

# EUROPEAN HEART HOUSE

## Advanced Invasive Cardiac Electrophysiology

Thursday 13 February – Saturday 15 February, 2014



**Course Director:** M. Antz (DE)

**Co-Directors:** H. Burri (CH), M. Duytschaever (BE)

**Faculty:** C. De Chillou (FR), H. Heidbuchel (BE), P. Lambiase (UK), C. Piorkowski (DE), L. Saghy (HU), D. Shah (CH), K. Zeppenfeld (NL)

## Scientific Programme

### Thursday 13<sup>th</sup> February

- 09:00-09:10** Welcome and information about the course. M. Antz
- 09:10-10:00** How to perform transeptal catheterization in difficult anatomy: tips and tricks. – L. Saghy
- 10:00-10:30** Radiation exposure: how to measure it and how to reduce it. – H. Heidbuchel
- 10:30-11:00** **Coffee Break**
- 11:00-12:00** PV ablation for atrial fibrillation. Patient selection, anticoagulation and electrogram analysis. – M. Antz
- 12:00-12:45** Atrial fibrillation ablation with single shot techniques. – M. Duytschaever
- 12:45-13:45** **Lunch**
- 13:45 – 14:45** use of electro-anatomical mapping and imaging techniques for atrial fibrillation ablation. H. Heidbuchel
- 14:45 – 15:30** Ablation of macro reentrant atrial tachycardia and atypical flutter.– D. Shah
- 15:30-16:00** **Coffee break**
- 16:00 – 16:10** The EHRA education framework. – H. Burri
- 16:10 – 17:30** The EHRA certification exam: Presentation and structure. Sample tracings and questions. – K. Zeppenfeld, L. Saghy
- 20:00-22:00** **Group Dinner**

### Friday 14<sup>th</sup> February

- 9:00 – 10:30** Diagnostic manoeuvres and ablation techniques for VT in patients with structural heart disease. K. Zeppenfeld
- 10:30-11:00** **Coffee Break**
- 11:00-11:45** Idiopathic VT from the outflow tracts and the fascicles. – C. De Chillou
- 11:45-12:30** Robotic systems for arrhythmia ablation. M. Duytschaever
- 12:30-13:30** **Lunch**

### Friday 14<sup>th</sup> February

- 13:30-14:15** Role of MRI and CT in Substrate ablation for VT. – C. De Chillou
- 14:15-14:45** How to ablate VF: Case examples – D. Shah
- 14:45-15:15** **Coffee break**
- 15:15-16:30** Practical implementation of radioprotection for EP applications.  
4x15mn:GE Healthcare  
Philips  
Siemens  
St Jude Medical
- 16:30-17:30** Mock exam: tracings and discussion - M. Antz

### Free evening

### Saturday 15<sup>th</sup> February

- 9:00 – 9:45** Ablation of atrial ectopic arrhythmias: importance of the ECG, mapping approaches, and anatomical information. – P. Lambiase
- 9:45-10:45** Mapping systems: How they work and how to get the most out of them.  
4x15mn: Bard  
Biosense Webster  
St Jude Medical  
GE Healthcare
- 10:45-11:15** **Coffee Break**
- 11:15-11:45** Management of complications of ablation: coping with nightmares. – C. Piorkowski
- 11:45-12:30** Complex decisions in genetic arrhythmias and channelopathies: from genetic testing to devices. P. Lambiase
- 12:30 – 13:15** **Lunch**
- 13:15-15:00** Mock exam of intracardiac tracings. C. Piorkowski
- 15:00** Summary and Feed back – M. Antz, H. Burri, M. Duytschaever

### Target Audience

Physicians who already have initial experience in Invasive Electrophysiology and catheter ablation. Established Electrophysiologists may experience a thorough review of state of the art medicine.

### Objectives

The course is designed to help fellows in training to prepare the EHRA Certification Exam.