

Press release

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Basic information

Name: Susanne Bendesgaard Pedersen Email: susanne.bendesgaard@clin.au.dk Phone: 78426663

Department of: Clinical Medicine

Main supervisor: Professor Jens Cosedis Nielsen, MD, PhD, DMSc
Department of Cardiology, Aarhus University Hospital

Title of dissertation: "Survival of implantable cardioverter-defibrillator recipients in Denmark and risk of cancer and venous thromboembolism after implantation"

Date for defence: November 22 at (time of day): 2.30 PM Place: Auditorium B, Entrance G6, Aarhus University Hospital, Palle Juul-Jensens Boulevard 99, 8200 Aarhus N

Press release (Danish)

Ny viden om overlevelsen af patienter med implanterbare hjertestartere

Et nyt ph.d-projekt fra Aarhus Universitet, Health, viser at patienter behandlet med implanterbare hjertestartere (ICD-patienter) generelt har en høj overlevelse på 76% efter 5 år og 54% efter 10 år. Projektet er gennemført af læge Susanne Bendesgaard Pedersen, som forsvare sin afhandling d. 22. november 2017.

Implanterbare hjertestartere (ICD-behandling) bruges til at forebygge pludselig hjertedød hos patienter i høj risiko for livstruende hjerterytmeforstyrrelser. Hvert år implanteres tusindvis af hjertestartere på verdensplan og ny viden om patienternes overlevelse og komplikationer til behandlingen er af stor betydning.

Susanne Bendesgaard Pedersens ph.d.-projekt havde til formål at undersøge brugen af ICD-behandling i Danmark og patienternes langtidsoverlevelse, samt risikoen for sjældne og hidtil ukendte komplikationer.

I projektet blev landsdækkende registre brugt til at identificere alle ICD-behandlede patienter i Danmark i perioden 2000-2012 og ved hjælp af statistiske analyser blev patienternes overlevelse, samt risiko for udvikling af kræft og blodpropper beregnet.

Projektet har identificeret hidtil ukendte faktorer af betydning for overlevelsen efter ICD-behandling og bibragt ny viden om risikoen for udvikling af kræft og blodpropper hos ICD-patienter.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 22/11 kl. 14.30 i Auditorium B, Indgang G6, Aarhus Universitetshospital, Palle Juul-Jensens Boulevard 99, 8200 Aarhus N. Titlen på projektet er "Survival of implantable cardioverter-defibrillator recipients in Denmark and risk of cancer and venous thromboembolism after implantation". Yderligere oplysninger: ph.d.-studerende Susanne Bendesgaard Pedersen, e-mail: susanne.bendesgaard@clin.au.dk, tlf. 78426663.

Bedømmelsesudvalg:

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Press release (English)

New knowledge about the survival of patients receiving implantable cardioverter-defibrillators

A new PhD project from Aarhus University, Health, shows that patients treated with implantable cardioverter-defibrillators generally have a high survival of 76% at 5 years and 54% at 10 years. The project was carried out by Susanne Bendesgaard Pedersen, MD, who is defending her dissertation on November 22.

Implantable cardioverter-defibrillators are used to prevent sudden cardiac death in patients at high risk of life-threatening cardiac arrhythmias. Thousands of cardioverter-defibrillators are implanted worldwide each year and new knowledge about the survival of treated patients and complications to implantation are very important.

The purpose of Susanne Bendesgaard Pedersen's PhD project was to examine the use of implantable cardioverter-defibrillators in Denmark and the long-term survival following implantation as well as the risk of rare and unrecognized complications.

Nationwide registries were used to identify all patients receiving implantable cardioverter-defibrillators in Denmark during 2000-2012, and the survival of patients as well as their risks for development of cancer and venous thrombosis were computed using statistical analysis.

The project has identified previously unknown factors associated with the survival following cardioverter-defibrillator implantation and generated new knowledge about the risks for development of cancer and venous thrombosis among patients receiving implantable cardioverter-defibrillators.

The PhD defence is public and takes place on November 22 at 2.30 PM in Auditorium B, Entrance G6, Aarhus University Hospital, Palle Juul-Jensens Boulevard 99, 8200 Aarhus N. The title of the project is "Survival of implantable cardioverter-defibrillator recipients in Denmark and risk of cancer and venous thromboembolism after implantation". For more information, please contact PhD student Susanne Bendesgaard Pedersen, email: susanne.bendesgaard@clin.au.dk, Phone +45 7842 6663.

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