

The aim of this study is to investigate the influence of focused extracorporeal shockwave therapy in the treatment of patients with Carpal tunnel syndrome.

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	-

Summary

ID

NL-OMON28726

Source

NTR

Health condition

Carpal tunnel syndrome, Carpaal tunnel syndroom

Sponsors and support

Primary sponsor: Hogeschool Zuyd

Source(s) of monetary or material Support: Hogeschool Zuyd, Fysiotherapie Schambergen

Intervention

Outcome measures

Primary outcome

1. Night pain

Study description

Background summary

The Carpal tunnel syndrome is a frequent occurring compression neuropathy of the upper limb. Literature shows that surgery of the wrist is the most effective intervention for the treatment of Carpal tunnel syndrome. However surgery often leads to complications like instability and rather occurring degeneration of the wrist. Furthermore non-invasive interventions like braces, neurodynamic mobilization, Low Level Lasertherapy and ultrasound have positive effects in treating Carpal tunnel syndrome. But these are mostly short term effects. Because of these insufficient results of the different interventions more research is necessary to find an alternative non-invasive intervention for the treatment of Carpal tunnel syndrome. The aim of this study is to investigate the influence of focused extracorporeal shockwave therapy in the treatment of patients with Carpal tunnel syndrome.

Study objective

Focused extracorporeal shockwave therapy shows positive effect in the treatment of tendon disorders for example of the shoulder, elbow or by plantar fasciitis.

Study design

Five treatments during a five-day interval with a follow up four weeks after the last intervention.

Intervention

Focused extracorporeal shockwavetherapy.

Contacts

Public

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Scientific

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Eligibility criteria

Inclusion criteria

1. Night pain and paresthesia of the hand
2. Functional impairments in daily life
3. Positive Phalen sign
4. Positive Tinel sign
5. Age older than 18 years
6. Goed mental cognition en sufficient knowledge of the Dutch language

Exclusion criteria

1. Treatment with corticosteroid- and hyaluroninjections
2. Invasive of non-invasive treatments in the past, for example brace, neurodynamic mobilization, Low Level Lasertherapy and ultrasound
3. Pregnancy
4. Carpal tunnel syndrome symptoms caused by polyneuropathy
5. Cervical radiculopathies
6. Neck related disorders, for example Thoracic Outlet Syndrome or peripheral nerve entrapment
7. Hand related traumas (luxation of the carpalia or bonefracture)
8. Surgery of the hand/ wrist with placing of osteosynthesis material

9. Open wounds of the hand/ wrist

10. Mental instability

Study design

Design

Intervention model: Other

Control: N/A , unknown

Recruitment

NL

Recruitment status: Recruiting

Start date (anticipated): 24-02-2016

Enrollment: 5

Type: Anticipated

Ethics review

Positive opinion

Date: 09-03-2016

Application type: First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register ID

NTR-new NL5647

NTR-old NTR5762

Other Medisch Ethische Toetsingscommissie (METC) Zuyderland- Zuyd : 16-N-35

Study results

Summary results

N/A