

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Aug 2026

Evaluation of prophylactic effect and complication of Tranexamic Acid on blood loss during and after Elective Caesarean Section

Protocol summary

Study aim

Determination of Tranexamic Acid Effects and Its Complications in Prevention of Gestation During and After Cesarean Section

Design

In this study, the prevalence of patients who were candidates for cesarean section in 2019-2020 was initially readily available or available to eligible individuals up to the time of reaching the sample of 100 people. Then, using randomized block method, two groups And they are divided into the group of tranexamic acid and the control group is given normal saline.

Settings and conduct

In this single-blinded study that is done in Imam Ali Hospital, Zahedan, candidates for cesarean section divide into two groups of case and control by random block method. The case group is treated with Tranexamic Acid and the control group is given normal saline. Hemoglobin and gases used during the surgery measure before and six hours after surgery. Candidates evaluate during admission, during cesarean section and 6 weeks after cesarean section through a complications checklist.

Participants/Inclusion and exclusion criteria

Exclusion Criteria: High Body Index, History of venous thrombosis, Uterian myoma, liver and kidney disease, History of High Birth weight, Placenta Previa, Acreta, Pre Eclampsia, Disseminated Intravascular Coagulation
Inclusion Criteria: All women who are candidates for cesarean section.

Intervention groups

Intervention group: In this group, patients who are candidates for cesarean section are given 10 mg/kg tranexamic acid before surgery and Drug effects and complications are reviewed 6 weeks later. Control group: In this group, patients who are candidates for cesarean section are given a 10 mg/kg Normal saline before surgery and complications are reviewed 6 weeks later.

Main outcome variables

Hemoglobin measure before and six hours after surgery,

Counting the gases used during the surgery

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181021041403N1**

Registration date: **2018-12-29, 1397/10/08**

Registration timing: **prospective**

Last update: **2018-12-29, 1397/10/08**

Update count: **0**

Registration date

2018-12-29, 1397/10/08

Registrant information

Name

Nazanin Shahraki ghadimi

Name of organization / entity

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-01-05, 1397/10/15

Expected recruitment end date

2019-05-22, 1398/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

2**Description**

Control group: In this group, patients who are candidates for cesarean section are given a 10 mg/kg Normal saline before surgery and complications are reviewed 6 weeks later.

Category

Placebo

Recruitment centers**1****Recruitment center****Name of recruitment center**

Emam Ali Hospital

Full name of responsible person

Nazanin SharakiGhadimi

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Islamic Azad University

Full name of responsible person

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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

Islamic Azad University

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**

Islamic Azad University

Full name of responsible person

Nazanin Shahraki Ghadimi

Position

Student

Latest degree

A Level or less

Other areas of specialty/work

General Practitioner

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be 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
Undecided - It is not yet known if there will be 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