

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jun 2026

The comparison of two surgery methods for treatment of supracondylar fracture in children under 10 years old in Ayatollah Kashani hospital

Protocol summary

Summary

To study two treatment methods, "closed reduction and external fixation with pin" and "opened reduction and internal reduction" in Supracondylar fractures. 90 patients, under 10 years old, with Supracondylar fracture in Ayatollah Kashani hospital, Sharekord, Iran, are selected and randomly allocated in two groups according to the methods. The time of operation, radiography, wound infection, treatment cost and the rate of movement area for elbow are compared between two groups in the eighth week after operation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201105146480N1**
Registration date: **2011-06-11, 1390/03/21**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-06-11, 1390/03/21

Registrant information

Name

Mohammad Taghi Moradi

Name of organization / entity

Shahrekord University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 38 1334 9509

Email address

mtmoradi@skums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahrekord university of medical sciences

Expected recruitment start date

2011-05-30, 1390/03/09

Expected recruitment end date

2011-12-28, 1390/10/07

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of two surgery methods for treatment of supracondylar fracture in children under 10 years old in Ayatollah Kashani hospital

Public title

The comparison of two surgery methods for treatment of supracondylar fracture in children under 10 years old

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: satisfaction of the parents, age below the 10 years. Exclusion criteria: background diseases, head trauma, taking more than 5 days from the day of fracture.

Age

To **10 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Randomized

Randomization description
Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shahrekord university of medical sciences

Street address

Kashani Blvrd

City

Shahrekord

Postal code

Approval date

2009-06-05, 1388/03/15

Ethics committee reference number

88-13-2

Health conditions studied

1

Description of health condition studied

supracondylar fracture

ICD-10 code

M90

ICD-10 code description

Osteopathies in diseases classified elsewhere

Primary outcomes

1

Description

infection

Timepoint

1 week

Method of measurement

physical exam

2

Description

operation duration

Timepoint

post operation

Method of measurement

duration in minute

3

Description

skiagraphy checking

Timepoint

every week

Method of measurement

skiagraphy

Secondary outcomes

1

Description

elbow joint movement range

Timepoint

8 week of operation

Method of measurement

Maximum angle of motion

Intervention groups

1

Description

placing the packet and pinning off the skin

Category

Treatment - Surgery

2

Description

opened reduction and internal fixation

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Kashani hospital

Full name of responsible person

Dr. Dehghan

Street address

Kashani avenue

City

Shahrekord

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Shahrekord university of medical sciences

Full name of responsible person

Dr. Mahmoud Mobasheri

Street address

Kashani blvrd

City
Shahrekord

Grant name

Grant code / Reference number

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

Title of funding source
Vice chancellor for research, Shahrekord 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
Shahrekord University of Medical Sciences and Health Services

Full name of responsible person
Morteza Dehghani

Position
Assistant Professor

Other areas of specialty/work

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Orthopaedy Department, Kashani hospital

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Person responsible for scientific inquiries

Contact

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Shahrekord University of Medical Sciences and Health Services

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Morteza Dehghan

Position
Orthopedist

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Person responsible for updating data

Contact

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