# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

17 Sep 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 spss18statical 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**
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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**
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## 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**
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## Person responsible for scientific inquiries

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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*