

Press release

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Basic information

Name: Denise Happ Email: dhapp@clin.au.dk Phone:

Department of: Clinical Medicine

Main supervisor: Gregers Wegener

Title of dissertation: Experimental investigations of depression and stroke as comorbidities

Date for defence: 20/03/2020 at (time of day): 14:00 Place: Mødelokale 2, Studenterhusfonden, Frederik Nielsens Vej 2-4, 8000 Aarhus C.

Press release (Danish)

Eksperimentelle undersøgelser af komorbiditet mellem depression og slagtilfælde

Apopleksi (slagtilfælde) og depression er to alvorligt invaliderende lidelser, der påvirker millioner af mennesker på verdensplan. Tilstedeværelse af begge lidelser samtidig associeres med en forværret nedsættelse af kroppens normale funktioner efter et slagtilfælde. For bedre at identificere de biologiske mekanismer, der kan forbinde apopleksi og depression med hinanden, samt for at udvikle bedre metoder til forebyggelse eller behandling, er gode dyremodeller nødvendige. Dette belyses i et nyt ph.d.-projekt fra Aarhus Universitet, Health.

I ph.d.-projektet udførtes et systematisk review over allerede eksisterende dyremodeller af post-apoplektisk depression. I yderligere prækliniske eksperimentelle studier karakteriseredes nye potentielle dyremodeller af præ-apoplektisk depression og post-apoplektisk depression. Samlet set giver eksperimenterne og den systematiske gennemgang nye indsigter i den eksperimentelle modellering af komorbid apopleksi og depression, men fremhæver også vanskeligheden ved at etablere pålidelige og passende dyremodeller. Projektet er gennemført af Denise Happ, der forsvarede det d. 20/03/20.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 20/03/20 kl. 14:00 i Mødelokale 2, Studenterhusfonden, Frederik Nielsens Vej 2-4, 8000 Aarhus C. Titlen på projektet er "Eksperimentelle undersøgelser af komorbiditet mellem depression og slagtilfælde". Yderligere oplysninger: Ph.d.-studerende Denise Happ, e-mail: dhapp@clin.au.dk.

Bedømmelsesudvalg:

Associate Professor Rúbia Weffort de Oliveira Departamento de Farmacologia e Terapêutica, Universidade Estadual de Maringá, Brazil

Professor Fred Colbourne Faculty of Science, Intracerebral Hemorrhagic Stroke Laboratory, University of Alberta, Canada

Associate Professor Charlotte Brandt Sørensen (chair) Department of Clinical Medicine - The Department of Cardiological Medicine B, Aarhus University

Press release (English)

Experimental investigations of depression and stroke as comorbidities

Stroke and depression are two debilitating diseases affecting millions of people worldwide. If depression co-occurs with stroke, it can worsen functional outcomes following stroke. Appropriate

animal models are needed to better understand the mechanisms linking stroke and depression and to identify preventative and therapeutic strategies.

In this PhD project, we performed a systematic review to provide a broad overview of animal models used to study post-stroke depression. In the additional experimental studies, we aimed to characterize new potential animal models of pre-stroke depression and post-stroke depression. Overall, our experiments and the systematic review provide new insights into the experimental modeling of comorbid stroke and depression, but also highlight the difficulty of establishing reliable and appropriate animal models. The project was carried out by Denise Happ, who is defending her dissertation on 20/03/20.

The defence is public and takes place on 20/03/20 at 14:00 in Mødelokale 2, Studenterhusfonden, Frederik Nielsens Vej 2-4, 8000 Aarhus C. The title of the project is "Experimental investigations of depression and stroke as comorbidities. For more information, please contact PhD student Denise Happ, email: dhapp@clin.au.dk.

Assessment committee:

Associate Professor Rúbia Weffort de Oliveira Departamento de Farmacologia e Terapêutica, Universidade Estadual de Maringá, Brazil

Professor Fred Colbourne Faculty of Science, Intracerebral Hemorrhagic Stroke Laboratory, University of Alberta, Canada

Associate Professor Charlotte Brandt Sørensen (chair) Department of Clinical Medicine - The Department of Cardiological Medicine B, Aarhus University

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