

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

18 Sep 2026

### Effect of intravenous dexamethasone on blood sugar in patients undergoing gynecology surgery

#### Protocol summary

##### Summary

The purpose of this study is comparison of effect of intravenous dexamethasone on blood sugar in patients undergoing gynecology surgery. This is a double blind single arm study. Patients with history of corticosteroid use and blood sugar>200 on surgery day morning are excluded. 60 Patients with American Society of Anesthesia (ASA) physical status I or II underwent for abdominal surgery under general anesthesia assigned into one of the two groups according to random -number table , 30 patients in dexamethasone and 30 patients in placebo group. General anesthesia induced with 2mg/kg propofol ,0.5mg/kg Atracurium and infusion of 150mg/kg/min propofol and (50% O2,50%NO2) for maintenance. In the first group dexamethasone 8mg and in the second group normal saline infused after induction of anesthesia. Blood glucose recorded in 1,2,6,12, and 24 hours after surgery.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201309192963N16**

Registration date: **2013-10-07, 1392/07/15**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2013-10-07, 1392/07/15

##### Registrant information

###### Name

Shekoufeh Behdad

###### Name of organization / entity

Shahid Sadoughi University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 35 1822 1386

###### Email address

drbehdad@ssu.ac.ir

##### Recruitment status

###### Recruitment complete

##### Funding source

Shahid Sadoughi University of Medical Sciences

##### Expected recruitment start date

2013-06-20, 1392/03/30

##### Expected recruitment end date

2013-09-06, 1392/06/15

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of intravenous dexamethasone on blood sugar in patients undergoing gynecology surgery

##### Public title

Effect of intravenous dexamethasone on blood sugar in patients undergoing gynecology surgery

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

include:all diabetic patients undergoing gynecology surgery exclude: history of corticostiroid use; blood sugar>200 on surgery day morning

##### Age

From **25 years** old to **40 years** old

##### Gender

Female

##### Phase

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 60

**Randomization (investigator's opinion)**

N/A

**Randomization description****Blinding (investigator's opinion)**

Double blinded

**Blinding description****Placebo**

Used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Shahid Sadoughi University of medical sciences

**Street address**

Yazd. Shahid Sadoughi hospital

**City**

Yazd

**Postal code**

8915887857

**Approval date**

2013-09-16, 1392/06/25

**Ethics committee reference number**

9193

**Health conditions studied****1****Description of health condition studied**

Diabetes Mellitus

**ICD-10 code**

E10- E14

**ICD-10 code description**

Diabetes mellitus

**Primary outcomes****1****Description**

blood sugar

**Timepoint**

1,2,3,4,5,6 hours after surgery

**Method of measurement**

by glucometer

**Secondary outcomes**

empty

**Intervention groups****1****Description**

8 mg IV dexametasone to Intervention group

**Category**

Treatment - Drugs

**2****Description**

in the control group normal salin infused

**Category**

Treatment - Drugs

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

Shahid Sadoughi hospital

**Full name of responsible person**

Dr Shekoufeh Behdad

**Street address**

Shahid Sadoughi hospital,Yazd

**City**

Yazd

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

Shahid Sadoughi University of medical sciences

**Full name of responsible person**

Dr Hassan Mozaffari

**Street address**

Bahonar squ,Yazd

**City**

Yazd

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Shahid Sadoughi 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*

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## Person responsible for general inquiries

### Contact

**Name of organization / entity**  
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Dr Shekoufeh Behdad  
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## Person responsible for scientific inquiries

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## Person responsible for updating data

### Contact

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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*