

Press release

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Basic information

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Department of: Clinical Medicine

Main supervisor: Henrik Wiggers

Title of dissertation: Metformin treatment in heart failure patients: Myocardial energetics, whole-body metabolism, and cardiac uptake of metformin

Date for defence: 12 march 2020 at (time of day): 14:30 Place: Aarhus University Hospital, Palle Juul-Jensens Boulevard 99, 8200 Aarhus N

Press release (Danish)

Metformin-behandling til hjertesvigtspatienter: Effekt på hjertets effektivitet og helkrops-energiomsætning.

Hjertesvigt er en alvorlig sygdom med stigende forekomst. Sygdommen er karakteriseret af ændret energiomsætning i hjertemusklen, hvilket medfører forringet effektivitet af hjertet. Metformin er et hyppigt anvendt sukkersygelægemedel, som i dyreforsøg er vist at udvise bedrende effekter på hjertets energiomsætning, men data fra menneskestudier er sparsomme. Et nyt ph.d.-projekt fra Aarhus Universitet, Health har undersøgt om behandling med metformin medfører bedrende effekter på hjertets effektivitet, pumpeevne og energiomsætning hos hjertesvigtspatienter. Projektet er gennemført af Anders Hostrup Larsen, der forsvare det d. 12/3-2020.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 12/3 kl. 14.30 i Auditorium B (G206-142), Aarhus Universitetshospital, Palle Juul-Jensens Boulevard 99, Aarhus N. Titlen på projektet er "Metformin treatment in heart failure patients: Myocardial energetics, whole-body metabolism, and cardiac uptake of metformin". Yderligere oplysninger: Ph.d.-studerende Anders Hostrup Larsen, e-mail: andershostrup@dadlnet.dk, tlf. 2696 9658.

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Press release (English)

Metformin treatment in heart failure patients: Effects on myocardial energetics and whole-body metabolism

Heart failure is an endemic health problem in the developed society. The disease is characterized by deranged myocardial metabolism, which entails reduced myocardial efficiency. Metformin, a glucose-lowering agent, exerts beneficial effects on myocardial function in animal studies, but data from clinical trials are lacking. The present project investigated the effects of metformin on myocardial efficiency, contractile reserve, and whole-body metabolism. The project was carried out by Anders Hostrup Larsen, who is defending his dissertation on 12 march 2020.

The defence is public and takes place on 12 march at 14:30 in Aarhus University Hospital, Palle-Juul Jensens Boulevard 99, 8200, Aarhus N. The title of the project is Metformin treatment in heart failure patients: Myocardial energetics, whole-body metabolism, and cardiac uptake of metformin. For more information, please contact PhD student Anders Hostrup Larsen, email: andershostrup@dadlnet.dk, Phone +45 2696 9658.

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