

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
Registration date 27/06/2007	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 06/08/2021	Condition category Signs and Symptoms	☐ Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Additional identifiers

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

Primary study design

Observational

Study design

Observational, case-control study

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