# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

16 Sep 2026

## Investigating The Effect Of Intravenous Ketamine During Ceasarian On Score Of Post Partum Depression

## Protocol summary

**Summary**

The aim of this study is to investigate the effect of intravenous ketamine during ceasarian on score of post partum depression in Hospitals of Rafsanjan University of Medical Sciences 2016. The population includes all women who scheduled for cesarean. Inclusion criteria is no contraindications for ketamine use and they are excluded If they Use Antidepressants. Sample size is estimated 53 in each group according to previous studies and statistical formula. one stage intervention is applied at the time of induction of anesthesia and The control group will receive only anesthetic without ketamine. Study instruments include a questionnaire for demographic variables and Edinburgh questionnaire. Data were collected before starting intervention actively and Two weeks and four weeks after the intervention by phone.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2016122726971N2**
Registration date: **2017-07-16, 1396/04/25**
Registration timing: **retrospective**

Last update:
Update count: **0**

**Registration date**

2017-07-16, 1396/04/25

**Registrant information**

**Name**

Marzeyeh Loripoor

**Name of organization / entity**

Rafsanjan University Medical Science

**Country**

Iran (Islamic Republic of)

**Phone**

+98 34 3428 4950

**Email address**

m.loripoor@rums.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

govermental

**Expected recruitment start date**

2016-08-31, 1395/06/10

**Expected recruitment end date**

2017-03-20, 1395/12/30

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Investigating The Effect Of Intravenous Ketamine During Ceasarian On Score Of Post Partum Depression

**Public title**

Effect Of Ketamin On Postpartum Depression

**Purpose**

Prevention

**Inclusion/Exclusion criteria**

Inclusion Criteria: Iranian Woman Condidian for Elective Cesarian Except Emergent Cesarian Section, Due To Lack Of Awareness Of The Mother Disease , Ketamin Is Therefore Contraindicated. General Anesthesia. Not Contraindicated To Receive Ketamine ,Such As : Lack Of Cardiovascular Disease, Fetal Disorders Such As : Preterm Delivery , No History Of Psychiatric Disorders Except For Post Partum Depression , Central Nerve System Disorders ( Increase Intra Cranial Pressure , History Of Cerebral Hemorrhage , Cerebrovascular Disease) Hyperthyroidism Informed Consent To Participate In The Study Exclude Criteria: Dissatisfaction

And Failure To Answer The Questions. Use Of Antidepressant , The Use Of Sigarettes , Alcohol And Drug Addiction.

**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: **106**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

**Blinding (investigator's opinion)**

Double 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 Of Rafsanjan University Of Medical Sciences

**Street address**

Imam Ali Blvd, University of Medical Sciences, Rafsanjan

**City**

Rafsanjan

**Postal code**

7717932777

**Approval date**

2016-01-09, 1394/10/19

**Ethics committee reference number**

IR.RUMS.REC.1394.166

## Health conditions studied

**1**

**Description of health condition studied**

PostPartum Depression

**ICD-10 code**

F53.0

**ICD-10 code description**

Mild mental and behavioural disorders associated with the puerperium, not elsewhere classified

## Primary outcomes

**1**

**Description**

Post Partum Depression

**Timepoint**

Before,2 week , 4 Week After Cesarian Section

**Method of measurement**

Edinburg Questioner

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**

Intervention group: In this group, in addition to anesthetics, ketamine is also given as half a milligram per kilogram of body weight and The frequency of one-step intervention is at the time of induction of anesthesia.

**Category**

Treatment - Drugs

**2**

**Description**

Control Group: In this group of 3-5 mg of sodium thiopental will be used.

**Category**

Treatment - Drugs

## Recruitment centers

**1**

**Recruitment center**

**Name of recruitment center**

Ali Ibn Abi Talib Hospital And NickNafs Zayeshgah Rafsanjan

**Full name of responsible person**

Dr.Majid Kazemi

**Street address**

Imam Ali Blvd, University of Medical Sciences, Rafsanjan

**City**

Rafsanjan

## Sponsors / Funding sources

**1**

**Sponsor**

**Name of organization / entity**

Vice Chancellor For Research Rafsanjan University Medical Science

**Full name of responsible person**

Dr Hamid Hakimi

**Street address**
Imam Ali Blvd, University of Medical Sciences, Rafsanjan
**City**
Rafsanjan
**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 Rafsanjan University 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**
Rafsanjan Univarcity Of Medical Sciences
**Full name of responsible person**
Marzeyeh Loripoor
**Position**
Phd Of Reproductive Health- Assistant Professor
**Other areas of specialty/work**
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## Person responsible for scientific inquiries

**Contact**
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## Person responsible for updating data

**Contact**

## 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*