

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

30 May 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**

**Street address**

Ahwaz Jundi Shapur University Of Medical Sciences

**City**

Ahwaz

**Postal code**

**Phone**

+98 61 3443 4574

**Fax**

**Email**

babadi-f@ajums.ac.ir , babadi.fatemeh@yahoo.com

**Web page address**

## Person responsible for scientific

## inquiries

**Contact**

**Name of organization / entity**

Ahwaz Jundi Shapur University Of Medical Sciences

**Full name of responsible person**

Dr Fatemeh Babadi

**Position**

Specialist Oral And Maxillofatioal Disease

**Other areas of specialty/work**

**Street address**

Ahwaz Jundi Shapur University Of Medical Sciences

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## Person responsible for updating data

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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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## 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*