Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of the analgesic effect of Meloxicam and Ibuprofen on post endodontic pain

Protocol summary

Study aim
Comparison of the analgesic effect of Meloxicam and Ibuprofen on post endodontic pain
Design
Twenty-two patients with irreversible pulp recognition and two lateral tooth (left and right), will be selected .This study is clinical trial and double blind.
Settings and conduct
Twenty-two patients with irreversible pulp recognition and two lateral tooth (left and right), will be selected .This study is clinical trial and double blind.This study is double blind. Researcher who complete questionnaire and analyzer are blind (double blind).Outcome assessor and analyzer don't aware from grouping.The person evaluating the outcome is unaware of the grouping. Groups A and B are available to analyzer and outcome assessor.
Participants/Inclusion and exclusion criteria
Inclusion criteria:Recognize pulpitis irreversible, Both of gender Exclusion criteria:Lack of cooperation
Intervention groups
We treat patients in Ibuprofen group by 11 tab of Ibuprofen 400 milligram(Aria,Tehran,Iran). We treat patients in Meloxicam group by 11 tab of Meloxicam 7.5 milligram(Zahravi,Tabriz,Iran).
Main outcome variables
Pain

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20141209020258N109**
Registration date: **2019-04-27, 1398/02/07**
Registration timing: **registered_while_recruiting**

Last update: **2019-04-27, 1398/02/07**
Update count: **0**
Registration date
2019-04-27, 1398/02/07

Registrant information
Name
Fariba Farokhi
Name of organization / entity
Arak University of Medical Sciences
Country
Iran (Islamic Republic of)
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+98 86 3222 2003
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2019-01-21, 1397/11/01
Expected recruitment end date
2020-01-21, 1398/11/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Comparison of the analgesic effect of Meloxicam and Ibuprofen on post endodontic pain

Public title
Comparison of the analgesic effect of Meloxicam and Ibuprofen on post endodontic pai
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:

Recognize pulpitis irreversible Both of gender

Exclusion criteria:

Lack of cooperation

Age

From **20 years** old

Gender

Both

Phase

2-3

Groups that have been masked

- Outcome assessor
- Data analyser

Sample size

Target sample size: **22**

Randomization (investigator's opinion)

Randomized

Randomization description

Simple individual randomization with random number table in division of groups in two groups A and B. Randomization method: Simple randomization. Random unit: Individual. How to build sequences: First, we set the framework for our statistical society. We started from a table point in a row or column. Given the type of code in the row, we chose the same number of digits. After that, the numbers control the path. We noticed smaller numbers of the statistical community. We have to continue this work so that the number of samples is completed.Even numbers were used for intervention group and odd numbers were used for the control group. Allocation concealment:Numbered drug containers

Blinding (investigator's opinion)

Double blinded

Blinding description

This study is double blind. Researcher who complete questionnaire and analyzer are blind (double blind).Outcome assessor and analyzer don't aware from grouping.The person evaluating the outcome is unaware of the grouping. Groups A and B are available to analyzer and outcome assessor.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee Arak University Of Medical Sciences

Street address

Vice chancellor for research, Payambar azam complex, Basij squre, Sardasht, Arak

City

Arak

Province

Markazi

Postal code

38149578558

Approval date

2019-01-13, 1397/10/23

Ethics committee reference number

IR.ARAKMU.REC.1397.284

Health conditions studied

1

Description of health condition studied

pulpitis irreversible

ICD-10 code

K04.0

ICD-10 code description

Pulpitis

Primary outcomes

1

Description

Pain

Timepoint

After 2 weeks

Method of measurement

Analog Visual scale

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: We treat patients in Ibuprofen group by 11 tab of Ibuprofen 400 milligram(Aria,Tehran,Iran).

Category

Treatment - Drugs

2

Description

Intervention group: We treat patients in Meloxicam group by 11 tab of Meloxicam 7.5 milligram(Zahravi,Tabriz,Iran).

Category

Treatment - Drugs

3

Description

Intervention group: We treat patients in Ibuprofen group by 11 tab of Ibuprofen 400 milligram(Aria,Tehran,Iran).

Category

Treatment - Drugs

4

Description
Intervention group: We treat patients in Meloxicam group by 11 tab of Meloxicam 7.5 milligram(Zahravi,Tabriz,Iran).
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Dental clinic
Full name of responsible person
Dr Najmeh Kermani
Street address
Payambar Azam Complex, Basij square, Sardasht, Arak
City
Arak
Province
Markazi
Postal code
3848176941
Phone
+98 86 3417 3645
Email
kermani@arakmu.ac.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor For Research, Arak University Of Medical Science
Full name of responsible person
Dr Mohammad Arjmandzadegan
Street address
Vice Chancellor For Research, Arak University Of Medical Science
City
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Postal code
3848176941
Phone
+98 86 3417 3645
Email
arjmandzadegan@arakmu.ac.ir
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, Arak University Of Medical Science
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
Arak University of Medical Sciences
Full name of responsible person
Dr Najmeh Kermani
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Dentistry
Street address
Payambar Azam Complex, Basij square, Sardasht, Arak
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Person responsible for scientific inquiries

Contact
Name of organization / entity
Arak University of Medical Sciences
Full name of responsible person
Dr Najmeh Kermani
Position
Assistant Professor
Latest degree
Specialist
Other areas of specialty/work
Dentistry
Street address
Payambar Azam Complex, Basij square, Sardasht, Arak
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Person responsible for updating data

Contact

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Raziye Zokaei

Position

Dental student

Latest degree

A Level or less

Other areas of specialty/work

Dentistry

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Email

raziyezokaei73@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

Yes - There is 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

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

When we publish article in journal

When the data will become available and for how long

After the article is published

To whom data/document is available

researcher in university

Under which criteria data/document could be used

If there are additional questions

From where data/document is obtainable

Dr Kermani

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

They have to write letters to the professors and the university

Comments