THORAX CENTRUM TWENTE

Boston Scientific

Analyzing electrograms from RA and LA structures:

relation with anatomy, embryology and arrhythmias

January 24-25th, 2020

MST Enschede, The Netherlands

EDUCARE

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Dear Colleague,

This course provides a basic understanding of the relation between anatomy and extracellular electrograms as well as insight in the consistency of arrhythmias with pathology and embryology. Main characteristics of electrograms are presented in relation with anatomic structures and thereafter discussed with the audience in question and answer sessions to provide a thorough understanding of the relation between electrogram morphology and atrial structure. Basic knowledge of the electrogram, its relation to anatomy and the embryological origin of the anatomical structures is crucial for understanding arrhythmias and arrhythmia mechanisms and therefore for optimizing patient treatment.

The course will provide you with the necessary tools to analyze the signals from the heart in the right way and understand the relation with underlying structure for optimal treatment of your patients.

We also consider it essential that you are informed about the developmental aspects of cardiac structures and genetic backgrounds with regard to cardiac arrhythmias. This knowledge too will help you to improve treatment of cardiac arrhythmias.

Various disciplines have joined their knowledge to set up this course. This not only involves basic scientists and clinical investigators but also those who make knowledge accessible for a large group of electrophysiologists. We therefore thank Boston Scientific for their organizational and financial support.

Faculty:
Prof. dr.Jacques de Bakker, AMC Amsterdam
Prof. dr. Natasja de Groot, Erasmus MC Rotterdam
Dr. Bas Boukens, AMC Amsterdam
Dr. Sander Verheule, Maastricht UMC
Dr. Karen McCarthy, Royal Brompton Hospital London & NHLI, Imperial College London
Dr. Pascal van Dessel, MST Enschede
Dr. Jurren van Opstal, MST Enschede

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Purpose of the course
Purpose of the course is to provide the participants with insight in the relation between anatomy, embryology, arrhythmias and electrograms of various structures in the right and left atrium. Final goal is to learn appropriate techniques of electrogram analysis for optimal treatment of atrial arrhythmias .

Course location:
Medisch Spectrum Twente hospital, Enschede, The Netherlands

Date:
January 24-25th , 2020

Accreditation & registration:
Accreditation has been requested from the Dutch Society of Cardiology (NVVC)

To register:
Contact your local Boston Scientific representative or send an email to
robert.huisman@bsci.com

Participants who will most benefit:
- Experienced EP's with major interest in Cardiac Heart Rhythm Management
- EP Fellows

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Day 1

9.00 – 9.50	Registration and coffee	
9.50 – 10.00	Introduction	Pascal van Dessel
10.00 – 10.45	**Basic concepts of atrial electrograms**	Jacques de Bakker
10.45 – 11.30	**Anatomy of the atria**	Karen McCarthy
11.30 – 12.00	Coffee break	
12.00 – 12.45	**Embryology of the atria**	Bas Boukens
12.45 – 14.00	Lunch	
14.00 – 14.45	**Physiologic changes and mechanisms during atrial fibrillation**	Sander Verheule
14.45 – 15.30	**Endocardial and epicardial mapping of AF**	Natasja de Groot
15.30 – 16.00	Coffee break	
16.00 – 16.45	**Right sided macro-reentry tachycardias: mapping and therapeutic approach**	Jurren van Opstal
16.45 – 17.30	**Left sided macro-reentry tachycardias: mapping and therapeutic approach**	Pascal van Dessel
19.00	Group diner at hotel	

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Day 2

8.00 – 8.30	Breakfast at Hotel	
8.30 – 9.00	Registration and coffee	
9.00 – 9.45	**Q&A atrial electrograms**	Jacques de Bakker
9:45 – 10.30	**Interactive cases**	Pascal van Dessel
10.30 – 11.00	Coffee break	
11.00 – 11.45	**Q&A atrial electrograms**	Jacques de Bakker
11.45 – 12.30	**Interactive cases**	Jurren van Opstal
12.30 – 13.30	Lunch	