Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Efficacy of oral Furosemide in Postpartum Hypertension in Patients with Severe Preeclampsia in Kousar Hospital

Protocol summary

Summary

Objectives : This investigation was undertaken to estimate whether postpartum oral furosemide for patients with severe preeclampsia benefits recovery and shortens hospitalization by enhancing diuresis , lessening severe hypertension and reducing the need for antihypertensive therapy. Inclusion criteria: patients delivered of a pregnancy at or grater than 20 weeks of gestation and diagnosed with severe preeclampsia. Exclusion criteria:patients who had hypokalemia (serum potassium less than 3 meq/l) on admission; were already taking diuretic or potassium supplements for any reason; demonstrated any hemodynamic instability surrounding the events of delivery. 90 pregnant women with severe preeclampsia were enrolled. After spontaneous onset of postpartum diuresis and discontinuation of intravenous magnesium sulfate , patients were randomly assigned to receive either no therapy or 20 mg oral furosemide daily for 5 days with20 meq oral potassium supplement.This investigation was done between march 2013 and march 2014. primary outcome was assessment of mean of systolic and diastolic blood pressure in patients with severe preeclampsia on the third day after delivery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014031717041N1**
Registration date: **2014-04-15, 1393/01/26**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-04-15, 1393/01/26

Registrant information

Name

Mona Shariati

Name of organization / entity

Qazvin University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 28 1223 6374

Email address

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Recruitment status

Recruitment complete

Funding source

Vice-Chancellor for research of Qazvin University of Medical Science

Expected recruitment start date

2013-03-21, 1392/01/01

Expected recruitment end date

2014-02-20, 1392/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Efficacy of oral Furosemide in Postpartum Hypertension in Patients with Severe Preeclampsia in Kousar Hospital

Public title

Efficacy of oral Furosemide in Postpartum Hypertension in Patients with Severe Preeclampsia in Kousar Hospital

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: All patients delivered of a pregnancy at or greater than 20 weeks of gestation and diagnosed with severe preeclampsia. exclusion criteria: patients who had hypokalemia (serum potassium less than 3

meq/l) on admission; patients who were already taking diuretics or potassium supplements for any reason; patients who demonstrated any hemodynamic instability surrounding the events of delivery.

Age
From **15 years** old to **45 years** old

Gender
Female

Phase
1-2

Groups that have been masked
No information

Sample size
Target sample size: **90**

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
Ethics Committee, Qazvin University Of Medical Sciences

Street address
Bahonar Blvd , Qazvin

City
Qazvin

Postal code

Approval date
2014-01-18, 1392/10/28

Ethics committee reference number
8281

Health conditions studied

1

Description of health condition studied
severe preeclampsia

ICD-10 code
O14.1

ICD-10 code description
Severe pre-eclampsia

Primary outcomes

1

Description
Assessment of mean of systolic and diastolic blood pressure in patients with severe preeclampsia

Timepoint
third day after delivery every 4 hours

Method of measurement
manometer

Secondary outcomes

1

Description
amount of weight loss after delivery

Timepoint
first and third day after delivery

Method of measurement
mechanical personal scale

Intervention groups

1

Description
After spontaneous onset of postpartum diuresis and discontinuation of intravenous magnesium sulfate , patients were randomly assigned to receive 20 mg oral furosemide daily for 5 days with20 meq oral potassium supplement.

Category
Prevention

2

Description
After spontaneous onset of postpartum diuresis and discontinuation of intravenous magnesium sulfate , patients in control group receive no therapy.

Category
Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center
Kosar Hospital

Full name of responsible person
Mona Shariati

Street address

City
Qazvin

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice-Chancellor for research of Qazvin University of Medical Science
Full name of responsible person
Dr Sayed Assefzadeh
Street address
Bahonar Blvd, Qazvin
City
Qazvin
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 of Qazvin University of Medical Science
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
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Position
Resident of Obstetrics and Gynecology
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Person responsible for updating data

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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