

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

Gepubliceerd: 09-03-2016 Laatste bijgewerkt: 18-08-2022

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

Ethische beoordeling	Positief advies
Status	Werving gestart
Type aandoening	-
Onderzoekstype	-

Samenvatting

ID

NL-OMON28726

Bron

NTR

Aandoening

Carpal tunnel syndrome, Carpaal tunnel syndroom

Ondersteuning

Primaire sponsor: Hogeschool Zuyd

Overige ondersteuning: Hogeschool Zuyd, Fysiotherapie Schambergen

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

1. Night pain

Toelichting onderzoek

Achtergrond van het onderzoek

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.

Doel van het onderzoek

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

Onderzoeksopzet

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

Onderzoeksproduct en/of interventie

Focused extracorporeal shockwavetherapy.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

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

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

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

Onderzoeksoepzet

Opzet

Onderzoeksmodel: Anders

Controle: N.v.t. / onbekend

Deelname

Nederland

Status: Werving gestart

(Verwachte) startdatum: 24-02-2016

Aantal proefpersonen: 5

Type: Verwachte startdatum

Ethische beoordeling

Positief advies

Datum: 09-03-2016

Soort: Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
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NTR-new	NL5647
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NTR-old	NTR5762
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Ander register Medisch Ethische Toetsingscommissie (METC) Zuyderland- Zuyd : 16-N-35

Resultaten

Samenvatting resultaten

N/A