Press release

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Basic information

Name: Mikkel Giehm-Reese Email: mikkelgr@clin.au.dk Phone: 21724237

Department of: Clinical Medicine

Main supervisor: Jens Cosedis Nielsen

Title of dissertation: Catheter ablation for atrialflutter - short and long-term outcomes

Date for defence: 31.01.2020 at (time of day): 14.00 Place: Hjertesygdomme konferencelokale, Aarhus universitetshospital Skejby, Palle Juul Jensens Boulevard 99 8200 Aarhus N.

Press release (Danish)

Forsvar af ph.d.-projektet "Kateterbaseret ablation af forkammerflagren - kort og langsigtede resultater".

"Kateterbaseret ablation af forkammerflagren - kort og langsigtede resultater" er et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af læge Mikkel Giehm-Reese, der forsvarer det d. 31. Januar 2020

Forkammerflagren er en rytmeforstyrrelse i hjertet, der gør at pulsen kan blive meget høj. Symptomerne kan være hjertebanken, åndenød, træthed, svimmelhed eller besvimelse. Hvis ubehandlet kan det føre til blodpropper i hjernen eller hjertesvigt. Forkammerflagren ses hyppigst hos ældre personer. Forkammerflagren er en af de hyppigst forekommende hjerterytmeforstyrrelser i Danmark. Behandlinen kan enten være medicinsk, eller ablations behandling hvor man varmer et lille område i det højre forkammer og dermed forhindrer den patologiske impulsdannelse der ligger til grund for hjerterytmeforstyrrelsen. Det er en behandling der har en god successrate, men det er muligt at forbedre behandlingen. Derudover er særligt er viden om resultaterne på lang sigt begrænset. Viden vedrørende succesraten er varmebehanling for venstresidig forkammerflagren er meget sparsom.

Ph.d.'en indeholder tre studier med formålene:

1. At undersøge om brug af en ny type kateter kan øge succesraten ved varmebehandling.

2. At beskrive successraten over lang tid ift hvor mange der får tilbagefald samt hvor mange der udvikler forkammerflimren.

3. At beskrive successraten efter varmebehandling for venstresidig forkammerflagren ift effekt på symtomer og hvor mange der får tilbagefald.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 31. Januar kl. 14.00 i Konference lokalet hjertesygdomme, Aarhus Universitetshospital, Palle Juul Jensens Boulevard 99, 8200 Aarhus N
Titlen på projektet er "Kateterbaseret ablation af forkammerflagren - kort og langsigtede resultater".
Yderligere oplysninger: Ph.d.-studerende Mikkel giehm-Reese, e-mail: mikkelgr@clin.au.dk, tlf. 21 72 42 37.

Bedømmelsesudvalg:

Henning Mølgaard, professor, MD, DMSc (chairman and moderator of the defence)
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Press release (English)

Defence of the ph.d.-project "Catheter ablation for atrialflutter - short and long-term outcomes"

"Catheter ablation for atrialflutter - short and long-term outcomes" is a new ph.d.-project from Aarhus University, Health. The project was carried out by physician Mikkel Giehm-Reese, who is defending his dissertation on 31st of January 2020.

Atrial flutter is a cardiac arrhythmia resulting in a high pulse. Symptoms are, palpitations, dyspnea, fatique, dizziness and syncope. Untreated atrial flutter can cause a stroke or lead to congestive heart failure. Atrial flutter is more common in the elderly. It is one of the moost common tachyarrhythmias in Denmark. It can be treated either by medication or through catheter ablation. When performing catheter ablation, a small area in the right atrium is heated and thereby preventing conduction of the pathological impulses causing the arrhythmia. It is a treatment with a high successrate. However, there is room for improvement. Furthermore, knowledge regarding long-term outcome is limited and especially knowledge regarding outcome following catheter ablation for left-sided atrial flutter.

The pd.d. consists of three studies with the following aims:

1. Investigating whether a new type of catheter is able to increase successrate following catheter ablation for atrial flutter.

2. Describe long-term outcome following first-time ablation for atrial flutterwith regards to recurrent atrial flutter and how many develop atrial fibrillation.

3. Describe outcome following catheter ablation for left-sided atrial flutter regarding recurrent arrhythmia and effect on symptoms.

The defence is public and takes place on 31st of January at 14.00 in the conference room at Department of Cardiology, Aarhus University Hospital, Palle Juul Jensens Boulevard 99, 8200 Aarhus N. The title of the project is "Catheter ablation for atrialflutter - short and long-term outcomes". For more information, please contact PhD student Mikkel Giehm-Reese, email: mikkelgr@clin.au.dk, Phone +45 21 72 42 37

Assessment committee:

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