

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Study of the effects of Scaphoid and Hamate mobilization in patients with mild to moderate carpal tunnel syndrome

Protocol summary

Summary

This single blind Randomized Clinical Trial was designed to compare the effects of Scaphoid and Hamate mobilization in patients with mild to moderate Carpal Tunnel Syndrome. A total of forty patients will be randomly assigned into 2 groups, control group and treatment group. control group will receive only splint, treatment group will receive splint with Scaphoid and Hamate mobilization. Both groups will use cock up splint for CTS for 8 weeks. Pain visual analog scale (VAS), (BQ-SYMPT) Bostone/Levine symptom severity scale and Bostone/Levine functional status scale (BQ-FUNC) and EDX studys will be assessed before intervention and 8 weeks after the intervention

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015120125317N1**

Registration date: **2016-01-11, 1394/10/21**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-01-11, 1394/10/21

Registrant information

Name

Vida Dinarvand

Name of organization / entity

University of Social Welfare and Rehabilitation Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

vi.dinarvand@uswr.ac.ir

Recruitment status

Recruitment complete

Funding source

modarres hospital

Expected recruitment start date

2015-12-22, 1394/10/01

Expected recruitment end date

2016-02-20, 1394/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study of the effects of Scaphoid and Hamate mobilization in patients with mild to moderate carpal tunnel syndrome

Public title

the effects of Scaphoid and Hamate mobilization in patients with carpal tunnel syndrome

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: patient with mild and moderate CTS confirmed by the presence of 1 or more of the following standard electrophysiological criteria: 1- prolonged distal motor latency (DML) (abnormal ≥ 4.2 ms) of Median nerve and 2) prolonged antidromic distal sensory latency (DSL) to the third digit (abnormal > 3.6 ms. Exclusion criteria: Pregnancy; Severe degree CTS; Background metabolic diseases such as: Diabetes mellitus; Hypothyroidism; Rheumatoid arthritis; Previous history of Corticosteroid injection in Carpal Tunnel; Severe atrophy of Thener muscles; cervical radiculopathy or significant polyneuropathy; Unwillingness to participate in the

present study;
Age
From **37 years** old to **60 years** old
Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **40**

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

University of Social Welfare and Rehabilitation
Sciences

Street address

Daneshjoo Blvd, Evin, Tehran

City

Tehran

Postal code

Approval date

2015-01-06, 1393/10/16

Ethics committee reference number

uswr.rec.1393.213

Health conditions studied

1

Description of health condition studied

Carpal Tunnel Syndrome

ICD-10 code

G56.0

ICD-10 code description

Carpal Tunnel Syndrome

Primary outcomes

1

Description

pain
Timepoint
0, 8 weeks after treatment

Method of measurement

Visual Analog Scale, that is from 0-10 and zero (0) means that you did not have any pain and ten (10) means that you had the worst pain imaginable

2

Description

Symptome Severity(pain and paresthesia)

Timepoint

0, 8 weeks after treatment

Method of measurement

Bostone/levine Symptome Severity Scale Questionnaire

3

Description

Functional Status

Timepoint

0, 8 weeks after treatment

Method of measurement

Bostone/levine Functional Status Scale Questionnaire

4

Description

Distal Sensory Peak Latency(SNAP) of median nerve

Timepoint

0, 8 weeks after treatment

Method of measurement

EDX Indexes

5

Description

Distal Motor Onset Latency(CMAP) of median nerve

Timepoint

0, 8 weeks after treatment

Method of measurement

EDX indexes

Secondary outcomes

empty

Intervention groups

1

Description

Intervention Group: Mobilization of Scaphoid and Hamate and Splint

Category

Treatment - Other

2

Description

Control Group: Splint

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Modarres Hospital of Tehran

Full name of responsible person

Seyed Ahmad Raeissadat

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Modarres Hospital of Tehran

Full name of responsible person

Seyed Ahmad Raeissadat

Street address

Shahid Modarres hospital, Kaj square, Saadat abad street Tehran

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shahid Modarres Hospital of Tehran

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

University of Social Welfare and Rehabilitations Sciences

Full name of responsible person

Vida Dinarvand

Position

MSc Student of Physiotherapy

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

University of Social Welfare and Rehabilitation Sciences

Full name of responsible person

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Position

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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