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Preoperative Acute Normovolaemic Haemodilution (ANH) in combination with Hypotensive Epidural Anaesthesia (HEA)

Submission date 12/04/2002	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 12/04/2002	**Overall study status** Completed	
Last Edited 06/09/2007	**Condition category** Musculoskeletal Diseases	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
N/A

Study information

Scientific Title

Study objectives
Not provided at time of registration

Ethics approval required
Old ethics approval format

Ethics approval(s)
Not provided at time of registration

Study design
Randomised controlled trial

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
Hospital

Study type(s)
Treatment

Participant information sheet

Health condition(s) or problem(s) studied
Knee arthroplasty surgery

Interventions
Patients were consecutive and blindly randomised to hypotensive epidural anaesthesia with or without acute normovolaemic haemodilution.

A mean of 877 ml blood was predonated (19.7% of the total blood volume). Blood loss was, except from the intraoperative loss, significantly higher in the ANH group. The total loss was 1306 mL (ANH) versus 1026 mL (non-ANH), $P < 0.05$. Except from the first hour postoperatively, haematocrit was identical in between groups postoperatively. The amount of blood transfusion was identical 386 ml (ANH) versus 343 ml (non-ANH) (NS). 50% went through surgery without receiving blood (ANH) versus 58% (non-ANH). No renal, neurological or cardiopulmonary complications were registered.

Intervention Type
Other

Phase

Not Specified

Primary outcome measure
Not provided at time of registration

Secondary outcome measures
Not provided at time of registration

Overall study start date
01/01/2000

Completion date
01/01/2001

Eligibility

Key inclusion criteria
Patients scheduled for primary cemented Total Knee Replacement (TKR) surgery

Participant type(s)
Patient

Age group
Not Specified

Sex
Not Specified

Target number of participants
28

Key exclusion criteria
Not provided at time of registration

Date of first enrolment
01/01/2000

Date of final enrolment
01/01/2001

Locations

Countries of recruitment
Denmark

Study participating centre
Department of Anaesthesia
Aarhus Amtssygehus

Denmark
DK-8000

Sponsor information

Organisation
Aarhus University Hospital (Denmark)

Sponsor details
Department of Anaesthesia
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Sponsor type
Hospital/treatment centre

ROR
https://ror.org/040r8fr65

Funder(s)

Funder type
Not defined

Funder Name
Not provided at time of registration

Results and Publications

Publication and dissemination plan
Not provided at time of registration

Intention to publish date

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	18/04/2002		Yes	No