

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Effects of temporary clips on somatosensory evoked potentials in anterior circulation of brain aneurysm surgery

Protocol summary

Study aim

Effects of temporary clips on somatosensory evoked potentials in anterior circulation of brain aneurysm surgery

Design

The design of the study is a clinical trial with no control group and for 10 patients the intervention is done and blindness is not done.

Settings and conduct

In this research, all patients referred to the Hazrat Rasoul Akram hospital, who suffered from brain aneurysm will be enrolled. Effects of temporary clips on somatosensory evoked potentials in anterior circulation of brain aneurysm surgery will be investigated.

Participants/Inclusion and exclusion criteria

All patients referred to Rasoul Akram Hospital, who suffered from brain aneurysm, will be enrolled. Inclusion criteria: The patient's aneurysm is only related to the anterior circulation of the brain. Exclusion criteria: Patient with history of stroke, The patient with history of previous aneurysm surgery.

Intervention groups

The intervention is a temporary clips in anterior circulation of brain aneurysm surgery.

Main outcome variables

The amount of changes in brain electrical potential, The duration of blockage of the arteries with clips, Stroke

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20171124037606N2**

Registration date: **2019-01-23, 1397/11/03**

Registration timing: **prospective**

Last update: **2019-01-23, 1397/11/03**

Update count: **0**

Registration date

2019-01-23, 1397/11/03

Registrant information

Name

Alireza Tabibkhooei

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 6435 2228

Email address

tabibkhooei.a@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-02-04, 1397/11/15

Expected recruitment end date

2019-06-20, 1398/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of temporary clips on somatosensory evoked potentials in anterior circulation of brain aneurysm surgery

Public title

Effects of temporary somatosensory evoked potentials in brain aneurysm

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

The patient's aneurysm is only related to the anterior circulation of the brain
Exclusion criteria:
Patient with history of stroke The patient with history of previous brain aneurysm surgery

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 10

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

Ethics committee of Iran University of Medical Sciences

Street address

Iran University of Medical Sciences, Hemmat Highway, Tehran

City

Tehran

Province

Tehran

Postal code

1449614535

Approval date

2018-12-22, 1397/10/01

Ethics committee reference number

IR.IUMS.FMD.REC.1397.112

Health conditions studied

1

Description of health condition studied

Cerebral aneurysm

ICD-10 code

I67.1

ICD-10 code description

Cerebral aneurysm, nonruptured

Primary outcomes

1

Description

The amount of changes in brain electrical potential

Timepoint

Every 10 seconds

Method of measurement

With Somatosensory Evoked Potentials

2

Description

The duration of blockage of the arteries with clips

Timepoint

Continuously, from the time the clips is put up to remove it

Method of measurement

Based on patient records

3

Description

Stroke

Timepoint

During operation, after the completion of surgery, 3 days, 1 week and one month after surgery

Method of measurement

Based on patient records

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: temporary clips in anterior circulation of brain aneurysm surgery

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Hazrat Rasoul Akram hospital

Full name of responsible person

Alireza Tabibkhoei

Street address

Hazrate Rasool hospital, Niyayesh street, Sattarkhan

City

Tehran

Province

Tehran
Postal code
1445613131
Phone
+98 21 6435 2190
Email
hrmc@iums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Kazem Malakooti
Street address
Iran University of Medical Sciences, Hemmat
Highway, Tehran
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 8670 2503
Email
research@iums.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Iran 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
Iran University of Medical Sciences
Full name of responsible person
Asghar Aslani Nia
Position
Resident
Latest degree
Medical doctor
Other areas of specialty/work
Neurosurgery

Street address

Rasool Akram Hospital, Niayesh St. Sattarkhan St.

City

Tehran

Province

Tehran

Postal code

1354863411

Phone

+98 21 6688 2693

Email

dr.aslaninia@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Alireza Tabibkhoei
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Neurosurgery
Street address
Rasool Akram Hospital, Niayesh St. Sattarkhan St.
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 64351
Email
alireza.tabibkhoei@gmail.com

Person responsible for updating data

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Alireza Tabibkhoei
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Neurosurgery
Street address
Rasool Akram Hospital, Niayesh St. Sattarkhan St.
City
Tehran
Province
Tehran
Postal code
1445613131
Phone

+98 21 64351

Email

alireza.tabibkhooei@gmail.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available