# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

18 Sep 2026

## Evaluation of therapeutic effect of nimodipine on facial nerve injury following cerebellar peduncle angle tumor surgery

## Protocol summary

**Study aim**
Evaluation of therapeutic effect of nimodipine on facial nerve injury following cerebellopeduncular angle tumor surgery

**Design**
The subjects will be placed on the first day of postoperative post-PO surgery and will be allowed to start feeding or gavage under the semi-mediastin with g60 every 6 hours. The first fallopian is 3 times and then 6 months after the surgery. The recovery pattern of the facial nerve is based on House-Brackmann Score and will be evaluated and recorded.

**Settings and conduct**
The study will be conducted as a blind clinical trial. The site of the study will be Imamreza Hospital.

**Participants/Inclusion and exclusion criteria**
Patients with CPA tumor in Tabriz Imam Reza Hospital will undergo surgery in the neurosurgery department and will be operated in the lateral position and with the retro-sigmoid approach. People who have a clear cut of nerves during surgery will be excluded from the study.

**Intervention groups**
Intervention group: The subjects will be placed on the first day of postoperative post-PO surgery and will be allowed to start feeding or gavage under the condition of norepinephrine with g60 every 6 hours. The first fallopian is 3 times and then 6 months after the surgery.

**Main outcome variables**
The recovery pattern of the facial nerve is based on House-Brackmann Score

## General information

**Reason for update**

**Acronym**

**IRCT registration information**
IRCT registration number: **IRCT20120527009878N8**
Registration date: **2019-06-12, 1398/03/22**
Registration timing: **prospective**
Last update: **2019-06-12, 1398/03/22**
Update count: **0**

**Registration date**
2019-06-12, 1398/03/22

**Registrant information**

**Name**
Firooz Salehpour

**Name of organization / entity**

**Country**
Iran (Islamic Republic of)

**Phone**
+98 41 3334 0830

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salehpourf@tbzmed.ac.ir

**Recruitment status**
**Recruitment complete**

**Funding source**

**Expected recruitment start date**
2019-06-22, 1398/04/01

**Expected recruitment end date**
2019-09-23, 1398/07/01

**Actual recruitment start date**
empty

**Actual recruitment end date**
empty

**Trial completion date**
empty

**Scientific title**
Evaluation of therapeutic effect of nimodipine on facial nerve injury following cerebellar peduncle angle tumor surgery

**Public title**
Evaluation of therapeutic effect of nimodipine on facial nerve injury following brain tumor surgery

**Purpose**
Treatment

**Inclusion/Exclusion criteria**

**Inclusion criteria:**
Patient with CP angle tumor with diameter less than 3 cm and postoperative facial weakness Satisfaction to participate in the study
**Exclusion criteria:**
Facial weakness before surgery Complete nerve disruption during surgery Large tumor diameter (over 3 cm) Tumors other than schwannoma and meningioma

**Age**
To **70 years** old

**Gender**
Both

**Phase**
3

**Groups that have been masked**
*No information*

**Sample size**
Target sample size: **50**

**Randomization (investigator's opinion)**
Not randomized

**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 Tabriz university of medical sciences

**Street address**
Floor 3, Center building N 2, Tabriz university of medical sciences, Golgasht street.

**City**
Tabriz

**Province**
East Azarbaijan

**Postal code**
04133357310

**Approval date**
2019-05-20, 1398/02/30

**Ethics committee reference number**
IR.TBZMED.REC.1398.201

## Health conditions studied

**1**

**Description of health condition studied**
Faintal nerve weakness after surgery

**ICD-10 code**
S04.5

**ICD-10 code description**
Injury of facial nerve

## Primary outcomes

**1**

**Description**
The recovery pattern of the nasal fascia

**Timepoint**
After discharge from the operating room, 3 and 6 months after surgery

**Method of measurement**
House-Brackmann Score

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**
Intervention group: Subjects will be placed on the first day of postoperative post-PO surgery and will be allowed to start feeding or gavage under the semi-mediastin with g60 every 6 hours. The first fallopian is 3 times and then 6 months after the surgery.

**Category**
Treatment - Drugs

## Recruitment centers

**1**

**Recruitment center**

**Name of recruitment center**
Neurosurgery Ward of Emem Reza hospital

**Full name of responsible person**
Mohammad Kazemzadeh Yaghouti Nobar

**Street address**
Imamreza Hospital, Daneshgah Street

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Tabriz

**Province**
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imamreza@tbzmed.ac.ir

## Sponsors / Funding sources

**1**

**Sponsor**

**Name of organization / entity**
Tabriz University of Medical Sciences

**Full name of responsible person**
Mohammad Kazemzadeh Yaghouti Nobar

**Street address**
Vice Chancellor for Research , Faculty of Medicine , Gholghasht Street, Azadi Street, Tabriz

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**Email**
info@medfac.tbzmed.ac.ir

**Web page address**

**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**
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**
Tabriz University of Medical Sciences

**Full name of responsible person**
Dr. Ali Meshkini

**Position**
Professor

**Latest degree**
Specialist

**Other areas of specialty/work**
Neurosurgery

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## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**
Tabriz University of Medical Sciences

**Full name of responsible person**
Mohammad Kazemzadeh Yaghouti Nobar

**Position**
Resident of Neurosurgery

**Latest degree**
Medical doctor

**Other areas of specialty/work**
Neurosurgery

**Street address**
Neurosurgery ward, Emam Reza Hospital, Gholghasht Street, Azadi Street, Tabriz

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## Person responsible for updating data

**Contact**

**Name of organization / entity**
Tabriz University of Medical Sciences

**Full name of responsible person**
Mohammad Kazemzadeh Yaghouti Nobar

**Position**
Resident of Neurosurgery

**Latest degree**
Medical doctor

**Other areas of specialty/work**
Neurosurgery

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**Phone**
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**Email**
kazemzadeh@yahoo.com

**Web page address**

## Sharing plan

**Deidentified Individual Participant Data Set (IPD)**
Yes - There is 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**
Yes - There is a plan to make this available

**Clinical Study Report**
Yes - There is 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

**Title and more details about the data/document**
Study data is accessible by observing moral points of view on the confidentiality of patient information.

**When the data will become available and for how long**
Immediately after the publication of the article

**To whom data/document is available**
Neuropsychiatric specialists in coordination with the presenter

**Under which criteria data/document could be used**
The use of data to improve patients' treatment processes is safe

**From where data/document is obtainable**
Person responsible for updating study information

**What processes are involved for a request to access data/document**
Requesting data and study documents will be done by correspondence with the person responsible for updating the study information.

**Comments**