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PhD in Medical Sciences
2021-2022

INVITATION to the Public defence of

Panagiotis Flamée

To obtain the academic degree of '**DOCTOR OF MEDICAL SCIENCES**'

**Anaesthetic Management of Patients with Brugada Syndrome
A Comprehensive Approach**

The defence will take place on **Friday, 24 September 2021 at 4 p.m.**

and will be organised online

via Zoom meeting, accessible through the following link:

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

and in Auditorium Vanden Driessche
Faculty of Medicine and Pharmacy, Laarbeeklaan 103, 1090 Brussel

ADMITTANCE to the auditorium will only be granted upon presentation of the personal invitation from the PhD candidate.

Summary of the dissertation

Brugada Syndrome is an inherited arrhythmogenic channelopathy associated with increased risk of sudden cardiac death. Controversy exists regarding the safe administration of general and locoregional anaesthesia in patients with Brugada syndrome.

This dissertation aimed to investigate the clinical and electrocardiographic effects of general and locoregional anaesthesia in patients with the diagnosis of Brugada syndrome.

In the first part, two extensive retrospective studies of more than three hundred Brugada patients who received general anaesthesia and one prospective, randomized controlled trial are presented for this purpose. The main focus was on the alleged increased arrhythmogenic risk in the Brugada patient during propofol based anaesthetic procedures. Further, the administration of locoregional anaesthesia in such patients was equally investigated by means of another retrospective study, over a period of 20 years.

The intention of this dissertation was to seek and provide evidence for decision-making assistance to physicians treating patients with Brugada syndrome.

Finally, the purpose of this dissertation was to remove barriers from access to safe and modern anaesthesia —as we currently know it— and establish a comprehensive strategy in order to provide safe anaesthetic management also for our patients with Brugada syndrome. This dissertation provides also the future research perspectives in this field.

Curriculum Vitae

Dr. Panagiotis Flamée studied medicine in Belgium after graduating from high school in Athens. He graduated from the Vrije Universiteit of Brussels (VUB) as a medical doctor in 2005. After completing his training of Anaesthesia and Resuscitation, he became a Board Certified Anaesthesiologist in 2010. During his formation he enjoyed one year of training in the Erasmus Medical Centre, in Rotterdam, the Netherlands, with a particular focus in cardiothoracic and locoregional anaesthesia.

Dr. Flamée is a consultant anaesthesiologist and clinical tutor at the department of Anaesthesiology and Perioperative Medicine of the UZB. He is an active member of the Central Medical Ethics Committee (MEC) of the UZB – VUB.

Dr. Flamée has been particularly interested in research concerning anaesthesia in patients burdened with Brugada syndrome. He is the leading investigator of research in the field of anaesthesia in patients with Brugada syndrome in the UZB anaesthesia department for more than ten years. This dissertation is the result of the research conducted throughout this period.