 1391/01/14

Ethics committee reference number

9185

Health conditions studied

1

Description of health condition studied

Epistaxis

ICD-10 code

R04.0

ICD-10 code description

Epistaxis

Primary outcomes

1

Description

Nasal bleeding

Timepoint

5, 10 and 20 minutes after the instillation of the drops

Method of measurement

Physical examination by the physician

2

Description

Blood pressure

Timepoint

2 minutes before and 5, 10 and 20 minutes after the instillation of the drops

Method of measurement

By the physician using a Mercury sphygmomanometer

3

Description

Pulse rate per minute

Timepoint

2 minutes before and 5, 10 and 20 minutes after the instillation of the drops

Method of measurement

By the physician

Secondary outcomes

empty

Intervention groups

1

Description

All the individuals will be administered 5 drops of Acid Citric 2% nasal drop in the involved nose.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Emergency ward of Emam Reza hospital

Full name of responsible person

Peyman Moharramzaeh

Street address

Emergency ward, Emam Reza hospital, Golgasht ave.

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Alireza Ostad Rahimi

Street address

Vice chancellor for research, Tabriz University of Medical Sciences, Daneshgah Square

City

Tabriz

Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tabriz 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
Tabriz University of Medical Sciences
Full name of responsible person
Peyman Moharramzadeh
Position
Emergency medicine specialist/assistant professor
Other areas of specialty/work
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

Name of organization / entity
Tabriz University of Medical Sciences
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Mehdi Hemmati
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Other areas of specialty/work
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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