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Carbon monoxide and Compound A measurements with desflurane and sevoflurane anaesthesia in humans: an observational study

Submission date 27/06/2007	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol [_] Statistical analysis plan [X] Results [_] Individual participant data
Registration date 27/06/2007	**Overall study status** Completed	
Last Edited 06/08/2021	**Condition category** Signs and Symptoms	

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
N/A

Study information

Scientific Title

Carbon monoxide and Compound A measurements with desflurane and sevoflurane anaesthesia in humans: an observational study

Study objectives
The purpose of this study is to register the average Carbon monoxide (CO) concentrations in forty patients receiving desflurane or sevoflurane anaesthesia after implementation of a safety protocol to prevent desiccation of the strong base containing absorbent Drägersorb 800 Plus®.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Ethics approval received from the local medical ethics committee

Study design
Observational, case-control study

Primary study design
Observational

Study type(s)
Screening

Health condition(s) or problem(s) studied
Anaesthesia

Interventions
Desflurane or sevoflurane anaesthesia.

Intervention Type
Drug

Phase
Not Specified

Drug/device/biological/vaccine name(s)
Desflurane, sevoflurane

Primary outcome(s)
Amount of carbon monoxide or compound A produced.

Key secondary outcome(s))
No secondary outcome measures

Completion date
01/10/2006

Eligibility

Key inclusion criteria
1. Non-smoking patients
2. American Society of Anaesthesiologists physical status class 1 to 3
3. Scheduled for a surgical procedure that would last at least ninety minutes

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Sex
Not Specified

Total final enrolment
40

Key exclusion criteria
1. Younger than 18 years of age
2. Suffering from terminal renal failure

Date of first enrolment
01/08/2005

Date of final enrolment
01/10/2006

Locations

Countries of recruitment
Netherlands

Study participating centre
Netherlands Cancer Institute (NKI)
Amsterdam
Netherlands
1066 CX

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		08/05/2008	06/08/2021	Yes	No