Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Outcome of external dacryocystorhinostomy with monocanalicular intubation versus bicanalicular intubation in patient with primary acquired nasolacrimal duct obstruction

Protocol summary

Summary

Patients complaining of lacrimation and other signs and symptoms of nasolacrimal duct obstruction, referred to Nikookari hospital (Tabriz, Iran), will undergo clinical examination, probing and irrigation of nasolacrimal duct. Patients with a history of surgery on nasolacrimal ducts or with a diagnosis of secondary obstruction of nasolacrimal ducts will be excluded from the study. Fifty-one patients will be chosen and randomly divided in two groups of A and B. In group A intervention includes external dacteriucyctrinostomy with intubation monocanalicular (silicon tube) and in group B intervention includes external dacteriucyctrinostomy with bicanalicolar intubation . After six weeks silicon tube will be removed and patients will be followed for three month. The success rate of interventions will be evaluated by MUNK scoring system.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201409166033N4**
Registration date: **2014-09-26, 1393/07/04**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-09-26, 1393/07/04

Registrant information

Name

Reza Nabie

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 411365577236

Email address

nabier@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2012-07-10, 1391/04/20

Expected recruitment end date

2012-09-10, 1391/06/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Outcome of external dacryocystorhinostomy with monocanalicular intubation versus bicanalicular intubation in patient with primary acquired nasolacrimal duct obstruction

Public title

Treatment of Nasolacrimal duct obstruction

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All patient with primary acquire nasolacrimal duct obstruction Exclusion criteria: History of surgery on nasolacrimal duct, Secondary obstruction in nasolacrimal duct

Age

No age limit

Gender

Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **51**
Randomization (investigator's opinion)
N/A
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
Ethic Committee of Tabriz University Of Medical Sciences
Street address
Room 202 , second floor , Research deputy , Tabriz University Of Medical Sciences , Daneshgah street
City
Tabriz
Postal code
Approval date
2012-11-12, 1391/08/22
Ethics committee reference number
9391

Health conditions studied

1

Description of health condition studied
primary acquire nasolacrimal duct obstruction
ICD-10 code
H04.3
ICD-10 code description
Acute and unspecified inflammation of lacrimal passages

Primary outcomes

1

Description
The degree of nasolacrimal duct obstruction
Timepoint
Every 6 weeks
Method of measurement
MUNK scoring system

Secondary outcomes

1

Description
Foreign body sensation
Timepoint
Every 6 weeks
Method of measurement
MUNK scoring system

Intervention groups

1

Description
External dacteriucyctrinostomy with monocanalicular intubation
Category
Treatment - Surgery

2

Description
External dacteriucyctrinostomy with bicanalicular intubation
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Nikookari Hospital
Full name of responsible person
Rambod Saburihamed
Street address
Room 303, 3rd floor , NIkookari Hospital , Abbasi street
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research Deputy of Tabriz University Of Medical Sciences
Full name of responsible person
Mohamadreza Rashidi
Street address
Room 201 , second floor , Research deputy , Tabriz University Of Medical Sciences , Daneshgah street
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Tabriz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Research Deputy of 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

Raheleh Entezari

Position

physician

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Person responsible for updating data

Contact

Name of organization / entity

Tabriz University Of Medical Sciences

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physician

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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