

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 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

Street address
Orthopaedy Department, Kashani hospital

City
Shahrekord

Postal code

Phone
+98 913 183 2044

Fax

Email
dehghan_mortaza@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Shahrekord University of Medical Sciences and Health Services

Full name of responsible person
Morteza Dehghan

Position
Orthopedist

Other areas of specialty/work

Street address
Orthopaedy Department, Kashani Hospital

City
Shahrekord

Postal code

Phone
+98 913 183 2044

Fax

Email
dehghan_mortaza@yahoo.com

Web page address

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