

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

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

Protocol summary

Summary

Our aim in this study is to evaluate the effects of anti-suppression therapy on binocularity and stereopsis in postoperative constant exotropia patients. In a non-randomized, non-blinded, unicentral 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-suppression therapy exercises using major amblyoscope to improve their awareness of the suppressed image on the retina of suppressed 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

gharabaghi@tbzmed.ac.ir

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 binocularity and stereopsis in postoperative constant exotropia patients

Public title

Does anti-suppression therapy affect improvement of binocularity 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 Medical 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

Immediately before the intervention, immediately after the end of the 1-month period of intervention

Method of measurement

Randot test

2

Description

Fusion status

Timepoint

Immediately 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-suppression therapy exercises using major amblyoscope to improve their awareness of the suppressed image on the retina of suppressed 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

Name of organization / entity

Tabriz Medical Univesity

Full name of responsible person

Babak Rahimi

Position

Resident of ophthalmology

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Position

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Person responsible for updating data

Contact

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Full name of responsible person

Babak Rahimi

Position

Ophthalmology resident

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