

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of two methods of parallel percutaneous pinning from metacarpal head and cross pinning from condyle of proximal phalanx in proximal phalanx fractures in referrals to Shahid Bamonar Hospital, Kerman

Protocol summary

Summary

the purpose of the study is assessment and comparison of two common methods of treatment of proximal phalanges fractures of the hand. Patients with extra articular fractures of the proximal phalanges of hand, in case of not meeting exclusion criteria (such as multiple phalanges or pathological fractures) and after informed consent will be divided randomly into two treatment groups until the sample size is reached (30 patients). In one of the groups the pins will be inserted into the phalangeal condyles and in the other from the metacarpal head to the proximal phalanx. The patients will be followed for at least 6 months for range of motion and work return and surgery complications.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201405142115N3**

Registration date: **2016-02-23, 1394/12/04**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-02-23, 1394/12/04

Registrant information

Name

Ali Reza Saied

Name of organization / entity

Kerman Neuroscience research center, Kerman

University of medical sciences

Country

Iran (Islamic Republic of)

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arsaied@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Kerman University of Medical Sciences

Expected recruitment start date

2016-03-08, 1394/12/18

Expected recruitment end date

2016-06-21, 1395/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of two methods of parallel percutaneous pinning from metacarpal head and cross pinning from condyle of proximal phalanx in proximal phalanx fractures in referrals to Shahid Bamonar Hospital, Kerman

Public title

Comparison of two methods of percutaneous pinning in treatment of proximal phalanges fractures

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: informed consent; proximal phalanx extra-articular fracture, except thumb Exclusion Criteria: Multiple fingers fractures; pathological fractures; pregnancy; Any underlying disease affecting bone healing

Age
No age limit
Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **15**

Randomization (investigator's opinion)
Randomized

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
Kerman University of medical sciences

Street address
Kerman, Jomhoory Bolvd.

City
Kerman

Postal code

Approval date
2010-09-23, 1389/07/01

Ethics committee reference number
93/701/KA

Health conditions studied

1

Description of health condition studied
extraarticular fracture of proximal pahalanx

ICD-10 code
S62.6

ICD-10 code description
Fracture of other finger

Primary outcomes

1

Description
finger joint range of motion

Timepoint

two months

Method of measurement
Goniometer

Secondary outcomes

1

Description
infection

Timepoint
teo months

Method of measurement
lab nad examination

Intervention groups

1

Description
In the first group the pins will be inserted from skin to the phalangeal condyles.

Category
Treatment - Surgery

2

Description
In the second group the pins will be inserted to the metacarpal head and then to the phalanx via skin

Category
Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center
Dr Bahonar Hospital, Kerman

Full name of responsible person
Alireza Saied

Street address
Dr Bahonar Hospital, Kerman, Iran

City
Kerman

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Kerman University of medical sciences

Full name of responsible person
Alireza Saied

Street address
Bahonar Hospital, Kerman

City
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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
Kerman 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
Kerman University of medical Sciences

Full name of responsible person
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Position
Orthopedic Surgeon, Associate Professor

Other areas of specialty/work

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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