

## Press release

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### Basic information

Name: Kasper Adelborg      Email: [kade@clin.au.dk](mailto:kade@clin.au.dk) Phone: +4520341724

Department of: Clinical Medicine

Main supervisor: Henrik Toft Sørensen

Title of dissertation: Neurological and psychiatric comorbidity in patients with heart failure – Risk and prognosis

Date for defence: 07/09/2017 at (time of day): 10:00 Place: Department of Clinical Epidemiology, Olof Palmes Allé 43-45, 8200 Aarhus N

Press release (Danish)

Neurologisk og psykiatrisk komorbiditet hos patienter med hjertesvigt – Risiko og prognose

Hjertesvigt er en klinisk tilstand med symptomer og tegn på nedsat hjertepumpefunktion. Prævalensen anslås til 1%-2%, og prognosen er dårlig med en 5-års dødelighed på omkring 50%. Formålet med denne afhandling var at undersøge den positive prædiktive værdi af en række kardiovaskulære udskrivningsdiagnoser herunder hjertesvigt, samt kardiovaskulære undersøgelser, procedurer, og kirurgiske indgreb i Landspatientregistret. Derudover blev den prognostiske betydning af depression for dødeligheden hos patienter med hjertesvigt undersøgt, og vi undersøgte sammenhængen mellem hjertesvigt og udviklingen af demens og apopleksi.

Resultaterne er sammenfattet i et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Kasper Adelborg, der forsvare det d. 07/09

Forsvaret af ph.d.-projektet er offentligt og finder sted den 07/09 kl. 10 i auditoriet på Klinisk Epidemiologisk Afdeling, Aarhus Universitetshospital, Olof Palmes Allé 43-45, 8200 Aarhus N. Titlen på projektet er "Neurological and psychiatric comorbidity in patients with heart failure – Risk and prognosis". Yderligere oplysninger: Ph.d.-studerende Kasper Adelborg, e-mail: [kade@clin.au.dk](mailto:kade@clin.au.dk), tlf. 20341724.

Bedømmelsesudvalg:

Hans Eiskjær, Professor, MD, PhD, DMSc  
Department of Cardiology Aarhus University Hospital, Skejby, Denmark

Irwin Nazareth, Professor, PhD  
University College London, United Kingdom

Torben Bjerregaard Larsen, Associate professor, MD, PhD  
Aalborg Thrombosis Research Unit, Department of Clinical Medicine, Faculty of Health, Aalborg University, Aalborg, Denmark

Press release (English)

## Neurological and psychiatric comorbidity in patients with heart failure – Risk and prognosis

Heart failure is a complex clinical syndrome and one of the leading causes of morbidity and mortality with a prevalence of 1%–2% of the adult population. The prognosis is poor with a 5-year mortality rate of 50%. This thesis explored the positive predictive value of a range of cardiovascular diagnoses including heart failure and cardiac interventions recorded in the Danish National Patient Registry. In addition, the thesis provides new insights into the impact of depression on mortality in heart failure patients with reduced and preserved left ventricular ejection fraction. Finally, the association between heart failure and subsequent short-term and long-term risks of dementia, ischemic and hemorrhagic stroke were studied.

The project was carried out by Kasper Adelborg, who is defending his dissertation on 07/09.

The defence is public and takes place on 07/09 at 10:00 in the auditorium, Department of Clinical Epidemiology, Olof Palmes Allé 43-45, 8200 Aarhus N. The title of the project is "Neurological and psychiatric comorbidity in patients with heart failure – Risk and prognosis". For more information, please contact PhD student Kasper Adelborg, email: kade@clin.au.dk, Phone +45 20341724.

Assessment committee:

Hans Eiskjær, Professor, MD, PhD, DMSc  
Department of Cardiology Aarhus University Hospital, Skejby, Denmark

Irwin Nazareth, Professor, PhD  
University College London, United Kingdom

Torben Bjerregaard Larsen, Associate professor, MD, PhD  
Aalborg Thrombosis Research Unit, Department of Clinical Medicine, Faculty of Health, Aalborg University, Aalborg, Denmark

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