Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

A comparative study on the effect of ginger and gelofen on postoperative pain after tooth extraction

Protocol summary

Study aim

Determine ginger gel effectiveness compared to gelofen in relieving pain after tooth extraction

Design

A clinical study will be conducted on patients in the dental clinic. The sample size was 60 (30 persons per group). Before treatment, patients are given an explanation for the current research, and after receiving the necessary information, patients are given written consent for treatment. Patient treatment is done in a single session by a specific dentist. After reaching complete anesthesia, the tooth was removed by forceps. The selection of the drug was carried out in a series of 60 envelopes containing 30 envelopes containing gelofen capsules (400 mg, Tehran drug) and 30 envelopes containing ginger capsules (250 mg Zinatuma capsule, drug flower) And codes A and B are inserted. The fact that the researcher does not know the prescribed prescription is to encode and give the medication to one of the secretaries. Patients are examined and examined by the researcher for at least 3 days after removal of the tooth.

Settings and conduct

Blind study is done. The patient and the researcher are not aware of the type of medication received.The drugs are placed in the envelope by the secretary.

Participants/Inclusion and exclusion criteria

Persons aged 18 to 65 years No use of analgesic or drug treatment 4 hours before referral No history of food allergy, certain medication Exit criteria Need for surgical intervention Pregnant and lactating women

Intervention groups

Ginger capsule 250 mg, 12 tablets every 6 hours One tablet is given for 72 hours

Main outcome variables

Less use of chemical drugs: reduce side effects

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20171206037770N1**
Registration date: **2018-08-24, 1397/06/02**
Registration timing: **retrospective**

Last update: **2018-08-24, 1397/06/02**
Update count: **0**

Registration date

2018-08-24, 1397/06/02

Registrant information

Name

jahed faridi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 74 3333 5199

Email address

jahedfaridi@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-04-21, 1397/02/01

Expected recruitment end date

2018-06-21, 1397/03/31

Actual recruitment start date

2018-04-21, 1397/02/01

Actual recruitment end date

2018-06-21, 1397/03/31

Trial completion date

empty

Scientific title

A comparative study on the effect of ginger and gelofen on postoperative pain after tooth extraction

Public title
A comparative study on the effect of ginger and gelofen
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
People aged 18 to 65 years old come to the tooth exit No use of analgesics or other traditional drugs 4 hours before the visit No drug use 4 hours before the visit No history of food allergy, certain medication
Exclusion criteria:
Patients with history of cardiovascular, hormonal, blood, electrolyte, liver and kidney disease No lesion or periapical radiographic examination Need for surgical intervention Pregnant and lactating women
Age
From **18 years** old to **65 years** old
Gender
Both

Phase
3
Groups that have been masked

- Participant
- Investigator

Sample size
Target sample size: **60**
Actual sample size reached: **60**
Randomization (investigator's opinion)
Randomized
Randomization description
Referring to the conditions for entry into the study, the subject of the research will be described to them, and if the form of informed consent is completed, the random allocation of the block with the quadruple blocks is assigned to one of the two intervention and control groups.. RUN 1: A A B B RUN 2: A B A B RUN 3: B A A B RUN 4: B A B A RUN 5: B B A A RUN 6: A B B A
Blinding (investigator's opinion)
Double blinded
Blinding description
The selection of the drug was done in this way, with 60 envelopes of 30 envelopes containing gelofen capsules and 30 envelopes containing ginger capsules (capsules Zintoma) and codes A and B inserted. The fact that the researcher does not know the prescribed prescription is to encode and give the medication to one of the secretaries. Patients are examined and examined by the researcher for at least 3 days after removal of the tooth
Placebo
Not used
Assignment
Other
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee of Yasouj University of Medical Sciences
Street address
Town of Imam Hussein, a subsidiary of No. 17
City
Yasouj
Province
Kohgilouyeh-va-Boyrahmad
Postal code
7591817719
Approval date
2018-02-03, 1396/11/14
Ethics committee reference number
IR.YUMS.REC.1396.160

Health conditions studied

1

Description of health condition studied
Tooth extraction
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
Pain After Tooth Extraction
Timepoint
Hour 6,12,24,48,72
Method of measurement
The pain rate was Visual Analogue Scale from 1 to 10 (a symptom of painlessness and number 10, severe pain, 1 painless, 2-4 mild pain, 5-7 average pain, 10-8 severe pain). And recorded

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: 30 envelopes containing ginger capsules (250mg Zinatma capsule, drug gol).12 capsule capsules are given at intervals of every 6 hours. Control group: 30 envelopes containing gelofen capsule (400mg, Tehran drug), 12 capsule capsules at intervals of 6 hours.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Shahid Ashraf Health Care Center

Full name of responsible person
Behrouzpour karam

Street address
No. 2 Bahonar Street ,Shahid Ashraf Health Center

City
yasuj

Province
Kohgilouyeh-va-Boyrahmad

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75919-54661

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Yasouj University of Medical Sciences

Full name of responsible person
Hossein Marie oriad

Street address
Motahhari Blvd, University of Medical Sciences, Vice Chancellor for Research

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Grant name

Grant code / Reference number

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

Title of funding source
Yasouj 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
Yasouj University of Medical Sciences

Full name of responsible person
jahedfaridi

Position
Student

Latest degree
A Level or less

Other areas of specialty/work
Dentistry

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Person responsible for scientific inquiries

Contact

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Full name of responsible person
Ayat allah poozesh

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Dentist specialist non-faculty

Latest degree
Specialist

Other areas of specialty/work
Dentistry

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
No - There is not a plan to make this available
Justification/reason for indecision/not sharing IPD
Because it's confidential
Study Protocol
No - There is not a plan to make this available
Statistical Analysis Plan
No - There is not a plan to make this available
Informed Consent Form
No - There is not 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
Data include patient name, patient gender, visual acuity scale, possible side effects of medication
When the data will become available and for how long
After printing the article
To whom data/document is available
In terms of discretion University
Under which criteria data/document could be used
Based on the conditions that the university determines
From where data/document is obtainable
Yasouj University of Medical Sciences, Research department
What processes are involved for a request to access data/document
Corresponding with University Research Unit
Comments