

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

The effect of the pressure bandage use in varying the pain and swelling after lower third molar surgery.

Protocol summary

Summary

(1) Objectives: Decreasing pain and swelling after wisdom tooth surgery. (2) Designs: In this study, 34 patients of Tabriz faculty of dentistry will be chosen and routine wisdom tooth surgery will be done for both of their lower wisdom teeth. (3) Setting and conduct: Case side will be chosen randomly. All surgeries will be done by the same surgeon under same circumstances. (4) Participants including major eligibility criteria: Patients with bilateral impacted lower third molars of same position will be included. Patients with systemic disease will be excluded. (5) Intervention: After the operation, Barton bandage will be used for one side. Bandage won't be used for the other side. (6) Main outcome measures (variables): Patients will be examined 48 hours after surgery. Pain would be measured one and two days after surgery. Depending on the pain severity 0 to 3 would be documented. Swelling coefficient would be measured by determining tragus- mouth corner and gonion - lateral canthus distances before and after surgery.

Tabriz university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 1334 6147

Email address

ghmd@irimc.org

Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2011-03-20, 1389/12/29

Expected recruitment end date

2012-03-19, 1390/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012092510935N1**

Registration date: **2013-02-16, 1391/11/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-02-16, 1391/11/28

Registrant information

Name

Mohammad Ali Ghavimi

Name of organization / entity

Scientific title

The effect of the pressure bandage use in varying the pain and swelling after lower third molar surgery.

Public title

The effect of the pressure bandage use in varying the pain and swelling after lower third molar surgery.

Purpose

Prevention

Inclusion/Exclusion criteria

Major Inclusion criteria: Having bilateral impacted third molars; Having impacted third molars in the same position. Major Exclusion criteria: Systemic diseases; bone diseases

Age

From **18 years** old to **35 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 34

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

1

Registry name

ندارد

Secondary trial Id

ندارد

Registration date

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tabriz university of medical sciences

Street address

Golgasht St, Azadi Ave

City

Tabriz

Postal code

5166414766

Approval date

2012-07-30, 1391/05/09

Ethics committee reference number

9173

Health conditions studied

1

Description of health condition studied

Swelling

ICD-10 code

R60

ICD-10 code description

Oedema, not elsewhere classified

2

Description of health condition studied

Pain

ICD-10 code

R52.9

ICD-10 code description

Pain, unspecified

Primary outcomes

1

Description

Swelling

Timepoint

Before and 48 hours after surgery

Method of measurement

Millimeters by meterstick

Secondary outcomes

1

Description

Pain

Timepoint

24 and 48 hours after surgery

Method of measurement

Questionnaire

Intervention groups

1

Description

Intervention: Using Barton bandage that is a kind of pressure bandage during 24 hours after surgery of one side impacted wisdom tooth.

Category

Prevention

2

Description

Control: Not using Barton bandage after surgery of the other side impacted wisdom tooth.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Faculty of dentistry, Tabriz university of medical sciences

Full name of responsible person

Mohammad Ali Ghavimi

Street address

Golgasht St, Azadi Ave

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Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz university of medical sciences vice chancellor
for research

Full name of responsible person

Seyed Kazem Shakouri

Street address

Golgasht St, Azadi Ave

City

Tabriz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tabriz university of medical sciences vice chancellor for
research

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

Tabriz university of medical sciences

Full name of responsible person

Mohammad Ali Ghavimi

Position

Assistant professor

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