

## Press release

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### Basic information

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Department of: Clinical Medicine

Main supervisor: Axel Forman

Title of dissertation: Placental vascular physiology and regulation

Date for defence: 22-06-2017 at (time of day): 14.00 Place: Aud A, Skejby sygehus, AUH. Palle Juul-Jensens Blvd 99 - 8200 Aarhus N

Press release (Danish)

### Ny viden om reguleringen af blodgennemstrømningen i moderkagen

"Placental vascular physiology and regulation" et ph.d.-projekt fra Aarhus Universitet, Health. Projekt forsvares i offentlighed. Forsvaret foregår på engelsk.

Projektet omhandler flere undersøgelser, der kortlægger og afslører nye sider af reguleringen af blodgennemstrømningen i den normale menneskelige moderkage. Undersøgelserne er foretaget på frisk fødte moderkager fra normale gravide med en normal graviditet. Der gennemgås basale forudsætninger for disse undersøgelser og nye resultater og offentliggøres. Der vil blive præsenteret evidens for en helt måde, som blodkarrerne i moderkages reguleres på. Dette er banebrydende, og der har tidligere kun været spekulationer herom. Potentialet bag denne nye opdagelse er potentielt stort og kan få betydning for behandling af komplikationer i svangerskabet.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 22/6 kl. 14 i auditorium A, Skejby sygehus, AUH, Palle Juul-Jensens Blvd. 99, 8200 Aarhus N. Titlen på projektet er "Placental vascular physiology and regulation". Yderligere oplysninger: Ph.d.-studerende Torbjørn Brøgger, e-mail: [thbr@clin.au.dk](mailto:thbr@clin.au.dk).

Press release (English)

### New knowledge regarding the regulation of human placental blood flow

"Placental vascular physiology and regulation" a PhD project from Aarhus University, Health. The project is to be defended in public. The defense takes place in English.

The project deals with several studies that investigate and reveal new aspects of the regulation of blood flow in the normal human placenta. The studies have been conducted on freshly born placentas from normal pregnant women with normal pregnancy. Basic prerequisites for these studies and new results will be reviewed and discussed. Evidence for a new signaling system regulating placental blood flow will be presented. This is groundbreaking news, until now there have only been speculations. The potential for this new discovery is significant and may be important for the treatment of complications in pregnancies.

The defense of the PhD project is public and takes place on 22/6 at 2 pm in Auditorium A, Skejby Hospital, AUH, Palle Juul-Jensens Blvd. 99, 8200 Aarhus N. The title of the project is "Placental vascular physiology and regulation". Further information: PhD student Torbjørn Brøgger, e-mail: [thbr@clin.au.dk](mailto:thbr@clin.au.dk).

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