# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

16 Sep 2026

## The effect of buccal corticotomy in accelerating orthodontic canine movement

## Protocol summary

**Summary**

Aim: The effect of buccal corticotomy in accelerating orthodontic canine movement status study design: Non Randomized Population: 15 patient who need extraction of two maxillary premolars with maximum canine retraction Inclusion criteria: Need of Extraction of two maxillary premolar Extraction in maxilla; informed consent of patient Exclusion criteria: Non compliancy of patients Sample size: 15 patients Intervention studied:Buccal corticotomy at extracted to site Intervention time: At time of tooth extraction

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2013082014415N1**
Registration date: **2014-07-12, 1393/04/21**
Registration timing: **retrospective**

Last update:
Update count: **0**

**Registration date**

2014-07-12, 1393/04/21

**Registrant information**

**Name**
Mohammad Reza Jahanbakhshi
**Name of organization / entity**
Islamic university of khurasegan
**Country**
Iran (Islamic Republic of)
**Phone**
+98 31 1535 4053
**Email address**
m.jahanbakhshi@khuisf.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**
Investigator

**Expected recruitment start date**

2012-12-21, 1391/10/01

**Expected recruitment end date**

2013-11-16, 1392/08/25

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

The effect of buccal corticotomy in accelerating orthodontic canine movement

**Public title**

The effect of buccal corticotomy in accelerating orthodontic canine movement

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion criteria: Need for two first premolari Extraction in maxilla; informed consent of patient Exclusion criteria: Non compliancy of patients

**Age**

From **2 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **15**

**Randomization (investigator's opinion)**

N/A

**Randomization description**

**Blinding (investigator's opinion)**

Not blinded
**Blinding description**
**Placebo**
Not used
**Assignment**
Single
**Other design features**

## Secondary Ids

empty

## Ethics committees

**1**

**Ethics committee**
**Name of ethics committee**
Islamic Azad University of Isfahan(Khorasgan), Dental School
**Street address**
Islamic Azad University of Isfahan(Khorasgan), Jey Street
**City**
Isfahan
**Postal code**
**Approval date**
2010-09-23, 1389/07/01
**Ethics committee reference number**
23810201921022

## Health conditions studied

**1**

**Description of health condition studied**
orthodontic
**ICD-10 code**
Z46.4
**ICD-10 code description**
Fitting and adjustment of orthodontic device

## Primary outcomes

**1**

**Description**
Rate of tooth movement
**Timepoint**
Two weeks
**Method of measurement**
Compass & caliper

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**
Buccal corticotomy at the intervention side
**Category**
Treatment - Surgery

## Recruitment centers

**1**

**Recruitment center**
**Name of recruitment center**
Dept of orthodontics, Islamic Azad Dental School Khorasgan Branch, (Isfahan), Iran
**Full name of responsible person**
Mohammad Reza Jahanbakhshi
**Street address**
**City**
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## Sponsors / Funding sources

**1**

**Sponsor**
**Name of organization / entity**
Islamic Azad University of Isfahan (Khorasgan), Dental School
**Full name of responsible person**
Mohammad Reza Jahanabakhsi
**Street address**
Dental School, Islamic Azad University of Isfahan (Khorasgan), Jey Street
**City**
Isfahan
**Grant name**
**Grant code / Reference number**
**Is the source of funding the same sponsor organization/entity?**
Yes
**Title of funding source**
Islamic Azad University of Isfahan (Khorasgan), Dental School
**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 of Isfahan(Khorasgan), Dental School
**Full name of responsible person**
Mohammad Reza Jahanbakhshi
**Position**

Postgraduated student of Orthodontics

**Other areas of specialty/work**

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## Person responsible for scientific inquiries

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## 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*