Inter- and intra-observer variability in first-trimester uterine artery Doppler measurements.

Published: 26-04-2021
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To assess the inter- and intra-variabiltiy of the Uterine Artery Doppler measurement in first trimester pregnancies.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Pregnancy, labour, delivery and postpartum conditions
Study type	Observational non invasive

Summary

ID

NL-OMON51049

Source
ToetsingOnline

Brief title
Uterine artery variability

Condition

- Pregnancy, labour, delivery and postpartum conditions

Synonym
Doppler ultrasound; uterine artery

Research involving
Human

Sponsors and support

Primary sponsor: Academisch Medisch Centrum
Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: Doppler ultrasound, Observer variability, Uterine artery

Outcome measures

Primary outcome

Inter- and intra-observer reproducibility of the pulsatility index of the

uterine artery.

Secondary outcome

Not applicable

Study description

Background summary

Doppler ultrasound measurements are increasingly performed in clinical practice to detect high-risk pregnancies. First-trimester uterine artery Doppler measurement might be a potential predictor for the development of maternal hypertensive disorders later on in pregnancy.
However, before implementing this measurement into clinical practice and prediction models, the test characteristics of this first-trimester Doppler measurements should be adequately studied.

Study objective

To assess the inter- and intra-variabiltiy of the Uterine Artery Doppler measurement in first trimester pregnancies.

Study design

Prospective observational study.

Study burden and risks

Study measurements are performed just after the ultrasound visit, no extra visits are required. There are no risks or benefits associated with participation.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

First-trimester sinigleton pregnancies

Exclusion criteria

Multiple pregnancy
Abnormal fetal heart tracings
Nonviable pregnancy

Study design

Design

Study type: Observational non invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	16-11-2021
Enrollment:	40
Type:	Actual

Ethics review

Approved WMO

Date:	26-04-2021
Application type:	First submission
Review commission:	METC Amsterdam UMC

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
CCMO	NL77103.018.21