

Effect of the direct superior approach versus the posterolateral approach on gait analysis after a total hip prosthesis

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

Samenvatting

ID

NL-OMON29294

Bron

NTR

Verkorte titel

HIPSAP

Aandoening

hip arthritis

Ondersteuning

Primaire sponsor: Amphia wetenschapsfonds

Overige ondersteuning: Stichting FORCE / Amphia wetenschapsfonds

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

The primary outcome measure is the difference in the ground reaction force of the affected leg relative to the unaffected leg measured 4 weeks postoperatively while performing a gait analysis on the GRAIL. The symmetry of this outcome measure is compared between the DSA and the PLA group.

Toelichting onderzoek

Achtergrond van het onderzoek

Rationale: The Total Hip Arthroplasty (THA) is one of the most successful orthopedic operations. The aim of the operation is to remove the pain and functional limitation associated with coxarthrosis, so that patients can function independently again. However, the clinical results of the minimally invasive techniques on these outcome measures vary. For example, different studies with different minimally invasive approaches show hardly any significant differences with regard to gait in the later recovery phases. The earlier significant differences that were found, are demonstrated in the early phase after the THA.

In recent years, several new minimally invasive techniques have been developed to perform the THA. The purpose of these minimally invasive approaches is to limit muscle damage during THA, which would reduce postoperative pain and have a faster postoperative recovery.

One of the newest minimally invasive techniques is the Direct Superior Approach (DSA). This is a tissue-saving approach whereby the iliotibial tract is left intact compared to the standard Postero-Lateral Approach (PLA). In theory, this approach should reduce postoperative pain and a faster functional recovery. However, this has not been investigated yet.

Doel van het onderzoek

One of the newest minimally invasive techniques is the Direct Superior Approach (DSA). This is a tissue-saving posterior approach whereby the iliotibial tract is left intact compared to the standard Postero-Lateral Approach (PLA). In theory, this approach should reduce postoperative pain and has a faster functional recovery.

Onderzoeksopzet

Measurements on the GRAIL will take place after 4, 8 and 12 weeks after the operation

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- On the waiting list for a total hip arthroplasty because of arthritis
- having a BMI<35

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- having a BMI>35 hebben
- an earlier joint replacing operation of the lower extremities in the last year

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Anders
Toewijzing:	Gerandomiseerd
Blindering:	Enkelblind
Controle:	N.v.t. / onbekend

Deelname

Nederland
Status: Werving gestart
(Verwachte) startdatum: 11-02-2019
Aantal proefpersonen: 20
Type: Verwachte startdatum

Voornemen beschikbaar stellen Individuele Patiënten Data (IPD)

Wordt de data na het onderzoek gedeeld: Nee

Ethische beoordeling

Positief advies
Datum: 05-03-2019
Soort: Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 45774
Bron: ToetsingOnline
Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL7641
CCMO	NL66078.100.18
OMON	NL-OMON45774

Resultaten