

The evaluation of pelvic floor muscle tone depending on how the probe was placed.

Gepubliceerd: 04-10-2013 Laatste bijgewerkt: 18-08-2022

1. A higher resting and functional PFM activity is observed in more distal areas from the introitus of the vagina. 2. A higher resting and functional PFM activity is observed on the anterior wall of the vagina

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

Samenvatting

ID

NL-OMON23969

Bron

NTR

Aandoening

Keywords: pelvic floor muscle, vaginal probe, electromyography;

Trefwoorden: bekkenbodemspieren, vaginale sonde, elektromyografie;

Ondersteuning

Primaire sponsor: Medical University in Wroclaw, Poland;
Public Higher Medical Professional School in Opole, Poland.

Overige ondersteuning: Self-financing research

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

The electromyographic examination of pelvic floor muscles by means of intravaginal probe.

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Toelichting onderzoek

Achtergrond van het onderzoek

none

Doel van het onderzoek

1. A higher resting and functional PFM activity is observed in more distal areas from the introitus of the vagina.
2. A higher resting and functional PFM activity is observed on the anterior wall of the vagina

Onderzoeksopzet

Immediately after all examinations are completed for each patient

Onderzoeksproduct en/of interventie

The main objective is to determine how depth of placement of electrodes influences its influence on functional and resting bioelectrical activity of PFM. Moreover the probe will be placed in two different ways: toward the anterior or posterior wall of the vagina. A secondary objective is to evaluate the correlation between the activity of PFM, which was measured at various areas of vagina

The target population in this study will be healthy, nulliparous women. Lack of control group.

Participants will need to attend the examination once only. The duration of the examination will be approximately 30 minutes.

The measurements:

Electromyographic examination of pelvic floor muscles by means of the intravaginal probe OPTIMA 3 (Sugar International, France) with 3 independent, hemispherical electrodes (recording plates).

Measurement of electrical activity of PFM will be assessed in standing position. Prior to measurements, each participant will be instructed how to perform an isolated PFM contraction and take positions used in this study. Resting and functional sEMG activity (in microvolts - μ V) will be recorded.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. Subject's consent to participate in the study,
2. Attending physician's consent,
3. Nulliparous, healthy woman,
4. Good general well-being.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. Contraindications to measurements (infection, menstruation),
2. Lack of subject's consent,

3. Gynecological surgeries
4. Worsening of pain ailments during examination,
5. Urinary incontinence
6. Past or present injuries within the pelvis, hip joint or spine,
7. Past or present the occurrence of pregnancy
8. Congenital and inherited anomalies of the reproductive system.

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:	01-08-2013
Aantal proefpersonen:	100
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies	
Datum:	04-10-2013
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	NL4109
NTR-old	NTR4254
Ander register	: none
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Resultaten

Samenvatting resultaten

none