

# Anesthesia for day-case arthroscopic knee surgery in adult patients

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In this study, we want to find the anesthetic technique with the highest patient satisfaction, best surgical and anesthesiological conditions and the technique with the highest time efficiency. We compare three anesthetic techniques.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Recruitment stopped
<b>Health condition type</b>	Other condition
<b>Study type</b>	Interventional

## Summary

### ID

NL-OMON34493

### Source

ToetsingOnline

### Brief title

Anesthesia for arthroscopic knee surgery

### Condition

- Other condition
- Therapeutic procedures and supportive care NEC

### Synonym

Comparison of anesthetic techniques in patients for arthroscopic knee surgery

### Health condition

anesthesie

### Research involving

Human

## Sponsors and support

**Primary sponsor:** Catharina-ziekenhuis

**Source(s) of monetary or material Support:** Ministerie van OC&W

## Intervention

**Keyword:** Day-case arthroscopic knee surgery, General anesthesia, Sciatic-femoral nerve block, Spinal anesthesia

## Outcome measures

### Primary outcome

Primary study outcome is time to home discharge of the patient. Patients are treated in a ambulatory day-care centre. When patients are ready for discharge from the recoveryroom, they are also ready for discharge from the hospital and are allowed to go home.

### Secondary outcome

Secondary study outcomes are preparation times of the anesthetic technique, during times of operation and recovery. Patient, surgical and anesthesiological satisfaction also will be measured. Conditions of anesthetic techniques will be measured with accurate tests.

## Study description

### Background summary

Day-case surgery has a high patients turnover. Different anesthetic techniques could be an obstruction for this high patient turnover, because they could take a lot of time. In this study, we are looking for the anesthetic technique which guarantees the high patient turnover, and for this reason is time efficient. The anesthetic technique also has to deal with patient satisfaction and take care for good perioperative and surgical conditions.

### Study objective

In this study, we want to find the anesthetic technique with the highest patient satisfaction, best surgical and anesthesiological conditions and the technique with the highest time efficiency. We compare three anesthetic techniques.

## **Study design**

This study is a prospective trial. Patients get randomised to one of three anesthetic techniques; spinal anesthesia, general anesthesia or a sciatic-femoral nerve block. We will measure different characteristics before, during and after the procedure; like time, surgical conditions and satisfaction, patient satisfaction and anesthetic conditions.

## **Intervention**

-

## **Study burden and risks**

-

## **Contacts**

### **Public**

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NL

### **Scientific**

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## **Trial sites**

### **Listed location countries**

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

ASA physical status I-II

Aged 18-75 years

Elective arthroscopic knee surgery in day-case setting

### Exclusion criteria

Patients with:

Cardiac disease

Pulmonary disease

Diabetes mellitus

BMI > 35 kg/m<sup>2</sup>

Peripheral neuropathy

Contra-indications for regional or general anesthesia

Chronic analgesia therapy

Not fasted from drinks or food > 6 hours before anesthesia

## Study design

### Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	Active
Primary purpose:	Treatment

### Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	09-05-2011
Enrollment:	300
Type:	Actual

## Ethics review

Approved WMO	
Date:	11-11-2010
Application type:	First submission
Review commission:	MEC-U: Medical Research Ethics Committees United (Nieuwegein)

## 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
CCMO	NL32363.060.10