

Press release

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Basic information

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Department of: Clinical Medicine

Main supervisor: Bo Løfgren, Professor, overlæge, ph.d., FESC, FAHA

Title of dissertation: Improving the efficacy and safety of direct current cardioversion

Date for defence: 09-04-2021 at (time of day): 1300 Place: Online via zoom / Randers Regional Hospital (invited persons only).

Press release (Danish)

Ph.d. forsvar: Hjertestød til behandling af forkammerflimren

Behandling med elektrisk stød til personer med forkammerflimren er blevet undersøgt i et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af ph.d. studerende Anders Sjørsløv Schmidt, der forsvare det d. 9. april 2021.

Forkammerflimren er den mest almindelige hjerterytmeforstyrrelse. Gennem livet vil den ramme 1 ud af 3 mennesker. Forkammerflimren ses ofte sammen med andre livstilsygdomme som højt blodtryk, og den øger risikoen for blodprop i hjerte og hjerne. Hjertestød er en hyppigt anvendt behandling til forkammerflimren. Ved hjertestød sendes en elektrisk strøm igennem hjertet via elektroder placeret udenpå personens brystkasse. Ph.d.-projektet bestod af tre kliniske lodtrækningsstudier. De havde til formål at undersøge tre uafklarede spørgsmål: Hvilket apparatur, hvilke energi-indstillinger og hvilken elektrode placering på brystkassen giver det bedste resultat? Studierne i afhandlingen har tilvejebragt vigtig viden, som er direkte anvendelig for sygeplejersker og læger, der til dagligt udfører hjertestødsbehandling.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 9. april 2021 kl. 13.00 (online via Zoom, kontakt Anders Sjørsløv Schmidt for at deltage). Titlen på projektet er "Improving the efficacy and safety of direct current cardioversion". Yderligere oplysninger: Ph.d.-studerende Anders Sjørsløv Schmidt, e-mail: as@clin.au.dk, tlf. +45 2124 3181.

Bedømmelsesudvalg:

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Press release (English)

PhD Defence: Cardioversion of atrial fibrillation

Treatment with direct-current cardioversion of atrial fibrillation has been investigated in this PhD project, which was carried out by ph.d. student Anders Sjørsløv Schmidt, MD, who is defending his dissertation on April, 9, 2021.

Atrial fibrillation is the most common cardiac arrhythmia. The lifetime risk of atrial fibrillation is estimated to be 1 in 3 individuals. Atrial fibrillation is associated with other common lifestyle diseases such as hypertension and increases the risk of myocardial infarction and stroke. Direct-current cardioversion is a commonly performed procedure in the management of atrial fibrillation. This PhD project consisted of three randomized clinical trials. The aim of the trials was to investigate three clinical questions: Which devices, energy settings and electrode positions are resulting in the most successful outcome after cardioversion? The trials have contributed with important new evidence, which is directly useful for nurses and doctors as to guide clinical practise.

The defence is public and takes place on April, 9, 2021, at 1 pm CET online via Zoom. For participation please contact Anders Sjørsløv Schmidt. The title of the project is "Improving the efficacy and safety of direct-current cardioversion". For more information, please contact PhD student Anders Sjørsløv Schmidt, email: as@clin.au.dk, Phone +45 2124 3181.

Assessment committee:

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