Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Preoperative vaginal preparation with Povidone –Iodinand the risk of post cesarean Endometritis

Protocol summary

Summary

In this randomized clinical trial 526 women undergoing cesarean delivery in university hospital in Mashhad (Iran) will be evaluated. Participants including 526 women undergoing cesarean delivery and nit having: preterm pregnancy, (GA<37), placenta previa, severe anemia (Hct<30), chorio aminoitis, Meconium Amniotic Fluid, Obesity (weight more than>114Kg), Multi fetal gestation, arrest in descending in station ≥0 and prolonged premature rupture of membranes (>18h). Intervention: subjects will receive either standard abdominal scrub alone or abdominal scrub with an additional vaginal preparation with povidone –iodine solution. All subjects receives prophylactic antibiotic after clamping the cord. Main Outcome measures (variables) are: each subject's postoperative course was reviewed for development of endometritis (fever and uterine tenderness after exclusion of other causes).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105146467N1**
Registration date: **2011-06-18, 1390/03/28**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-06-18, 1390/03/28

Registrant information

Name

Nayereh Ghomian

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 1802 2631

Email address

ghomiann@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences

Expected recruitment start date

2008-01-01, 1386/10/11

Expected recruitment end date

2009-01-01, 1387/10/12

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Preoperative vaginal preparation with Povidone –Iodinand the risk of post cesarean Endometritis

Public title

Relationship between vaginal preparation with Povidone –Iodinand and Endometritis

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Women who are candidate for cesarean section Exclusion criteria: Preterm pregnancy; gestational age<37 weeks; placenta previa; severe anemia (Hct<30); chorioaminoitis; diabetes mellitus; Meconium Amniotic Fluid; Obesity (weight>114Kg); Multifetal gestation; prolonged induction(>10hours); arrest in descending in station ≥0 and prolonged premature rupture of membranes(>18hours)

Age

From **18 years** old to **35 years** old

Gender
Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **526**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Faculty of Medicine
Street address
Vakil abad blv.
City
Mashhad
Postal code
Approval date
2007-04-22, 1386/02/02
Ethics committee reference number
2036-T

Health conditions studied

1

Description of health condition studied
Endometritis
ICD-10 code
n71.9
ICD-10 code description
Inflamatory disease of uterus except cervix

Primary outcomes

1

Description
Body temperature
Timepoint
Daily
Method of measurement
Thermometer

Secondary outcomes

1

Description
Endometritis
Timepoint
Daily
Method of measurement
Fever and uterine tenderness after exclusion of other causes

Intervention groups

1

Description
Intervention group: vaginal irrigation with povidone-iodine plus abdominal irrigation plus 2 gr cefazoline IV after clamping the cord
Category
Treatment - Drugs

2

Description
Control group: abdominal irrigation with povidone-iodine plus 2 gr cefazoline IV after clamping the cord
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Reza and Omolbanin hospitals
Full name of responsible person
Dr.Nayereh Ghomian
Street address
City
Mashhad

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Mashahad University of Medical Sciences
Full name of responsible person
Dr. Jalil Tavakol Afshari
Street address
Ghoreyshi
City
Mashhad
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, Mashahad University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Dr. Nayereh Ghomian

Position

Associated Professor

Other areas of specialty/work

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Associated Professor

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Fax

Email

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty