

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

Comparison of endoscopic and open surgery of tendon transfer for radial nerve palsy

Protocol summary

Summary

This study compare, endoscopic and open surgery of tendon transfer in radial nerve palsy, and outcomes such as: tendon harvest time, rate of post surgical pain, length of hospitalization, amount of pain medication, patient satisfaction, amount of scar, length of scar, are measured. In this single blinded randomaized clinical trial ,patients with radial nerve palsy ten cases of tendon transfer in both endoscopic and open procedure done based random classification is balanced block randomization are done by the software.all procedures are performed by a single surgeon. At the end of surgery the person responsible for data collection related to study without having knowledge of the patient and surgical procedure ,collect informations .after completing the information ,this information will be analyzed with spss18statal software and it is considered significant if p-value less than .05.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016102430462N1**
Registration date: **2017-03-11, 1395/12/21**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-03-11, 1395/12/21

Registrant information

Name

Shahryar Sadeghi

Name of organization / entity

Iran University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Iran University of Medical Sciences

Expected recruitment start date

2016-03-19, 1394/12/29

Expected recruitment end date

2017-03-20, 1395/12/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of endoscopic and open surgery of tendon transfer for radial nerve palsy

Public title

Comparing the tow type of tendon surgery in the treatment of hand paralysis

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: patients with an age range 15-60 years with traumatic radial nerve injury Exclusion criteria: patients with non traumatic radial nerve injury; patients who have other peripheral nerve injury; patients treated with corticosteroids

Age

From **15 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size:

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**

Iran University of Medical Sciences

Street address

Iran University of Medical Sciences, Hemmat Highway, Tehran

City

Tehran

Postal code

1449614525

Approval date

2016-09-22, 1395/07/01

Ethics committee reference number

IR.IUMS.REC1395.9311256004

Health conditions studied**1****Description of health condition studied**

Radial nerve palsy

ICD-10 code

S44.2,S54.

ICD-10 code description

Injury of radial nerve at arm level .injury of radial nerve at forearm level

Primary outcomes**1****Description**

Tendons harvest time

Timepoint

During the intervention

Method of measurement

Minute

Secondary outcomes**1****Description**

Rate of Surgical site scar

Timepoint

Six months after surgery

Method of measurement

Vancouver scar scale

2**Description**

Length of surgical incision

Timepoint

During the intervention

Method of measurement

Centimeter

3**Description**

The amount of pain after surgery

Timepoint

Up to 24 hours after surgery

Method of measurement

Visual analogue pain

4**Description**

The level of patients satisfaction from extension of surgery

Timepoint

Six months after surgery

Method of measurement

Visual analog scale

5**Description**

The amount of pain medication after surgery

Timepoint

Up to 24 hours after surgery

Method of measurement

Dose of drug

6**Description**

Duration of hospitalization after surgery

Timepoint

At the time of hospital discharge

Method of measurement

Day

Intervention groups

1

Description

In the interventional group using endoscopic surgery ,using a minimum incision under the endoscopic magnification tendons are harvested

Category

Treatment - Surgery

2

Description

In the control group using conventional open surgery tendons are harvested

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Hazrat Fatemeh Hospital

Full name of responsible person

Shahryar Sadeghi

Street address

Hazrat Fatemeh Hospital, street 23, Yousefabad, Tehran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputyof research of Medical University of Iran

Full name of responsible person

Ali Javad mosavi

Street address

Central Building of Iran University of Medical sciences, Hemmat Highway, Tehran

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Deputyof research of Medical University of Iran

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

Iran University of Medical Sciences

Full name of responsible person

Shahryar Sadeghi

Position

Plastic surgery fellowship /assistant

Other areas of specialty/work

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Full name of responsible person

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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