

Bloedgas analyse in neonaten.

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON24448

Source

NTR

Health condition

Arterial, venous and capillary blood gas interchangeability in neonates and the clinical relevancy of this difference.

Sponsors and support

Primary sponsor: LUMC

Source(s) of monetary or material Support: LUMC

Intervention

Outcome measures

Primary outcome

Analysis of arterial, venous and capillary blood gases. Are they interchangeable and/or is there a clinical difference between them.

Secondary outcome

Does clinical circumstances matter?

Study description

Background summary

In NICU arterial blood gas sampling is the golden standard to monitor ventilated patients. Arterial access is not always technically possible and should always be well weighed against complications as thrombosis, infection and ischemia. In absence of arterial access, capillary blood gases are used in standard of care. Because venous blood gases are said to be unreliable, they are not used. Even if due to other reason venous blood have to be drawn, a capillary blood gas will be taken separately. In literature there is lack of evidence whether the different blood gases are, even partly, reliable enough to be used for clinical purposes.

Study objective

There is a clinically relevant difference between the arterial, venous and capillary blood gas.

Study design

During the period of admission at our NICU, there will be drawn maximum of 3 samples per patient.

Intervention

To investigate at the same time arterial, venous and capillary blood gases.

Contacts

Public

department neonatology LUMC (Leids University Medical Center)
Albinusdreef 2
R.N.G.B. Tan
Leiden 2333 ZA
The Netherlands
+31 (0)71 5262909

Scientific

department neonatology LUMC (Leids University Medical Center)
Albinusdreef 2
R.N.G.B. Tan
Leiden 2333 ZA
The Netherlands
+31 (0)71 5262909

Eligibility criteria

Inclusion criteria

All neonates who need a blood gas analysis.

Exclusion criteria

N/A

Study design

Design

Study type:	Observational non invasive
Intervention model:	Parallel
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	01-02-2013
Enrollment:	200
Type:	Anticipated

Ethics review

Positive opinion	
Date:	28-01-2013
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL3649
NTR-old	NTR3833
Other	METC LUMC : p12.178
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results

N/A