

"The measurement properties of the Dutch Modified Anterior Knee Pain Scale (GNAKPS 10-16) for children of 10-17 years old with Osgood Schlatter (OSD) or Patellofemoral Pain Syndrom (PFPS)"

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Validity: 1.) Correlation between total score of the questions about the construct "function" from the GNAKPS10-16 and the PSK in a group of 10-17 year old children with Osgood-Schlatter is equal to or higher than 0.70 with a p...

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

Samenvatting

ID

NL-OMON24693

Bron

Nationaal Trial Register

Aandoening

Patellafemoral pain syndrome, Osgood-Schlatter Disease, PFPS, OSD, AKPS, Kujala, GNAKPS10-16, Dutch

Ondersteuning

Primaire sponsor: Avans Hogeschool Breda

Overige ondersteuning: Avans Hogeschool Breda

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

correlation in r , re-test reliability in ICC/LoA/SDC, responsiveness in AUC

Toelichting onderzoek

Doel van het onderzoek

Validity:

- 1.) Correlation between total score of the questions about the construct "function" from the GNAKPS10-16 and the PSK in a group of 10-17 year old children with Osgood-Schlatter is equal to or higher than 0.70 with a p-value of < 0.05 .
- 2.) The negative correlation between total score of the questions about the construct "pain" from the GNAKPS10-16 and the NPRS in a group of 10-17 year old children with Osgood-Schlatter is equal to or higher than 0.70 with a p-value of < 0.05 .
- 3.) Children of 10-17 year old with Osgood-Schlatter score a significantly (p-value < 0.05) lower GNAKPS10-16 score than 10-17 year old children without any physical complaints score

Reliability:

The GNAKPS10-16 has an Intraclass correlation coefficient (ICCagreement) of $0.7 <$ or equal to 0.7 for children from 10-17 year old with Osgood-Schlatter or Patellofemoral Pain Syndrome with no improvement (measured with the 7-point Global Perceived Effect(GPE)-scores 3,4,5)

Responsiveness:

De Area Under Curve (AUC) of the GNAKPS10-16 compared to the 7-point GPE (improved = score 1 or 2 / not improved = score 3 or 4 or 5) is >0.7 or equal to 0.7 for 10-17 year old children with Osgood-Schlatter or PFPS

Onderzoeksopzet

OSD:

T0: PSK, NPRS, GNAKPS10-16

T1 (2wks): GPE, GNAKPS10-16

T2 (6wks): GPE, GNAKPS10-16

PFPs

T0: GNAKPS10-16

T1 (2wks): GPE, GNAKPS10-16

T2 (6wks): GPE, GNAKPS10-16

Control:

T0: GNAKPS10-16

Onderzoeksproduct en/of interventie

Subjects with OSD fill in GNAKPS10-16 in combination with PSK & NPRS.

Subjects with PFPs fill in GNAKPS10-16.

Control group fill in GNAKPS10-16

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Inclusion PFPS & OSD:

- >2 weeks complaints on knee (non traumatic)
- diagnosis by orthopaedic surgeon, doctor/physician or physical therapist
- age minimum 10 years, maximum 17 years
- can read and understand Dutch language

Inclusion PFPS

- Positive patella test (Clarke / Grind)
- Pain during at least 3 of 5 following symptoms: long sitting with bended knees, walking stairs, cycling, running, squatting

Inclusion OSD

- tenderness/pain during palpation tuberositas tibia/distal patella tendon
- swollen/warm tuberositas tibia
- pain at the tuberositas tibia during active knee extension from 30 degrees of flexion with manual resistance

Inclusion control group:

- age minimum 10 years, maximum 17 years
- speaks and understands Dutch language
- completely injury free on lower extremities and back/spine

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Exclusion criteria PFPS and OSD

- History of surgery (injured) knee
- Neurological cause of disturbed walking pattern
- no signed consent by parents/caretakers
- age below 10 or exceeding 16 years
- Intra-articular knee pathology
- Jumpers Knee

Exclusion criteria PFPS

- Positive OSD-test (as mentioned above)

Exclusion criteria OSD

- Positive patella test (Clarke / Grind, as mentioned above)

Exclusion criteria control group

- age below 10 of exceeding 16 years
- do not speak or understand Dutch language
- Severe problems with speak or cognition
- injured at lower extremity < 2 week ago

Severe physical (congenital) or coördinative deviatons

Onderzoeksopzet

Opzet

Type: Observationeel onderzoek, zonder invasieve metingen

Onderzoeksmodel:	Parallel
Toewijzing:	N.v.t. / één studie arm
Blinding:	Enkelblind
Controle:	N.v.t. / onbekend

Deelname

Nederland	
Status:	Werving nog niet gestart
(Verwachte) startdatum:	03-07-2018
Aantal proefpersonen:	0
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies	
Datum:	05-07-2018
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	NL7119
NTR-old	NTR7324
Ander register	METC Zuyd : METCZ20180068

Resultaten