Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Study of the effect of chewing gum on the severity of nausea and vomiting after hysteroscopic procedures

Protocol summary

Study aim
Determining the effect of chewing gum on the severity of nausea and vomiting after hysteroscopic procedures
Design
Clinical trial with control group, parallel groups, single-blind, randomized with 52 patients
Settings and conduct
Participants are patients undergoing hysteroscopic surgery at Rasoul Akram and Firoozgar Hospitals. Participants will be randomly assigned to two groups. Outcome assessors will also not be aware of the type of intervention.
Participants/Inclusion and exclusion criteria
Enough teeth to chew gum; ASA 1-3; no phenylketonuria
Intervention groups
Intervention group: chewing gum without flavor. Control group: Endosteron in the amount of 4 mg intravenously.
Main outcome variables
Nausea and vomiting

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20190929044924N2**
Registration date: **2020-07-07, 1399/04/17**
Registration timing: **registered_while_recruiting**

Last update: **2020-07-07, 1399/04/17**
Update count: **0**
Registration date
2020-07-07, 1399/04/17

Registrant information
Name
Reza Farahmandrad
Name of organization / entity
Iran University Of Medical Science
Country
Iran (Islamic Republic of)
Phone
+98 21 8852 2083
Email address
farahmandrad.r@iums.ac.ir

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2020-06-21, 1399/04/01
Expected recruitment end date
2021-06-22, 1400/04/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Study of the effect of chewing gum on the severity of nausea and vomiting after hysteroscopic procedures

Public title
Chew gum on the severity of nausea and vomiting
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Enough teeth to chew gum ASA 1-3 No phenylketonuria
Exclusion criteria:
No history of neuromuscular problems smoking Post operative nausea-vomitin (PONV)
Age
From **18 years** old to **70 years** old
Gender
Both

Phase
3
Groups that have been masked

- Participant
- Outcome assessor

Sample size
Target sample size: **52**
Randomization (investigator's opinion)
Randomized
Randomization description
The patients were randomly divided into intervention and control groups using a lottery method. As the names of all participants are placed inside the container. The names are drawn out from the container, respectively, and placed in the intervention and control groups. At the end, the papers containing the names are opened and different groups are determined.
Blinding (investigator's opinion)
Double blinded
Blinding description
Participants and outcome assessors will not be aware of the type of intervention
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Iran University of Medical Sciences
Street address
Next to Milad Tower, Hemat Highway ,Tehran
City
Tehran
Province
Tehran
Postal code
14496-14535
Approval date
2020-02-29, 1398/12/10
Ethics committee reference number
IR.IUMS.FMD.REC.1398.526

Health conditions studied

1

Description of health condition studied
Nausea and vomiting
ICD-10 code
R11.2
ICD-10 code description
Nausea with vomiting, unspecified

Primary outcomes

1

Description
Nausea and vomiting
Timepoint
15 minutes after starting treatment
Method of measurement
Ask the patient

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Participants are asked to continue chewing gum without flavor for at least 10 minutes. The chewing gum used will be the non-essence chewing gum of the FALIM Turkey Company.
Category
Treatment - Surgery

2

Description
Control group: Endosterone will be injected intravenously at a dose of 4 mg. Endosteron is produced by "Alborz daro" company of Iran.
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Rasoul Akram hospital
Full name of responsible person
Reza Farahmand Rad
Street address
Hazrate Rasoole Akram Hospital,Niayesh St,Satarkhan Av,
City
Tehran
Province
Tehran
Postal code
1449614535
Phone
+98 21 6435 1444
Email
farahmandrad.r@iums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Seyad Abbas Motavalian
Street address
Hemat Highway next to Milad Tower
City
Tehran
Province
Tehran
Postal code
1449614535
Phone
+98 21 8670 2503
Email
amotevalian@yahoo.com

Grant name

Grant code / Reference number

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

Title of funding source
Iran 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
Iran University of Medical Sciences
Full name of responsible person
Reza Farahmandrad
Position
Assistant professor
Latest degree
Specialist
Other areas of specialty/work
Anesthesiology
Street address
Rasool Akram hospital, Maziar Mansory Ave, Satarkhan Ave.
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 8852 2083
Fax
Email
farahmandrad.r@iums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Reza Farahmandrad
Position
Assistant professor
Latest degree
Specialist
Other areas of specialty/work
Anesthesiology
Street address
Rasool Akram hospital, Maziar Mansory Ave, Satarkhan Ave
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 8852 2083
Fax
Email
farahmandrad.r@iums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Reza Farahmandrad
Position
Assistant professor
Latest degree
Specialist
Other areas of specialty/work
Anesthesiology
Street address
Rasool Akram hospital, Maziar Mansory Ave, Satarkhan Ave
City
Tehran
Province
Tehran
Postal code
1445613131
Phone
+98 21 8852 2083
Fax
Email
farahmandrad.r@iums.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be 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
Undecided - It is not yet known if there will be 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
No - There is not a plan to make this available
Title and more details about the data/document
En All individual data of the participants in this study will be shared after unidentifiable individuals.
When the data will become available and for how long
The access period will start from 2020 to 2022
To whom data/document is available
Data will be available to researchers working in the university.
Under which criteria data/document could be used
Just for performing research
From where data/document is obtainable
Refer to the responsible person for accessing the data.
What processes are involved for a request to access data/document
The data will be available one month after the responsible person's approval.
Comments