

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 2026

Comparison Of The Effects Of Intravenous Metoclopramide And Ondansetron On Prevention Of Nausea And Vomiting After Cesarean Section

Protocol summary

Study aim

Comparison Of The Effect Of Ondansetron And Metoclopramide On Nausea And Vomiting Control After Cesarean Section

Design

In this research, 120 pregnant women were chosen purposefully and randomly allocated into two intervention and control groups.

Settings and conduct

The Present Study Was A Clinical Trial On Women Aged 18 to 40 Years Who Were Candidates For Elective Cesarean Section And Referred To Amiralmomenin Hospital In Zabol. A Total Of 120 Mothers Were Randomly Divided Into Two Groups Of 60 Subjects Receiving Ondansetron or Metoclopramide.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Women With Singleton Pregnancy; Class 1 Or 2 in ASA Grading; No Prohibition Of Spinal Anesthesia. Exclusion criteria: history of narcotic use; being under anti-nausea treatment; having Gestational Hypertension Within One Week Before Surgery.

Intervention groups

The intervention group included 60 pregnant women underwent cesarean surgery and received Ondansetron 4 milligram, single dose, via infusion. The Control group included 60 pregnant women underwent cesarean surgery and received Methoclopramide 10 milligram, single dose, via infusion.

Main outcome variables

Nausea and vomiting after cesarean section.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170502033762N2**

Registration date: **2018-02-22, 1396/12/03**

Registration timing: **retrospective**

Last update: **2018-02-22, 1396/12/03**

Update count: **0**

Registration date

2018-02-22, 1396/12/03

Registrant information

Name

saeed mosaed

Name of organization / entity

zbmu.ac.ir

Country

Iran (Islamic Republic of)

Phone

+98 54 3762 7732

Email address

saeed.mosaed@zbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Governmental

Expected recruitment start date

2016-05-04, 1395/02/15

Expected recruitment end date

2017-05-05, 1396/02/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison Of The Effects Of Intravenous Metoclopramide And Ondansetron On Prevention Of

Nausea And Vomiting After Cesarean Section		Vice chancellor for research, Educational Complex of Zabol University of Medical Sciences, Rajaee Ave	
Public title	Comparison Of The Effects Of Intravenous Metoclopramide And Ondansetron On Prevention Of Nausea And Vomiting After Cesarean Section	City	Zabol
Purpose	Treatment	Province	Sistan-va-Balouchestan
Inclusion/Exclusion criteria		Postal code	9951645984
Inclusion criteria:	Pregnant women who were undergoing elective cesarean section at the Amir-Almomenin hospital in Zabol Women aged 18-40 years	Approval date	2016-12-14, 1395/09/24
Exclusion criteria:	History Of severe Nausea and Vomiting History Of Severe Dizziness In The Car (motion sickness) History Of Drug Use No Anti-Nausea Medicine use high blood pressure in pregnancy	Ethics committee reference number	zbmu.1.REC.1395.88
Age	From 15 years old to 50 years old	Health conditions studied	
Gender	Female	1	
Phase	3	Description of health condition studied	
Groups that have been masked	- Participant - Investigator	ICD-10 code	
Sample size	Target sample size: 120	ICD-10 code description	
Randomization (investigator's opinion)	Randomized	Nausea and vomiting	
Randomization description	Randomization method: Simple random sampling Randomization unit: individual randomization tool: sealed envelope	Primary outcomes	
Blinding (investigator's opinion)	Double blinded	1	
Blinding description	Ondansetron and Metoclopramide were put in sealed pockets and they were uncovered and the drugs were injected by a technician and therefore patients, researchers and outcome evaluators were blind.	Description	
Placebo	Not used	Nausea And Vomiting	
Assignment	Parallel	Timepoint	
Other design features		Immediately after the intervention, six hours after the intervention, 12 hours after the intervention, 18 hours after the intervention and 24 hours after the intervention.	
Secondary Ids	empty	Method of measurement	
Ethics committees		Questionnaire	
1		Secondary outcomes	
Ethics committee		1	
Name of ethics committee	Ethics committee of Zabol University of Medical Sciences	Description	
Street address		Nausea and vomiting	
		Timepoint	
		Every six hours	
		Method of measurement	
		Direct observation by technician and asking from the patient	
		Intervention groups	
		1	
		Description	
		Intervention group: Ondansetron (produced by Abidi Company) 4 mg in 10 cc normal saline was Infused before surgery.	
		Category	
		Treatment - Drugs	

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Description

Control group (routine treatment): Methoclopramide (produced by Abidi Company) 10 mg in 10 cc normal saline was infused before surgery

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Amir Al Momenin Hospital

Full name of responsible person

Saeed Mosaed

Street address

No 11, Forrokhi dormitory, Motahari 16 Ave, Zabol, Iran

City

Zabol

Province

Sistan-va-Balouchestan

Postal code

9951645984

Phone

+98 54 3762 7732

Email

mosaedsaeed1372@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zabol University of Medical Sciences

Full name of responsible person

Saeed Mosaed

Street address

No 11, Forrokhi dormitory, Motahari 16 Ave, Zabol, Iran

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Province

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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

Zabol 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

Zabol University of Medical Sciences

Full name of responsible person

Saeed Mosaed

Position

Medical Student

Latest degree

A Level or less

Other areas of specialty/work

Medical Education

Street address

Forrokhi dormitory, Motahari 16, Zabol, Iran

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Person responsible for scientific inquiries

Contact

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Position

Medical Student

Latest degree

A Level or less

Other areas of specialty/work

General Practitioner

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Web page address

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

The Reason For The Confidentiality Of The Information Of
The Participants In The Plan

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

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available