Clinical Trial Protocol
Iranian Registry of Clinical Trials

26 May 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

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.

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

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Name of organization / entity

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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

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 subsequesnt 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
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Sponsors / Funding sources

1

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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

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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