

The efficacy of levobupivacaine, ropivacaine and bupivacaine for combined psoas compartment - sciatic nerve block in patients undergoing total hip replacement

Submission date 27/06/2007	Recruitment status No longer recruiting	☐ Prospectively registered
Registration date 27/06/2007	Overall study status Completed	☐ Protocol
Last Edited 28/10/2008	Condition category Musculoskeletal Diseases	☐ Statistical analysis plan
		☒ Results
		☐ Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

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Additional identifiers

Protocol serial number

NTR990

Study information

Scientific Title

Study objectives

Psoas compartment - sciatic nerve block, as an adjuvant locoregional anaesthetic technique, gives sufficient post operative pain reduction after total hip replacement, regardless which long acting local anaesthetic ([levo]bupivacaine or ropivacaine in equipotent dosages) is used.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval received from the local medical ethics committee

Study design

Randomised, controlled, double blinded, parallel group trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Psoas compartment block, sciatic nerve block, total hip replacement

Interventions

Psoas compartment - sciatic nerve block given with bupivacaine, levobupivacaine or ropivacaine.
Duration of the intervention: 10 minutes

Intervention Type

Drug

Phase

Not Specified

Drug/device/biological/vaccine name(s)

Bupivacaine, levobupivacaine, ropivacaine

Primary outcome(s)

Pain (Visual Analog Scale) at T = 4, 8, 12, 24, 48 hours post-puncture.

Key secondary outcome(s)

1. Degree of motor block (Modified Bromage Scale) at T = 4, 8, 12, 24, 48 hour post-puncture
2. Degree of sensory block (loss of pin-prick sensation in leg dermatomes) at T = 4, 8, 12, 24, 48 hour post-puncture

Completion date

01/01/2005

Eligibility

Key inclusion criteria

1. Age above 18
2. American Society of Anaesthesiologists (ASA) classification I - III
3. Total Hip Replacement under general anaesthesia

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

Not Specified

Key exclusion criteria

1. Coagulation disorders
2. Infections at puncture sites
3. Known allergy to local anaesthetics
4. Pre-existing neurological dysfunction
5. Not being able to properly communicate

Date of first enrolment

01/06/2003

Date of final enrolment

01/01/2005

Locations

Countries of recruitment

Netherlands

Study participating centre

Vrije University Medical Centre

Amsterdam

Netherlands

1007 MB

Sponsor information

Organisation

Vrije University Medical Centre (VUMC) (The Netherlands)

ROR

<https://ror.org/00q6h8f30>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Vrije University Medical Centre (VUMC) (The Netherlands)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/07/2008		Yes	No