

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

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON29178

Source

Nationaal Trial Register

Brief title

Shieva

Health condition

shoulder pain

Sponsors and support

Primary sponsor: none

Source(s) of monetary or material Support: none

Intervention

Outcome measures

Primary outcome

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.

Secondary outcome

The simple shoulder exam might be a helpful tool to use at primary care

Study description

Background summary

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.

Study objective

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

Study design

One time exam

Intervention

none

Contacts

Public

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Eligibility criteria

Inclusion criteria

- 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

Exclusion criteria

- 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

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	06-12-2019
Enrollment:	75
Type:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Positive opinion	
Date:	05-12-2019
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	NL8230
Other	METC Zuyderland : METCZ20190127

Study results