

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

Comparison of clinical outcomes of two methods of casting and bandaging in the treatment of fractures without displacement of distal radius

Protocol summary

Summary

Objectives: Comparison of clinical outcomes of undisplaced distal radius fractures treated with casting and bandaging. Design: Randomized, single-center, phase II trial. Setting and conduct: bandage and casting method is performed randomly into two groups. Disability of patient is assessed by the measure of Dash after six weeks. Participants including major eligibility criteria: Inclusion criteria include patients Patients with extra-articular distal radius fractures; exclusion criteria include lack of cooperation. Intervention: bandage and casting method is performed randomly into two groups. main outcome measures variable: Inability of patients after treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016040627247N1**

Registration date: **2016-09-20, 1395/06/30**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-09-20, 1395/06/30

Registrant information

Name

Reza Farahnak

Name of organization / entity

Ahvaz Jondishapour University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Ahvaz Jondishapour University of Medical Sciences

Expected recruitment start date

2016-09-22, 1395/07/01

Expected recruitment end date

2016-12-19, 1395/09/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of clinical outcomes of two methods of casting and bandaging in the treatment of fractures without displacement of distal radius

Public title

Casts and bandages in fractures without displacement of the distal radius

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients Patients with extra-articular distal radius fractures. Exclusion criteria: lack of cooperation.

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Randomization will be done by using a random number table.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Ahvaz Jondishapour University of Medical Sciences

Street address

Vice chancellor for research, Ahvaz Jondishapour University of Medical Sciences, City University, Ahvaz

City

Ahvaz

Postal code

Approval date

2016-01-23, 1394/11/03

Ethics committee reference number

ir.ajums.rec.1394.587

Health conditions studied

1

Description of health condition studied

undisplaced distal radius fractures

ICD-10 code

S52.6

ICD-10 code description

Fracture of lower end of both ulna and radius

Primary outcomes

1

Description

Amount of inability

Timepoint

Before the intervention, three weeks after intervention and 6 weeks after the intervention.

Method of measurement

According to DASH score

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: casting

Category

Rehabilitation

2

Description

Intervention group: bandaging

Category

Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center

Golestan Hospital

Full name of responsible person

Reza Farahnak

Street address

Golestan Hospital, Farvardin Avenue, Ahvaz

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Ahvaz Jondishapour University of Medical Sciences

Full name of responsible person

Dr Nader Saki

Street address

Vice chancellor for research, Ahvaz Jondishapour University of Medical Sciences, City University, Ahvaz

City

Ahvaz

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, Ahvaz Jondishapour 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
Golestan Hospital
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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