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Prof. dr. Sonia Van Dooren, Promotor

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PhD in Medical Sciences
2021-2022

INVITATION to the Public defence of

Esther SCHEIRLYNCK

To obtain the academic degree of

'DOCTOR OF MEDICAL SCIENCES'

**Structural changes in Brugada syndrome on
echocardiography**

The defence will take place on

Thursday, 25 November 2021 at 6 p.m.

In Auditorium Piet Brouwer

Faculty of Medicine and Pharmacy, Laarbeeklaan 103, 1090 Brussel

ADMITTANCE: Due to Covid restrictions, please contact the PhD candidate if you want to attend the public defence in person.

and will be organised online
via Zoom meeting, accessible through the following link:

https://gf.vub.ac.be/redirects/PhD_defense_Esther_Scheirlynck.php

Summary of the dissertation

Sudden cardiac death, especially in young people, is a tragic event. Better understanding potential underlying causes, such as Brugada syndrome, is therefore of crucial importance. In view of this medical challenge, the thesis shed light on the structural and functional anomalies in the hearts of Brugada syndrome patients. The aim was to identify these anomalies, compare them to features of arrhythmogenic cardiomyopathy and to define the role of echocardiography in follow-up and prognosis of Brugada syndrome patients. Herewith we expended the knowledge on the phenotype of Brugada syndrome patients and highlighted the role of cardiac imaging.

Curriculum Vitae

Esther Scheirlynck was born on the 29th of January 1990 in Kortrijk, Belgium. She studied medicine at the Vrije Universiteit Brussels and graduated with highest distinction in 2015. After one year of clinical internal medicine training in CHU Brugmann, Esther started a PhD at the cardiology department of UZ Brussel, with supervisors Prof. Dr. Bernard Cosyns, Prof. Dr. Steven Droogmans and Prof. Sonia Van Dooren. Being awarded an ESC Research grant, she spent the third year of her PhD trajectory in the Center for Cardiological Innovation (Oslo, Norway) under the supervision of Prof. Dr. Kristina Haugaa and Prof. Dr. Thor Edvardsen, with whom a very fruitful collaboration was established. This PhD is part of Esther's goal to become an expert in genetic cardiac diseases.