

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Sep 2026

Evaluation of the effect pilocarpine mouthwash and saline on the amount saliva in students in ahwaz jundi shspur university of medical scieces

Protocol summary

Summary

The aim of this study is to evaluate the effect pilocarpine mouthwash on amount saliva in students of ahwaz jundishapur university. In this clinical trial and double-blind study 86 healthy students are included. Participants with any systemic disease or drug intake are excluded. Students are asked to avoid eating, drinking and brushing their teeth for 90 minutes before taking the mouthwash. Participants are randomly divided into two groups: Group A (Cases) [Students who get the pilocarpine] Group B (Control) [Students who get saline instead of the pilocarpine] Each students will use the mouthwash (Pilocarpine or saline) only once. Their saliva will be collected before, immediately and one hour after mouthwash rinse.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014102719698N1**

Registration date: **2015-02-07, 1393/11/18**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-02-07, 1393/11/18

Registrant information

Name

Fatemeh Babadi

Name of organization / entity

Ahwaz jundi Shapur University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 3320 5319

Email address

babadi-f@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahwaz Jundi Shapur University Of Medical Scieces

Expected recruitment start date

2014-12-11, 1393/09/20

Expected recruitment end date

2015-06-10, 1394/03/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect pilocarpine mouthwash and saline on the amount saliva in students in ahwaz jundi shspur university of medical scieces

Public title

The Effect of pilocarpine mouthwash on measure saliva

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : healthy students exclusion criteria : cardiovascular disease , asthma , radiotherapy , drugs user and any systemic conditions effect on a mouth saliva

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 86

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

Ahwaz Jundi Shapur University Of Medical Sciences

Street address

Univercity Of Medical Sciences , Golestan , Ahwaz

City

Ahwaz

Postal code

Approval date

2014-10-04, 1393/07/12

Ethics committee reference number

ajums.REC.1393.237

Health conditions studied

1

Description of health condition studied

Amount Saliva

ICD-10 code

R85

ICD-10 code description

Abnormal findings in specimens from digestive organs and abdominal cavity

Primary outcomes

1

Description

measure saliva

Timepoint

before intervention ,immediately after intervention , 1 h after intervention

Method of measurement

ML

Secondary outcomes

1

Description

measure moisture mouth

Timepoint

1h after intervention

Method of measurement

on the basies questionnaire

2

Description

speaking condition

Timepoint

1h after intervention

Method of measurement

on the basies questionnaire

3

Description

ingestion condition

Timepoint

1h after intervention

Method of measurement

on the basies questionnaire

4

Description

feeling saltiness taste

Timepoint

1h after intervention

Method of measurement

on the basies questionnaire

Intervention groups

1

Description

Intervention Group :2% Concentrtion , Once , Pilocarpine Mouthwash

Category

Placebo

2

Description

Control Group :2% Concentrtion , Once , Placebo (Saline) , Mouthwash Once

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Ahwaz Jundi Shapur University Of Medical Sciences
School Of Dental Medicine

Full name of responsible person

Dr Fatemeh Babadi

Street address

Ahwaz Jundi Shapur University Of Medical Sciences

City

Ahwaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahwaz Jundi Shapur University Of Medical Sciences

Full name of responsible person

Dr Fatemeh Babadi

Street address

Ahwaz Jundi Shapur University Of Medical Sciences
School Of Dental Medicine

City

Ahwaz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Ahwaz Jundi Shapur 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

Ahwaz Jundi Shapur University Of Medical Sciences

Full name of responsible person

Dr Fatemeh Babadi

Position

Asistant Professor Of Oral And Maxillofatioal Medicen

Other areas of specialty/work

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Full name of responsible person

Dr Fatemeh Babadi

Position

Specialist Oral And Maxillofatioal Disease

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Other areas of specialty/work

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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