

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Dose- effect relationship of bilateral medial Rectus advancement in the treatment of consecutive exotropia

Protocol summary

Summary

Postoperative deviations 45 days after surgery will be measured by linear strabismometric method. The change in deviation (difference between preoperative and postoperative deviation at 45 days) will correlate to the surgical dose (dose-effect relationship) and the preoperative distance deviation by multiple regression analysis. Multivariate regression analysis will be performed with three and two independent variables (preoperative distance deviation, millimeters of advancement, intraoperative muscle stretch test), with change in deviation as a dependent variable.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201201128712N1**

Registration date: **2016-10-11, 1395/07/20**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-10-11, 1395/07/20

Registrant information

Name

Mojtaba Ziaee

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 3725 6920

Email address

ziaee.m@srbiau.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research, Tabriz University of Medical Sciences .

Expected recruitment start date

2016-09-22, 1395/07/01

Expected recruitment end date

2017-02-19, 1395/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Dose- effect relationship of bilateral medial Rectus advancement in the treatment of consecutive exotropia

Public title

Effect of bilateral medical rectus advancement in the treatment of consecutive exotropia

Purpose

Treatment

Inclusion/Exclusion criteria

All patients had been previously operated for esotropia by surgeons. The operations for esotropia inferred on the basis of the patient and family recollection and clinical examination (in particular, ocular motility and conjunctival scarring). Inclusion criteria: consecutive exotropia; limitation of adduction; convergence insufficiency and/or deviation greater at near than at distance and uni- or bilateral medial rectus muscle advancement. We will exclude patients who underwent simultaneous medial rectus muscle advancement and lateral rectus muscle recession for consecutive exotropia, patients without adduction deficiency, and patients with an intraoperative finding of stretched scar.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

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

Tabriz University of Medical Sciences

Street address

Janbazan Sq. Daneshgah St.

City

Tabriz

Postal code

Approval date

2016-02-15, 1394/11/26

Ethics committee reference number

IR.TBXMED.REC.1394.1136

Health conditions studied

1

Description of health condition studied

Consecutive exotropia

ICD-10 code

H50.1

ICD-10 code description

Divergent concomitant strabismus

Primary outcomes

1

Description

MR advancement

Timepoint

45 days

Method of measurement

Observation

Secondary outcomes

1

Description

XT

Timepoint

45 days

Method of measurement

Observation

2

Description

ET

Timepoint

45 days

Method of measurement

Observation

Intervention groups

1

Description

Patients who undergo bilateral recess MR with CXT muscles and then placed under bilateral MR-adv corrective operations.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Nikoukari Hospital

Full name of responsible person

Dr. Reza Nabei

Street address

Nikoukari Eye Hospital

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Dr Mohammad Reza Rashidi

Street address

Vice chancellor for Research

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

Reza Nabie

Position

Associate Professor of Ophtalmology

Other areas of specialty/work**Street address**

Nikoukari Eye Hospital

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r-nabie@yahoo.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Tabriz University of Medical Sciences

Full name of responsible person

Reza Nabie

Position

Ophtalmologist

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Web page address**Person responsible for updating data****Contact****Name of organization / entity**Complex of Iranian Academic Center for Education,
Culture and Research(ACECR)**Full name of responsible person**

Mojtaba Ziaee

Position

Assistant Professor of Pharmacology

Other areas of specialty/work**Street address**

Medicinal Plants Research Institute

City

Karaj

Postal code**Phone****Fax****Email**

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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*