

Clinical Trial Protocol

Iranian Registry of Clinical Trials

12 Jul 2026

The effect of correct application education of anesthesia and surgery safety checklists on discharge from recovery in patients undergoing orthopedic surgery by general anesthesia in Imam Khomeini Treatment and Educational center of Urmia in 2017

Protocol summary

Study aim

Study of Aldrete criteria using anesthesia safety checklist on discharge of recovery in patients undergoing orthopedic surgery by general anesthesia

Design

Clinical trials with control group, parallel groups trial with convenience sampling

Settings and conduct

This clinical trial was conducted with control groups, parallel groups that patients requiring orthopedic surgery under general anesthesia were included in the study. Blinding did not take place.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Elective orthopedic surgery in upper and lower extremities, Use of general anesthesia (up to 2 hours), Age range between 20 to 60 years, Non-substance abuse
Exclusion criteria: Acute hemorrhage patients with cardiac emergencies

Intervention groups

Education of Aldrete discharge criteria checklist

Main outcome variables

Aldrete score

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20151205025366N19**

Registration date: **2018-06-17, 1397/03/27**

Registration timing: **retrospective**

Last update: **2018-06-17, 1397/03/27**

Update count: **0**

Registration date

2018-06-17, 1397/03/27

Registrant information

Name

Rahim Baghaei

Name of organization / entity

Urmia University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 44 3275 4916

Email address

rbaghaei@umsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-09-23, 1396/07/01

Expected recruitment end date

2018-03-22, 1397/01/02

Actual recruitment start date

2017-09-23, 1396/07/01

Actual recruitment end date

2018-03-22, 1397/01/02

Trial completion date

empty

Scientific title

The effect of correct application education of anesthesia and surgery safety checklists on discharge from recovery in patients undergoing orthopedic surgery by general anesthesia in Imam Khomeini Treatment and Educational center of Urmia in 2017

Public title

The effect of correct application education of anesthesia and surgery safety checklists on on discharge from

recovery in patients

Purpose
Prevention

Inclusion/Exclusion criteria
Inclusion criteria:
 Elective orthopedic surgery in upper and lower extremities
 Use of general anesthesia (up to 2 hours)
 Age range between 20 to 60 years
 Non-substance abuse
Exclusion criteria:
 Acute hemorrhage patients with cardiac emergencies

Age
From **20 years** old to **60 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
 Target sample size: **334**
 Actual sample size reached: **334**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not 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 Urmia University of Medical Sciences
Street address
 UMSU Central Site: Orjhans Street, Resalat Blvd, Urmia , Iran (Postal Code:571478334) University Campus: Pardis Nazlou, 11 km of Nazlou Road,Urmia,Iran
City
 Urmia
Province
 West Azarbaijan
Postal code
 5714783734
Approval date
 2017-07-13, 1396/04/22
Ethics committee reference number
 lr.umsu.rec.1396,173.

Health conditions studied

1

Description of health condition studied
 Adult respiratory distress syndrome
ICD-10 code
 J80
ICD-10 code description
 Adult respiratory distress syndrome

Primary outcomes

1

Description
 Aldrete score
Timepoint
 Entrance to recovery, first 15 minutes, second 15 minutes second, Third 15 minutes , fourth 15 minutes and exit of recovery
Method of measurement
 Aldrete checklist

Secondary outcomes

empty

Intervention groups

1

Description
 Intervention group: Education of Aldrete recovery discharge criteria
Category
 Diagnosis

2

Description
 Control group: Without specific education
Category
 N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
 Imam Khomeini hospital of Urmia
Full name of responsible person
 Rahim Baghaei
Street address
 UMSU Central Site: Orjhans Street, Resalat Blvd, Urmia , Iran (Postal Code:571478334) University Campus: Pardis Nazlou, 11 km of Nazlou Road,Urmia,Iran
City
 Urmia
Province

West Azarbaijan

Postal code

5714783734

Phone

+98 44 3223 3000

Email

rbaghaei@umsu.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Oroumia University of Medical Sciences

Full name of responsible person

Deputy research of University

Street address

UMSU Central Site: Orjhans Street, Resalat Blvd,
Urmia , Iran (Postal Code:571478334) University
Campus: Pardis Nazlou, 11 km of Nazlou
Road,Urmia,Iran

City

Urmia

Province

West Azarbaijan

Postal code

5714783734

Phone

+98 44 3223 4897

Email

rbaghaei@umsu.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Oroumia University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Private

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Oroumia University of Medical Sciences

Full name of responsible person

Rahim Baghaei

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street address

Urmia University of Medical Sciences, 11th km of Sarv
road, Urmia

City

Urmia

Province

West Azarbaijan

Postal code

5714783734

Phone

+98 44 3275 4916

Fax

+98 44 3275 4921

Email

rbaghaei@umsu.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Oroumia University of Medical Sciences

Full name of responsible person

baghaei rahim

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street address

nazlou .nursing and midwifery univercity

City

urmia

Province

West Azarbaijan

Postal code

5714783734

Phone

+98 44 3275 4918

Fax

Email

rbaghaei2001@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Oroumia University of Medical Sciences

Full name of responsible person

Rahim Baghaei

Position

Associate professor

Latest degree

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5714783734

Phone

+98 44 3275 4916

Fax

+98 44 3275 4921

Email

rbaghaei@umsu.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Data can be shared for research purposes.

When the data will become available and for how long

After six months

To whom data/document is available

Students and professors of university

Under which criteria data/document could be used

Providing unanimous data

From where data/document is obtainable

Send email to me

What processes are involved for a request to access data/document

Email is enough

Comments