

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

<b>Submission date</b> 27/06/2007	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 27/06/2007	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 06/08/2021	<b>Condition category</b> Signs and Symptoms	<input type="checkbox"/> 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

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
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

## Secondary study design

Case-control study

## Study setting(s)

Hospital

## Study type(s)

Screening

## Participant information sheet

## 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 measure**

Amount of carbon monoxide or compound A produced.

**Secondary outcome measures**

No secondary outcome measures

**Overall study start date**

01/08/2005

**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

**Age group**

Adult

**Sex**

Not Specified

**Target number of participants**

40

**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)

**Sponsor details**  
Department of Anesthesiology  
P.O. Box 7057  
Amsterdam  
Netherlands  
1007 MB

**Sponsor type**  
Hospital/treatment centre

**Website**  
<http://www.vumc.nl/english/>

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

## **Funder(s)**

**Funder type**  
Hospital/treatment centre

**Funder Name**  
Vrije University Medical Centre (VUMC) (The Netherlands)

## **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?
<a href="#">Results article</a>		08/05/2008	06/08/2021	Yes	No