# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

16 Sep 2026

## The effects of anti-suppression therapy on binoculaity and stereopsis in postoperative constant exotropia patients

## Protocol summary

**Summary**

Our aim in this study is to evaluate the effects of anti-supression therapy on binoculaity and stereopsis in postoperative constant exotropia patients. In a non-randomized, non-blinded, unicenteral clinical trial, 15 patients from both genders who had undergone a surgery to correct exotropia will be invited by phone call to participate in the study. Key inclusion criteria are to have history of operation to correct constant exotropia; to be 10 to 30 year-old; to have severe amblyopia and key exclusion criteria are to be mentally or physically handicapped; to have a concomitant eye disease such as uveitis, cataract or nystgmus; to have tropia over 10 prism dioptre. Patients would perform some anti-supression therapy exercises using major amblyoscope to improve their awareness of the supressed image on the retina of supressed eye for a 1-month period. Fusion status together with the stereopsis level would be measured and recorded before and after the intervention to make comparisons.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT201203039197N1**
Registration date: **2012-03-07, 1390/12/17**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

**Registration date**

2012-03-07, 1390/12/17

**Registrant information**

**Name**

Davood Gharabaghi

**Name of organization / entity**

Tabriz University of Medical Sciences

**Country**

Iran (Islamic Republic of)

**Phone**

+98 41 1330 8362

**Email address**

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**Recruitment status**

**Recruitment complete**

**Funding source**

Faculty of Medicine Tabriz University of Medical Sciences

**Expected recruitment start date**

2011-12-26, 1390/10/05

**Expected recruitment end date**

2012-06-08, 1391/03/19

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

The effects of anti-suppression therapy on binoculaity and stereopsis in postoperative constant exotropia patients

**Public title**

Does anti-supression therapy affect improvment of binocuarity and stereopsis?

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion criteria: (to have history of operation to correct constant exotropia; to be 10 to 30 year-old; to have severe amblyopia; to have visual acuity over 20/200)
Exclusion criteria: (to be mentally or physically handicapped; to have a concomitant eye disease such as uveitis, cataract or nystgmus; to have tropia over 10 prism dioptre)

**Age**
From **10 years** old to **30 years** old
**Gender**
Both

**Phase**
N/A
**Groups that have been masked**
*No information*
**Sample size**
Target sample size: **15**
**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 Tabriz Medcal University
**Street address**
Vice chancellor for research, Tariz Medical University
**City**
Tabriz
**Postal code**
**Approval date**
2011-12-24, 1390/10/03
**Ethics committee reference number**
9089

## Health conditions studied

**1**

**Description of health condition studied**
Constant exotropia
**ICD-10 code**
H50.1
**ICD-10 code description**
Divergent concomitant strabismus

## Primary outcomes

**1**

**Description**
Stereopsis level
**Timepoint**
Iimmediately before the intervention, immediately after the end of the 1-month period of intervention
**Method of measurement**
Randot test

**2**

**Description**
Fusion status
**Timepoint**
Iimmediately before the intervention, immediately after the end of the 1-month period of intervention
**Method of measurement**
Using worth-4-dot test

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**
Patients would perform some anti-supression therapy exercises using major amblyoscope to improve their awareness of the supressed image on the retina of supressed eye 3 times a week for half an hour in each session and for a 1-month period.
**Category**
Treatment - Other

## Recruitment centers

**1**

**Recruitment center**
**Name of recruitment center**
Nikoukari Eye Hospital
**Full name of responsible person**
Davoud Gharabaghi
**Street address**
Nikoukari hospital, Abbasi street
**City**
Tabriz

## Sponsors / Funding sources

**1**

**Sponsor**
**Name of organization / entity**
Vice chancellor for research
**Full name of responsible person**
Alireza Ostad Rahimi
**Street address**
Vice chancellor for research, Tabriz Medical University, 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**
Vice chancellor for research
**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**
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Tabriz Medical Univesity
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Babak Rahimi
**Position**
Resident of ophthalmology
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## Person responsible for scientific inquiries

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## Person responsible for updating data

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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*