

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jun 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% O<sub>2</sub>, 50% N<sub>2</sub>O) 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 corticosteroid 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*

+98 35 1822 4000

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**Email**  
drbehdad@ssu.ac.ir  
**Web page address**

## Person responsible for general inquiries

### Contact

**Name of organization / entity**  
Shahid Sadoughi University of medical sciences  
**Full name of responsible person**  
Dr Shekoufeh Behdad  
**Position**  
Associate professor  
**Other areas of specialty/work**  
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## Person responsible for scientific inquiries

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**Postal code**  
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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*