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Heart Rhythm Center at Monzino Cardiac Center
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Prof. Dr. Andrea Sarkozy

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Prof. Dr. Kristin Jochmans

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Prof. Dr. Gian-Battista Chierchia, Promoter

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Prof. Dr. Carlo de Asmundis, Promoter

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Prof. Em. Dr. Pedro Brugada, Promoter

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PhD in Medical Sciences
2017-2018

INVITATION to the Public defence of

Hugo-Enrique Coutiño

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

Atrial Fibrillation Ablation by means of Second Generation Cryoballoon Ablation Clinical Efficacy, Electrophysiological Strategies and Outcomes.

Wednesday 12 September 2018

Room B017, 17:00

Faculty of Medicine and Pharmacy, Laarbeeklaan 103, 1090 Brussel

How to reach the campus Jette:

<http://www.vub.ac.be/english/infoabout/campuses>

Summary of the dissertation

The cryoballoon technology is a safe and highly effective electrophysiological tool in achieving acute pulmonary vein isolation and represents a competitive alternative to radiofrequency energy for the treatment of AF. The introduction of a cryoballoon to isolate the pulmonary veins in patients with paroxysmal AF was considered a breakthrough technology because this would theoretically allow pulmonary vein isolation with a single application. Over the time the evolution of CB technology brought significant improvements in terms of efficacy and safety profile.

A promising future rises in the cryoablation research area and nowadays stands as a powerful electrophysiological tool for the treatment of AF. Cryoablation as first-line treatment strategy for AF and the efficacy of this technique for the treatment of PersAF or longstanding persistent AF are fascinating topics which are profoundly interesting for the world wide electrophysiology community and should be further investigated

Curriculum Vitae

1. - PERSONAL INFORMATION

NAME: Hugo-Enrique Coutiño Moreno

AGE: 34 years

DATE OF BIRTH: December 12 1982

PLACE OF BIRTH: San Cristóbal de las Casas, Chiapas, México

NACIONALITY: Mexican

2. - MEDICAL DEGREE

Autonomous University of Chiapas - Tuxtla Gutiérrez, Chiapas, México

General Medicine Certification 2007

3. - POSTGRADUATE TRAINING

Internal Medicine Residency

General Hospital "Rafael Pascacio Gamboa", Tuxtla Gutiérrez, Chiapas, México

Cardiology Residency

American British Cowdray Medical Center, Mexico City, Mexico

4. - PRESENT POSITION OR ACADEMIC RANK

Electrophysiology and Cardiac Pacing fellowship

Heart Rhythm Management Centre, Universitait Ziekenhuis Brussel, Brussels, Belgium