Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Efficacy of probing accompanied by mitomycin-c for treatment of complete, primery nasolacrimal duct obstruction in adults in Jahrom Mottahari hospital between 1386-88

Protocol summary

Summary

The objective of this study is to determine the efficacy of probing with adjunctive mitomycin-c (MMC) in adults with nasolacrimal duct obstruction (NLDO).This is a randomized, double-blind, placebo controlled trial study. The study population compromised adults with nasolacrimal duct obstruction. We will include men and women adult patients aged 18 or more with chief complaint of epiphora and will exclude those with lacrimal duct anomalies. Sample size will be 140 patients whom will divide into two groups (each one with 70 patients). Case group will receive 0.2 mg/ml mitomycin-c and controls will receive normal saline as placebo. Patients will be followed up 9 moths. Patients' post probing epiphora was evaluated at 2 weeks, 1, 3, 6 and 9 months postoperatively.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013040310241N1**
Registration date: **2013-04-11, 1392/01/22**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-04-11, 1392/01/22

Registrant information

Name

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Name of organization / entity

Jahrom University of Medical Sciences

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Jahrom University of Medical Sciences

Expected recruitment start date

2008-04-03, 1387/01/15

Expected recruitment end date

2009-12-03, 1388/09/12

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Efficacy of probing accompanied by mitomycin-c for treatment of complete, primery nasolacrimal duct obstruction in adults in Jahrom Mottahari hospital between 1386-88

Public title

Efficacy of probing with mitomycin-c in treatment of nasolacrimal duct obstruction.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:1. Adults aged 18 or more. 2. Both sexes of men and women. 3. Patients with chief complaint of epiphora. Exclusion criteria: 1. Eye trauma. 2. Nasal structure abnormalities. 3. lacrimal system tumors.

Age

From **18 years** old to **100 years** old

Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **140**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Jahrom University of Medical Sciences
Street address
Research department, Jahrom University of Medical Sciences, Motahari avenue, Jahrom, Fars, Iran
City
Jahrom
Postal code
193
Approval date
2007-07-31, 1386/05/09
Ethics committee reference number
5016/د/آ

Health conditions studied

1

Description of health condition studied
Nasolacrimal duct obstruction
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
Amount of epiphora
Timepoint
Two weeks, 1, 3, 6, and 9 months post intervention.
Method of measurement
Observational

Secondary outcomes

empty

Intervention groups

1

Description
0.2 mg/ml mitomycin-c during nasolacrimal probing
Category
Treatment - Drugs

2

Description
Normal saline during nasolacrimal probing
Category
Placebo

Recruitment centers

1

Recruitment center
Name of recruitment center
Motahari hospital
Full name of responsible person
Street address
City
Jahrom

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Jahrom University of Medical Sciences
Full name of responsible person
Dr Kavous Solhjou
Street address
Research department, Jahrom University of medical Scieces, Jahrom, Fars, Iran
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Jahrom
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Jahrom 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

Jahrom University of Medical Sciences

Full name of responsible person

Dr. Morteza Pourahmad

Position

M.D.

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