

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

Comparison of reducing success and complication of shoulder dislocation with “Succinylcholine and Thiopental”, “Propofol and Fentanyl” and “Fentanyl and Midazolam” in Emergency Department

Protocol summary

a.kabir@nhri.ir

Summary

The aim of this Concurrent/parallel triple blind randomized controlled clinical trial is the Comparison of reducing success and complication of shoulder dislocation with three different palliative and relaxant regimen consist of “Succinylcholine and Thiopental”, “Propofol and Fentanyl” and “Fentanyl and Midazolam” to determine the best mixed regimen with higher success rate and lower complication for our patients in this region. According to block randomization, 150 cases aged between 16 and 65 years with anterior or posterior shoulder dislocation will be allocated into three groups with 50 cases in each.

Recruitment status

Recruitment complete

Funding source

Deputy of research, Shahid Beheshti University

Expected recruitment start date

2010-10-23, 1389/08/01

Expected recruitment end date

2011-04-21, 1390/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201009264811N1**

Registration date: **2012-04-28, 1391/02/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-04-28, 1391/02/09

Registrant information

Name

Ali Kabir

Name of organization / entity

Shahid Beheshti University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2243 1993

Email address

Scientific title

Comparison of reducing success and complication of shoulder dislocation with “Succinylcholine and Thiopental”, “Propofol and Fentanyl” and “Fentanyl and Midazolam” in Emergency Department

Public title

Clinical trial of different treatments in shoulder dislocation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Cases aged between 16 and 65 with anterior/posterior shoulder dislocation including those with avulsion fracture of the greater tuberosity or of the glenoid labrum who have referred to emergency department and signed a written informed consent. Exclusion criteria: Patients with physical status higher than II according to American Society of Anesthesiologists (ASA); cases with major fracture-dislocation; cases with other major trauma; history of drug abuse; intoxicated patients.

Age
From **16 years** old to **65 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **150**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Triple blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Shahid Beheshti University of Medical Sciences

Street address
Velenjak, Daneshjoo Bolvd., Shahid Beheshti
University of Medical Sciences

City
Tehran

Postal code

Approval date
2012-01-17, 1390/10/27

Ethics committee reference number
90-1-134 / 8175

Health conditions studied

1

Description of health condition studied
Dislocation of shoulder joint

ICD-10 code
S43.0

ICD-10 code description
Dislocation of shoulder joint

2

Description of health condition studied
Dislocation of shoulder joint

ICD-10 code
S40.0

ICD-10 code description

Contusion of shoulder and upper arm

Primary outcomes

1

Description
success of reduction

Timepoint
after each reducing process

Method of measurement
physical examination and X-ray

Secondary outcomes

1

Description
complication

Timepoint
after reduction and each subsequent visit

Method of measurement
history, physical examination and X-ray

Intervention groups

1

Description
Protocol A consist of 20 mg Succinylcholine and 100 mg Thiopental

Category
Treatment - Drugs

2

Description
Protocol B consist of 1-3 mg/Kg Propofol and 2-3 mg/Kg Fentanyl

Category
Treatment - Drugs

3

Description
Protocol C consist of 2-3 mg/Kg Fentanyl and 3-5 mg Midazolam

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Imam Hossein Hospital

Full name of responsible person
Dr Afshin Amini

Street address
Imam Hossein Hospital, Nezam Abad St.

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shahid Beheshti University of Medical Sciences
Full name of responsible person
Dr. Afshin Amini
Street address
Imam Hossein Hospital, Nezam Abad St.
City
Tehran

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Shahid Beheshti 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

Person responsible for general inquiries

Contact

Name of organization / entity
Shahid Beheshti University of Medical Sciences
Full name of responsible person
Dr Afshin Amini
Position
Assistant Professor
Other areas of specialty/work
Street address
Imam Hossein hospital, Nezam Abad st.
City
Tehran
Postal code
6314116177
Phone
+98 21 7755 8081
Fax
Email
A.amini@sbmu.ac.ir
Web page address

Person responsible for scientific

inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Dr Ali Kabir
Position
MD, MPH
Other areas of specialty/work
Street address
No. 255, Central Building, Adjacent Milad Tower, Iran
University of Medical Sciences
City
Tehran
Postal code
Phone
+98 21 8294 2255
Fax
Email
a.kabir@nhri.ir; aikabir@yahoo.com;
alikabira@gmail.com
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Dr Ali Kabir
Position
MD, MPH
Other areas of specialty/work
Street address
No. 255, Central Building, Adjacent Milad Tower, Iran
University of Medical Sciences
City
Tehran
Postal code
1449614535
Phone
+98 21 8294 2255
Fax
+98 21 4447 6796
Email
a.kabir@nhri.ir ; aikabir@yahoo.com ;
alikabira@gmail.com
Web page address
www.nhri.ir, www.iums.ac.ir

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