

Day Care Surgery for Unicompartmental Knee Arthroplasty

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We hypothesize that there is no difference between the Day Care surgery pathway compared to the Rapid Recovery pathway in patients operated for unicompartmental knee arthroplasty (UKA).

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

Samenvatting

ID

NL-OMON23741

Bron

NTR

Verkorte titel

UKA, uni knee arthroplasty

Aandoening

This case controlled study will evaluate patients who have been operated for unilateral UKA and followed the Rapid Recovery- or the Day Care Surgery pathway, all operated by one single experienced knee arthroplasty surgeon (NK). All data will be obtained from the patient records.

Ondersteuning

Primaire sponsor: non to be reported

Overige ondersteuning: non to be reported

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Safety

Complications and readmissions are recorded in the patients record. Complications are classified as surgical related (infection), patient related (trombo embolic complication and wound problems) or prosthesis related (loosening).

Toelichting onderzoek

Achtergrond van het onderzoek

There has been increasing interest in accelerated programs for day care surgery within unicompartmental knee arthroplasty (UKA) in Europe. We examined the feasibility of a elective day care surgery pathway in patients undergoing UKA.

Doel van het onderzoek

We hypothesize that there is no difference between the Day Care surgery pathway compared to the Rapid Recovery pathway in patients operated for unicompartmental knee arthroplasty (UKA).

Onderzoeksopzet

Pre-, per- 3 months and 1 year post operative

Onderzoeksproduct en/of interventie

As part of the pathway, 6 weeks before surgery patients visit the “Joint school” to get familiar with the postoperative exercises, the training program and walking (stairs) with crutches under the supervision of a physiotherapist.

Indication for surgery, are as generally accepted for UKA. Patients are operated with the use of patients specific pin guides (PSG; Signature, Biomet, Warsaw INC) without tourniquete and received the uncemented Oxford partial knee implant (Biomet, Warsaw INC). Intra operatively, a long acting analgesia (150ml Ropivacaine (2mg/ml)) is injected as described by the protocol of Kehlet and Andersen for early postoperative pain relief before insertion of the prosthesis. [10] First posterior (50ml) and anterior (50ml) joint capsule are injected. After prosthesis is placed the subcutis is infiltrated (50ml). No drains and catheters are used. Urine retention is tested with the use of a bladder scan.

Within 6 hours of infusion of spinal anesthesia the patient starts to mobilize under the supervision of a physiotherapist. Daily exercises are executed individually. Patients are

discharged if following criteria are achieved: safe mobilization, transfers and able to walk stairs with crutches if necessary and a knee flexion of $>70^{\circ}$.

Contactpersonen

Publiek

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Completed the full follow up (1Y)

Complete data

Patient who followed the Day Care Surgery- or the Rapid Recovery pathway

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Patients who did not complete the full follow up (1Y)

Incomplete data

Patient did not follow the Day Care Surgery- or the Rapid Recovery pathway

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Cross-over
Toewijzing:	Niet-gerandomiseerd
Blinding:	Open / niet geblindeerd
Controle:	Geneesmiddel

Deelname

Nederland	
Status:	Werving gestart
(Verwachte) startdatum:	01-06-2014
Aantal proefpersonen:	40
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:	06-05-2014
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	NL4456
NTR-old	NTR4579
Ander register	- : 14-N-52

Resultaten

Samenvatting resultaten

Nanne P. Kort, Yoeri F.L. Bemelmans, Martijn G.M. Schotanus. Outpatient surgery for unicompartmental knee arthroplasty is effective and safe. Knee Surg Sports Traumatol Arthrosc DOI 10.1007/s00167-015-3680-y\