

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

“Studying effect of acupuncture in controlling (reducing) the gag reflex in patients requiring an upper alginate impression in female students of islamic azad dental university ”

Protocol summary

Summary

1) Considering pronounced gag reflex during dental impression and according to the side effects of conventional techniques for controlling the gag reflex , this study was carried out in 1392, with the aim of examining the effect of acupuncture on those who experience nausea during upper alginate impression. 2) The study was done by clinical trial method of Cross-Over type and the case study consisted of female students of the faculty of dentistry who experienced gag reflex during upper alginate impression 3) The degree of reflex was determined and recorded by GSI (Gagging severity index) and GPI (Gagging Preventive index) on objective form by operator and also by VAS (Visual analogue scale) standard on Subjective form by patients. 4) The patients with $GSI \geq 3$ (patients with GSI 1&2) were excluded and those who have signed the consent form were included in the study and were put into three categories based on the severity of their initial reflex. 5) In the control group without acupuncture and in the experimental group 1, acupuncture was carried out on LI4 point with chi sensation and in the experimental group 2, acupuncture was carried out on (shenmen, stomach, throat) points on ear. 6) By considering the nature of the study and groups, sixty samples were taken from 20 people. GSI/GPI VAS

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014042917484N1**

Registration date: **2014-06-11, 1393/03/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-06-11, 1393/03/21

Registrant information

Name

Samane Noroozi

Name of organization / entity

Azad university

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2013-10-02, 1392/07/10

Expected recruitment end date

2013-10-12, 1392/07/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

“Studying effect of acupuncture in controlling (reducing) the gag reflex in patients requiring an upper alginate impression in female students of islamic azad dental university ”

Public title

“Studying effect of acupuncture in controlling (reducing) the gag reflex”

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All of whom have had gag reflex of type 3 or more based on both indexes(GSI & VAS) and they Signed a consent form

Age

From **23 years** old to **33 years** old

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic committee of Islamic Azad university dental branch

Street address

Pasdaran street, Neyestan 10 alley .

City

Tehran

Postal code

Approval date

2013-07-08, 1392/04/17

Ethics committee reference number

پ/160/د

Health conditions studied

1

Description of health condition studied

Acupuncture

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Gag reflex

Timepoint

Before and after intervention

Method of measurement

GSI/GPI &VAS

Secondary outcomes

empty

Intervention groups

1

Description

In sham group acupuncture were carried out on LI4 point with chi sensation

Category

Treatment - Other

2

Description

In case group acupuncture were carried out on (shenmen,stomach,throat) points in ear.

Category

Treatment - Other

3

Description

In control group without acupuncture

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Islamic Azad University, School of Dentistry of Tehran

Full name of responsible person

Investigator

Street address

Pasdaran street Neyestan 10 alley

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research,Tehran azad University of Medical Sciences,dental branch

Full name of responsible person

Dr Azizi Arash

Street address

Pasdaran street Neyestan 10

City

Tehran

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice chancellor for research, Tehran azad University of Medical Sciences, dental branch

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**

Islamic Azad University, School of Dentistry of Tehran

Full name of responsible person

Investigator

Position

Student

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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*