Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Monocanalicular versus Bicanalicular Silicon Tube Intubation for Nasolacrimal Duct Stenosis in Adults

Protocol summary

Summary

The purpose of this study is compare the sucsses rate of monocanalicular versus bicanalicular intubation of nasolacrimal duct for nasolacrimal duct stenosis in adult. The patients with nasolacrimal duct stenosis and water entranse into troat + water reflux from other panctum in irrigation test are included in this study. The patients with privious lacrimal surgery, privious lacrimal trauma, sinus disease, punctal or lid disease, ocular surface disease, removal of silicon stent before 3 months, follow up <3 months are excluded. In a prospective randomized clinical trial, 56 eyes with nasolacrimal duct stenosis undergo either monocanalicular silicone intubation (35 eyes) or bicanalicular silicone intubation (35 eyes).Tube removal was planned for 3 months postoperatively. Treatment success was defined abcence of epiphora at 3 months after tube removal.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201102234580N1**
Registration date: **2011-04-13, 1390/01/24**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2011-04-13, 1390/01/24

Registrant information

Name

Dima Andalib

Name of organization / entity

Nikookary eye hospital, Tabriz Univesity of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1655 1332

Email address

andalibd@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz university of medical sciences

Expected recruitment start date

2010-10-29, 1389/08/07

Expected recruitment end date

2012-03-10, 1390/12/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Monocanalicular versus Bicanalicular Silicon Tube Intubation for Nasolacrimal Duct Stenosis in Adults

Public title

Monocanalicular versus Bicanalicular Silicon Tube Intubation for Nasolacrimal Duct Stenosis in Adults

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: 1.epiphora 2.water entranse into troat + water reflux from other panctum in irrigation test 3.DDT test> 5 minutes 3.NLD obstruction in scinthigraphy. Exclusion criteria: 1.privious lacrimal surgery 2.privious lacrimal trauma 3.sinus disease 4.punctal or lid disease 5.ocular surface disease 6.removal of silicon stent before 3 months 7.follow up <3 months.

Age

From **14 years** old to **80 years** old

Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **28**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
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
Tabriz university of medical sciences
City
Tabriz
Postal code
Approval date
2010-09-27, 1389/07/05
Ethics committee reference number
5/4/4867

Health conditions studied

1

Description of health condition studied
Nasolacrimal duct stenosis
ICD-10 code
H04.5
ICD-10 code description
Stenosis and insufficiency of lacrimal passages

Primary outcomes

1

Description
Abcense of epiphora
Timepoint
3 months after tube removal
Method of measurement
DDT test

Secondary outcomes

1

Description
complication
Timepoint
3 months after tube removal
Method of measurement
examination

Intervention groups

1

Description
group 1: monoanalicular silicon intubation
Category
Treatment - Surgery

2

Description
Group2: bicanalicular silicon tube intubation
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Nikookary Eye Hospital
Full name of responsible person
Dr. Dima Andalib
Street address
Abbasi st.
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz university of medical sciences
Full name of responsible person
Vice chancellory for research
Street address
Tabriz university of medical sciences
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

Nikookary hospital

Full name of responsible person

Dr. Dima Andalib

Position

Assistant professor

Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

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