

Shoulder exam according to Huijsmans: research to the interrater reliability and validity

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Reliability and accuracy of the simple shoulder exam is moderate to good

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

Samenvatting

ID

NL-OMON29178

Bron

Nationaal Trial Register

Verkorte titel

Shieva

Aandoening

shoulder pain

Ondersteuning

Primaire sponsor: none

Overige ondersteuning: none

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

the interrater reliability will be calculated with kappa and will follow the following values <40 bad, 0,41-60 reasonable, 0,61- 0,80 good and 0,81-1,00 very good interrater reliability. For

calling sensitivity and specificity high a value of 80% and higher will be used. A positive LR >10 and a negative LR <0.1 will be used as high significance for the likelihood whether or not the condition is present.

Toelichting onderzoek

Achtergrond van het onderzoek

In 2013 orthopedic surgeon Huijsmans developed a simple shoulder exam. This simple shoulder exam is used at Bergman clinics, but has not been researched on reliability and validity. With this research we want to examine the interrater reliability and validity of this model and get an impression if it can be used by physical therapists.

Method: The research will be carried out in the clinic from orthopedic surgeon Huijsmans with 75 clients with shoulder pain who come for their first consult. All clients will go through the exam twice, first by the physical therapist after that by the orthopedic surgeon as part of the usual care. To make sure the study is blinded the PT will leave the room after she is done with her part of the research. Directly afterwards the orthopedic surgeon will start the usual care. Clients are free to refuse to participate and can stop their participation at all times. All the data is saved in Castor and every test subject is given a personal code so their identity is concealed.

The interrater reliability will be calculated with a kappa coefficient and percentage of agreement. The validity will be calculated by sensitivity, specificity and likelihood ratio.

The difference with the usual care is that the PT asks two questions and executes a maximum of four physical tests before the consult with the orthopedic surgeon.

The chance on increase of pain is minimal because the PT has 20 years of experience and will perform the tests meticulously.

The exams from the PT and orthopedic surgeon are taking place one after the other. The benefit is that there is no natural course of the disease. Possible disadvantages can be that the test subjects can remember the outcome from the first tests and take that into account during the second examination and there might have been a change in the mobility of the shoulder.

Doel van het onderzoek

Reliability and accuracy of the simple shoulder exam is moderate to good

Onderzoeksopzet

One time exam

Onderzoeksproduct en/of interventie

none

Contactpersonen

Publiek

Fysiotherapie Schoutenhoek
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Wetenschappelijk

Fysiotherapie Schoutenhoek
Hendrika de Heer

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- Clients with shoulder pain
- Clients are older than 18
- Clients who come for their first appointment at the orthopedic surgeon for treatment
- Client gives permission for the research and except the consequences linked to the research

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- A operation less than two years ago in the shoulder area on the affected side
- A fracture less than 6 months old in the shoulder area on the affected side
- Suspicion of a fracture in the shoulder area on the affected side
- Malignancies or suspicion of malignancies in the shoulder area
- Neurological disorders that seriously affect shoulder function
- Limited understanding of the dutch language

Onderzoeksopzet

Opzet

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

Deelname

Nederland	
Status:	Werving gestart
(Verwachte) startdatum:	06-12-2019
Aantal proefpersonen:	75
Type:	Verwachte startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Nog niet bepaald

Ethische beoordeling

Positief advies	
Datum:	05-12-2019
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	NL8230
Ander register	METC Zuyderland : METCZ20190127

Resultaten