

# 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 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; 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 with 20 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

mshariati@qums.ac.ir

##### 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 with 20 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**

Qazvin University of Medical Science

#### **Full name of responsible person**

Mona Shariati

#### **Position**

Resident of Obstetrics and Gynecology

#### **Other areas of specialty/work**

#### **Street address**

Kosar Hospita, Taleghani st.

#### **City**

Qazvin

#### **Postal code**

#### **Phone**

+98 28 1223 6374

#### **Fax**

#### **Email**

mshariati@qums.ac.ir

#### **Web page address**

## **Person responsible for scientific inquiries**

## **Contact**

### **Name of organization / entity**

Qazvin University of Medical Science

### **Full name of responsible person**

Mona Shariati

### **Position**

Resident of gynecology and obstetric

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## **Person responsible for updating data**

### **Contact**

#### **Name of organization / entity**

Qazvin university of medical sciences

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Mona Shariati

#### **Position**

Resident of Gynecology and Obstetric

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#### **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*