

Hand function 7 - 10 years after surgical repair of flexor tendon ruptures.

Gepubliceerd: 28-01-2013 Laatste bijgewerkt: 13-12-2022

To determine the outcome of hand function of (ex)patients with flexor tendon rupture 7 - 10 years after surgical repair. We expect that subjects with flexor tendon injury have significantly worse hand function than healthy subjects.

Ethische beoordeling	Positief advies
Status	Werving gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON20114

Bron

Nationaal Trial Register

Aandoening

Flexor tendon rupture. Flexor tendon injury. Buigpeesruptuur. Buigpeesletsel.

Ondersteuning

Primaire sponsor: Universitair Medisch Centrum Groningen

Overige ondersteuning: Universitair Medisch Centrum Groningen

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Passive and active joint mobility.

Toelichting onderzoek

Achtergrond van het onderzoek

Flexor tendon injury is one of the most common hand injuries and usually happens as an accident with a sharp object. Surgical repair is necessary to allow the patient to flex their fingers again. A dynamic splint is placed after the procedure to prevent adhesions and re-rupture at the same time. The longterm outcome of flexor tendon injury is still unclear. This study could be considered as a follow-up of Dr. M.W. Stenekes "Cerebral Reorganization and Motor Imagery after Flexor Tendon Repair, 2009" The same patients (n=28) will be used for a last measurement of hand function consisting of: range of motion, grip- and pinchstrength, MHQ, 9-hole Peg Test, VAS and response time test. The results will allow us to determine the overall hand function of flexor tendon patients. The patients hand function will also be compared with normative data based on literature. The testing will take place in the University Medical Center Groningen in The Netherlands. Knowing more about the long term outcome could provide doctors with better patient education.

Doel van het onderzoek

To determine the outcome of hand function of (ex)patients with flexor tendon rupture 7 - 10 years after surgical repair. We expect that subjects with flexor tendon injury have significantly worse hand function than healthy subjects.

Onderzoeksopzet

One moment of testing (follow-up of a study performed 7 years ago).

Onderzoeksproduct en/of interventie

Hand function test consisting of:

1. Range of motion;
2. Grip- and pinchstrength;
3. Michigan Hand Questionnaire;
4. 9-hole Peg test;
5. Visual Analogue Scale;
6. Response Time.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. Patients who had flexor tendon injury from August 1, 2003 until December 31, 2005;
2. Complete sharp transection of at least a flexor digitorum superficialis (FDS) or flexor digitorum profundus (FDP) tendon;
3. Age 18 – 65;
4. Patient was eligible for tenorrhaphy and postoperative dynamic splint therapy.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. Subjects with fractures, tendon ruptures and impaired motor function due to a nerve lesion or (pre-existent) upper extremity disorders that can influence the outcome measures;

2. Legally incapacitated patients.

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Parallel
Toewijzing:	N.v.t. / één studie arm
Blinding:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland	
Status:	Werving gestart
(Verwachte) startdatum:	01-02-2013
Aantal proefpersonen:	28
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies	
Datum:	28-01-2013
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
NTR-new	NL3550
NTR-old	NTR3832
Ander register	METC UMCG : 2012/348
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Resultaten

Samenvatting resultaten

N/A