

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

Comparison of the effect of dexamethasone and methylprednisolone on complications of wisdom teeth surgery in patients refer to ahvaz dental school

Protocol summary

Study aim

Comparison of the effect of dexamethasone and prednisolone on complications of bilateral wisdom tooth surgery

Design

This study was without a control group Phase 1-2 on 16 patients No parallel group BlindedT

Settings and conduct

This clinical trial is performed on 16 patients referred to the Oral and Maxillofacial Surgery Department of Ahvaz Jundishapur University, who must be systemically healthy. Patients should have almost identical impacted wisdom teeth in the mandible, which is assessed by panoramic imaging.

Participants/Inclusion and exclusion criteria

Patients with systemic health

Intervention groups

In this study, there is a group receiving two drugs The first group received 40 mg oral methylprednisolone tablets The second group received dexamethasone 8 mg oral tablets

Main outcome variables

□ Measurement of swelling after impacted wisdom tooth surgery with drug treatment

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20211207053314N1**

Registration date: **2021-12-11, 1400/09/20**

Registration timing: **prospective**

Last update: **2021-12-11, 1400/09/20**

Update count: **0**

Registration date

2021-12-11, 1400/09/20

Registrant information

Name

Masoud Hajizadeh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 1374 3422

Email address

hajizadeh.ma@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-12-22, 1400/10/01

Expected recruitment end date

2022-05-06, 1401/02/16

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of dexamethasone and methylprednisolone on complications of wisdom teeth surgery in patients refer to ahvaz dental school

Public title

Comparison of the effect of dexamethasone and methylprednisolone on complications of wisdom teeth surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Patients with systemic health

Exclusion criteria:

Any patient who has a long history of taking aspirin and other medications or corticosteroids

Age

No age limit

Gender

Both

Phase

1-2

Groups that have been masked

No information

Sample size

Target sample size: 16

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**

Ethics Committee of Ahwaz University of Medical Sciences

Street address

No 7, Bakhshayesh Ave, Fatemi Ave, West Shariati Blvd

City

Ahwaz

Province

Khuzestan

Postal code

6198685353

Approval date

2021-11-23, 1400/09/02

Ethics committee reference number

IR.AJUMS.REC.1400.527

Health conditions studied**1****Description of health condition studied**

Comparison of the effect of dexamethasone and methylprednisolone on reducing atraction complications

ICD-10 code

K01.1

ICD-10 code description

Impacted teeth

Primary outcomes**1****Description**

□ Measurement of swelling after impacted wisdom tooth surgery with drug treatment

Timepoint

1,3,5,7 day

Method of measurement

Nylon thread and millimeter ruler

Secondary outcomes**1****Description**

Mouth opening rate

Timepoint

1,3,5,7 day

Method of measurement

collis

Intervention groups**1****Description**

Intervention group 1: Prednisolone tablets (40 mg) orally of Abu Reihan company are used 12 hours before and 12 hours after surgery The second intervention group used oral dexamethasone (8 mg) tablets of Abu Reihan company 12 hours before and 12 hours after surgery.

Category

Treatment - Surgery

Recruitment centers**1****Recruitment center****Name of recruitment center**

Ahwaz Dental School

Full name of responsible person

Ershad Hemati

Street address

Dental school, Dey Ave , Golestan town

City

Ahwaz

Province

Khuzestan

Postal code

6135715775

Phone

+98 61 3320 5170

Fax

+98 61 3320 5320

Email
dental-research@ajums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Mehdi Ahmadi Moghadam

Street address

Golestan, Valiasr St., Ahvaz University of Medical Sciences

City

Ahwaz

Province

Khouzestan

Postal code

6135715794

Phone

+98 61 3336 2414

Email

itc@ajums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Ahvaz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Masoud Hajizadeh

Position

student

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

Street address

No 7, Bakhshayesh Ave, Fatemi Ave, West Shariati Blvd

City

Ahwaz

Province

Khouzestan

Postal code

6135715775

Phone

+98 61 3320 5170

Email

masoudfmz@yahoo.com

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Ershad Hemati

Position

Assistant Professor

Latest degree

Specialist

Other areas of specialty/work

Dentistry

Street address

No 4, Pahlavan Ave, Keyanpars Blvd

City

Ahwaz

Province

Khouzestan

Postal code

6135715775

Phone

+98 61 3320 5170

Email

masoudfmz@yahoo.com

Person responsible for updating data

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Masoud Hajizadeh

Position

student

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

Street address

No 7, Bakhshayesh Ave, Fatemi Ave, West Shariati Blvd

City

Ahwaz

Province

Khouzestan

Postal code

6135715775

Phone

+98 61 3320 5170

Email

masoudfmz@yahoo.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to

make this available

Title and more details about the data/document

Part of the data can be shared

When the data will become available and for how long

Access starts 3 months after the results are published

To whom data/document is available

Only for researchers working in academic and scientific institutions

Under which criteria data/document could be used

There are no conditions And all colleagues can use all the data

From where data/document is obtainable

Email address

What processes are involved for a request to access data/document

Finally one week after requesting data or documentation

Comments