

Press release

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Basic information

Name: Mads Svart Email: mvsv@clin.au.dk Phone:

Department of: Clinical Medicine

Main supervisor: Professor Niels Møller

Title of dissertation: Aspects of ketone body metabolism; studies in type 1 diabetes patients and healthy subjects

Date for defence: 1.marts at (time of day): 14 Place: M-aud, Nørrebro 44, bygning 3A, 3.sal

Press release (Danish)

Overskrift

Ketonstof har været metabolismens grimme ælling i mange årtier. I løbet af de seneste 20 år har de fået mere opmærksomhed pga potentielt store og gavnlige effekter hos syge mennesker. Vi har undersøgt hyperketonæmi i hospitalsindlagte patienter, lavet ketoacidose på type 1 diabetes patienter og undersøgt effekten af akut hyperetonæmi hos midaldrende raske. Således et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Mads Svart, der forsvare det d. 01/03

Forsvaret af ph.d.-projektet er offentligt og finder sted den 01/03 kl. 14 i M auditorium, Aarhus Universitets Hospital, Nørtrebrogade 44, bygning 3A, Aarhus C. Titlen på projektet er "Aspects of ketone body metabolism; studies in type 1 diabetes patients and healthy subjects". Yderligere oplysninger: Ph.d.-studerende Mads Svart, e-mail:mvsv@clin.au.dk.

Bedømmelsesudvalg: påfør de tre medlemmer af udvalget med navn, titel og arbejdssted

Jørgen Jensen

Professor, Msc, PhD

Norwegian School of Sport Sciences (NIH), Department of Physical Performances, Biochemistry of exercise

Oslo, Norway

Kurt Højlund

Professor, MD, DMSc

Department of Endocrinology

Odense University Hospital

Odense, Denmark

Chairman of the assessment committee

Claus Højbjerg Gravholt

Professor, MD, DMSc

Department of Internal Medicine & Endocrinology (MEA)

Department of Molecular Medicine (MOMA)

Aarhus University Hospital

Aarhus, Denmark

Press release (English)

Headline

Ketone bodies have been regarded as metabolism's ugly duckling for decades. Recent years more attention has been drawn towards beneficial effects of these ketone bodies in diseased people. We have investigated case reports of atypical presentations of ketoacidosis, established a human model of ketoacidosis to study whole body metabolism during early phases of ketoacidosis and intracellular signalling in adipose tissue and the associated insulin resistance in skeletal muscle in patients with type 1 diabetes and ketoacidosis. Further we have estimated the effects of acute hyperketonaemia on brain glucose metabolism and blood flow during resting conditions. The project was carried out by Mads Svart, who is defending his dissertation on 01/03.

The defence is public and takes place on 01/03 at 14 in M-aud, Aarhus University/Aarhus Universitets Hospital, Nørtrebrogade 44, bygning 3A, Aarhus C. The title of the project is Aspects of ketone body metabolism; studies in type 1 diabetes patients and healthy subjects. For more information, please contact PhD student Mads Svart, email: msvsv@clin.au.dk.

Assessment committee: name, title and place of employment of the three members of the committee

Jørgen Jensen
Professor, Msc, PhD
Norwegian School of Sport Sciences (NIH), Department of Physical Performances, Biochemistry of exercise
Oslo, Norway

Kurt Højlund
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