What EHRA has to offer for fellows: courses

Prof. Merino,
EHRA Education Chair
Dr. Maxim Didenko,
EHRA Education committee member
Are you familiar with the EHRA courses and webinars?

A. Yes

B. No

www.escardio.org/EHRA
Do you think they are useful?

A. Yes to both
B. Yes to courses, No to webinars
C. No to courses, Yes to webinars
D. No to both
EHRA intramural courses

www.escardio.org/EHRA
2016 EHRA courses

COURSES

- **11-13 February 2016**  
  Advanced EP with focus on AF ablation course  
  *Lisbon - Portugal*  
  Course director: Mattias Duytschaever

- **24-26 March 2016**  
  Cardiac Pacing, ICD and Cardiac Resynchronisation course  
  *Vienna - Austria*  
  Course director: Maurizio Lunati

- **End of April 2016**  
  Interventional Electrophysiology and Examination Preparatory course  
  *Madrid - Spain*  
  Course director: José Luis Merino

- **27-28 May 2016**  
  Lead Management and Extraction course  
  *Budapest - Hungary*  
  Course director: Rao Archana

- **Early July 2016**  
  Pediatric Electrophysiology course  
  *Hamburg - Germany*  
  Course director: Sabine Ernst

- **13-15 October 2016**  
  Advanced EP with focus on VT ablation course  
  *Copenhagen - Denmark*  
  Course director: Christian de Chillou

[www.escardio.org/EHRA](http://www.escardio.org/EHRA)
Topics

1. Fellows Device CP Track

2. Fellows EP Track
2. Fellows EP Track

27 EP presentation in total
FREE for EHRA member!

Maxim Didenko
Webcast - The diagnostic EP study (Intervals, indications and diagnostic maneuvers like pace mapping and entrainment)


FREE for EHRA member!
EUROPEAN HEART RHYTHM ASSOCIATION
A Registered Branch of the ESC

EDUCATIONAL COURSE ON
Advanced EP with focus on AF ablation
Lisbon, Portugal / 11-13 February, 2016

Course director: Mattias Duytschaever MD
Co-directors: Matthias Antz MD & Pier Lambiase MD

AGENDA

www.escardio.org/EHRA
Advanced EP with focus on AF ablation

• **Date:** February 11-13, 2016  
  **Location:** Lisbon, Portugal

• **Attendance:** 90

• **Target audience:** Physicians who already have basic experience in invasive electrophysiology and catheter ablation.

• Established electrophysiologists may experience a thorough review of state of the art in EP and advanced catheter ablation.

• **Main objectives:** Presentation of advanced ablation techniques and technologies. Special focus on AF; imaging techniques; non-invasive and invasive AF-mapping – multi-point mapping; single shot ablation and point-by-point RF; macro-reentrant tachycardias; cases and complications.

• **Live from the box:** Cryo ablation and RF ablation cases

www.escardio.org/EHRA
Advanced EP with focus on AF ablation

Live from the box

- **Cryo ablation**
  - Video 1: technical setup for Cryo Balloon ablation
  - Video 2: transseptal puncture an placement of Cryo balloon and ablation (right side, left side)
  - Video 3: procedure endpoints and avoiding complications

- **RF ablation Case 1:**
  - Video 1: technical setup for point-by-point RF ablation
  - Video 2: transseptal puncture, chamber geometry, catheter manipulation and ablation (right side, left side)

- **RF ablation Case 2:**
  - Video 1 technical setup for point-by-point RF ablation
  - Video 2: transseptal puncture, chamber geometry, catheter manipulation and ablation (right side, left side)
  - Video 3: short statement on procedure endpoints and avoiding complications for both cases

www.escardio.org/EHRA
Cardiac Pacing, ICD and Cardiac Resynchronization course

- **Date**: March 24-26, 2016  
  **Location**: Vienna, Austria

- **Attendance**: 230

- **Target audience**: Electrophysiologists and Fellows in EP

- **Main objectives**: The content combined theoretical lectures, troubleshooting case presentations and mock exams.

- **Special new features**: wearable defibrillator, leadless pacing, subcutaneous ICDs, ..
Upcoming courses

Thursday 21 - Saturday 23 April 2016 (3 Days)
Interventional Electrophysiology and Examination Preparatory Course
Madrid - Spain
What you need to know to be well prepared for the EHRA examination.

Friday 27 - Saturday 28 May 2016 (2 Days)
Lead management and extraction course
Budapest - Hungary
The main goal is to help participants to gain clinical knowledge in lead management and extraction.

Thursday 30 June - Friday 01 July 2016 (2 Days)
EHRA Paediatric and congenital heart disease electrophysiology course
Hamburg - Germany
Interactive sessions including live demonstration of anatomy.

Thursday 29 September - Saturday 01 October 2016 (3 Days)
EHRA Advanced EP focus on VT ablation
Copenhagen - Denmark
Presentation of advanced mapping and ablation techniques and technologies.

www.escardio.org/EHRA
EUROPEAN HEART RHYTHM ASSOCIATION
A Registered Branch of the ESC

EDUCATIONAL COURSE ON
Interventional Electrophysiology and Examination
Preparatory

Madrid, Spain / 21-23 April, 2016

Course directors: Jose Luis Merino & Fernando Arribas

Preliminary programme

www.escardio.org/EHRA
EHRA Interventional Electrophysiology Course and Examination Preparatory Course (EPC)

- **Date**: April 20-22, 2016
- **Location**: Madrid, Spain

- **Attendance expected**: 100

- **Target audience**: Eps with experience in diagnostic EP and ablations who would like to take the EHRA exam.

- **Main objectives**: Basics and standards in interventional EP; ECG analysis; diagnostic procedures, stimulation techniques, electrogram interpretation; catheter ablation of atrial flutter, AVNRT and WPW; what you need to know to be well prepared for the EHRA examination.

- **EP Fundamental day 1/ Tracings: day 2**

- **Special new features**: EP Exam oriented course, mocked exams, tracings, and....tracings

www.escardio.org/EHRA
Interventional Electrophysiology and Examination Preparatory  21-23 April, 2016

               Adolfo Fontenla

13:30 – 14:30  Basics in the EP laboratory. Tips and tricks about
               Refractoriness, Conduction and Pacing tools (entrainment and pace mapping)
               Fernando Arribas

16:00 – 17:00  Supraventricular tachycardia: Interactive discussion on pooled MCQ - 1
               Chair: Jose L. Merino
               Fernando Arribas and Maxim Didenko

**DAY 2:  FRIDAY 22 APRIL**

08:00 – 09:00  Atrial macroreentrant tachycardia. Tips and tricks for successful problem resolution
               Adolfo Fontenla
Lead Management and extraction course

• **Date**: May 27-28, 2016  
  **Location**: Budapest

• **Attendance expected**: 90

• **Target audience**: physicians and fellows who are performing device implantations and who wish to acquire knowledge in lead management and extraction techniques.

• **Main objectives**: to help participants to gain clinical knowledge in lead management and extraction. Beyond gathering comprehensive scientific information, the programme opens the door to practical discussions regarding the indications, risks, and essential requirements on extraction procedures.
Pediatric & GUCH EP Course

- **Date**: 29 June - 1 July
- **Location**: Hamburg, Germany

- **Attendance expected**: 40/50 pax
- **Target audience**: trained electrophysiologists with experience in diagnostic EP and catheter ablation and special interest in pediatric electrophysiology
- **Main objectives**: exploring and understanding interventional electrophysiology in pediatric patients and patients with grown up congenital heart disease. Mapping and ablation in complex anatomy.
- **Special new features**: special collaboration with ESC WG on GUCH and AEPC

www.escardio.org/EHRA
Advanced EP with focus on VT ablation

- **Date:** 29 September – 1 October
  **Location:** Copenhagen, Denmark

- **Attendance expected:** 100 pax
- **Target audience:** Physicians who already have experience in invasive electrophysiology and catheter ablation. Established electrophysiologists may experience a thorough review of state of the art in EP and advanced catheter ablation with special focus on VT.
- **Main objectives:** Presentation of advanced mapping and ablation techniques and technologies. Special focus on VT; imaging techniques; endo and epicardial access; multi-point mapping; advanced ablation strategies – novel energy sources; cases and complications.
- **Live from the box:** VT mapping and ablation cases

[www.escardio.org/EHRA](http://www.escardio.org/EHRA)
EHRA extramural courses
EUROPEAN HEART RHYTHM ASSOCIATION
A Registered Branch of the ESC

EDUCATIONAL COURSE ON
Cardiac Pacing, ICD and Cardiac Resynchronisation
St-Petersburg, Russia / 10th - 12th September, 2015
With simultaneous translation in Russian

Course director: Prof. Haran Burri
Course co-director: Prof Maxim Didenko

PRELIMINARY AGENDA

www.escardio.org/EHRA
40 participants

www.escardio.org/EHRA

Maxim Didenko
EDUCATIONAL COURSE ON
Basic Electrophysiology
Buenos Aires, Argentina / 20th November, 2015
in Spanish

Course director: Prof. Jose L. Merino

PRELIMINARY AGENDA
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>11:30 - 11:45</td>
<td>Welcome</td>
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<tr>
<td>11:45 - 12:05</td>
<td>Cardiac anatomy for electrophysiologists</td>
<td>Dr. M. Abello</td>
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<tr>
<td>12:05 - 12:25</td>
<td>Intracardiac signals: bipolars and unipolars. Cardiac stimulation</td>
<td>Prof. JL Merino</td>
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<tr>
<td>12:25 - 12:45</td>
<td>Entrainment and pacemapping</td>
<td>Prof. A. Arenal</td>
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<td>12:45 - 14:00</td>
<td>Lunch break</td>
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<tr>
<td>14:00 - 14:20</td>
<td>RF &amp; Cryoablation fundamentals</td>
<td>Dr Joaquin Osca</td>
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<tr>
<td>14:20 - 14:40</td>
<td>Atrial flutter and macroreentry.</td>
<td>Dr Carlos Morillo</td>
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<td>14:40 - 15:00</td>
<td>Supraventricular Tachycardia.</td>
<td>Dr Mauricio Scanavacca</td>
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<td>15:00 - 15:20</td>
<td>Accessory pathway ablation</td>
<td>Dr Claudio Hadid</td>
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<td>15:20 - 15:40</td>
<td>VT ablation</td>
<td>Dr. Luis Aquinaqa</td>
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<td>15:40 - 16:00</td>
<td>Use and misuse of mapping systems</td>
<td>Dr Miquel Valderrabano</td>
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<tr>
<td>16:00 - 16:15</td>
<td>Conclusion and Adjourn</td>
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<tr>
<td>20:30</td>
<td>Group dinner</td>
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**EUROPEAN HEART RHYTHM ASSOCIATION**  
A Registered Branch of the ESC

**EHRA EDUCATIONAL MiniCourse**  
Rhythm: From Diagnosis to Therapy  
Jan 9th, 2016  
Gulf EP LIVE, Dubai, UAE  
Course Director: Haran Burri

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**VT tolerance**

- Ventricular Desynchronization
  - Loss of RV-LV simultaneous contraction
  - Loss of apex-to-base ventricular contraction
- Heart rate
- Structural Heart Disease
  - Ventricular Dysfunction
  - Ischemia
  - Fibrosis -> VF degeneration

[www.escardio.org/EHRA](http://www.escardio.org/EHRA)
<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Welcome by Assoc. Prof. H. Burri</td>
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<tr>
<td>09:10-09:30</td>
<td>Update on Guidelines for pacing and CRT indications by Prof. M. Lunati</td>
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<tr>
<td>09:30-10:00</td>
<td>ECG and devices by Assoc. Prof. H. Burri</td>
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<tr>
<td>10:00-10:20</td>
<td>Ventricular arrhythmias and prevention of sudden cardiac death by Prof. M. Lunati</td>
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<tr>
<td>10:00-10:40</td>
<td>Coffee break</td>
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<tr>
<td>10:40-11:00</td>
<td>Update on new technologies (Leadless pacemaker, Subcutaneous ICD, Interventional and telescoping systems for CRT etc) with prerecorded cases by Prof. Lunati</td>
</tr>
<tr>
<td>11:00-11:30</td>
<td>Device troubleshooting cases: x-ray - echo and holter-device recording by Assoc. Prof. H. Burri</td>
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<tr>
<td>11:30-12:15</td>
<td>Lunch Break</td>
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<tr>
<td>12:15-12:35</td>
<td>ECG and EP diagnosis of supraventricular tachycardia by Prof. M. Antz</td>
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</tbody>
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Extramural EHRA courses

2 types of contracts for collaborative courses:

• BASIC:
  • Course director appointed by EHRA and he/she works with the local hosts to develop the program and select the speakers.
  • The contents are reviewed by the EHRA course director.
  • All costs are covered by the National society (including traveling, accommodation, and speakers fees, if any).
  • The course could conducted in the local language and with some lectures given in English.
  • EHRA fee: 2500 €

• REGULAR:
  • EHRA is in charge of the whole program (develops contents, appoint speakers, etc) in collaboration with the NS.
  • Course is announced and marketed by EHRA (Website, brochures, etc).
  • The course is conducted in English.
  • Course material are given to the participants.
  • Costs and revenues are agreed and shared between EHRA and the NS in a contract and EHRA
EHRA webinars
WEBINARS

Mark your calendars for interactive new topics to be discussed every month from 18:00 to 19:00 CET.

Dates of webinars, topics and speakers are communicated regularly via EHRA website and dedicated e-campaigns.

EHRA 2016 Members are entitled to:
- Discounted fee for EHRA educational courses
- Free access to EHRA monthly webinars
- Free access to EHRA webinars recordings

EBAC

EHRA submits its educational programmes to the European Board for Accreditation in Cardiology (EBAC) for accreditation.

www.escardio.org/EHRA
Recordings

Thursday 03 March 2016 from 18:00 to 19:00 CET
Pulmonary vein isolation (PVI) in atrial fibrillation (AF) ablation - optimising an effective and reproducible treatment

Thursday 25 February 2016 from 18:00 to 19:00 CET
Periprocedural anticoagulation in AF: Do we need to use a NOAC?

February 2016 from 18:00 to 19:00 CET
Strengths and limitations of single shot devices: cryoballoon, laser balloon or multiphase RF
Restricted to EHRA members

Tuesday 15 December 2015 from 18:00 to 19:00 CET
Reducing ventricular stimulation in patients with dual chamber pacing during sinus rhythm, atrial pacing or AV block

As an EHRA member you can access all the recordings of the webinars!

www.escardio.org/EHRA

Maxim Didenko
Upcoming webinars

Wednesday 20 April 2016 from 18:00 to 19:00 CEST
**LAA occlusion: when and how**
Join Prof. Gregory Lip, and Prof. Horst Sievert on Wednesday 20 April at 18.00 CET for this EHRA webinar. This programme includes case based presentations, online assessments and live discussions with these key opinion leaders and will give you some useful tips for your daily clinical practice.

Thursday 19 May 2016 from 18:00 to 19:00 CEST
**New development in cardiac resynchronisation therapy**
Join Prof Angelo Auricchio, Prof Maurizio Lunati and Dr Maxim Didenko on 19 May 2016 at 18:00 CET for this EHRA webinar on "New development in cardiac resynchronisation therapy". This programme includes case based presentations, online assessments and live discussions with these key opinion leaders and will give you some useful tips for your daily clinical practice. Register for free.

Thursday 02 June 2016 from 18:00 to 19:00 CEST
**Once-daily or twice-daily for NOAC adherence: it is simple, isn't it?**
Join Prof Hein Heidbuchel together with Prof Vrijens and Prof Diener on 02 June 2016 at 18:00 CET for this EHRA webinar on "Once-daily-or-twice-daily-for-NOAC-adherence:-it-is-simple,-isn’t-it? This programme includes case based presentations, online assessments and live discussions with these key opinion leaders and will give you some useful tips for your daily clinical practice. Register for free. Registration opens soon.

www.escardio.org/EHRA
Do you think the new program could be useful?

A. Yes
B. No
### EHRA Educational Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Last Name</th>
<th>Country</th>
<th>Number</th>
<th>Position</th>
<th>Panel</th>
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<tbody>
<tr>
<td>Jose Luis</td>
<td>Merino</td>
<td>Spain</td>
<td>1</td>
<td>Chair, ESC EC and new courses</td>
<td>EP</td>
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<tr>
<td>Matthias</td>
<td>Antz</td>
<td>Germany</td>
<td>3</td>
<td>Co-chair, Webinar co-director</td>
<td>EP</td>
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<td>Fernando</td>
<td>Arribas</td>
<td>Spain</td>
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<td>Christian</td>
<td>De Chillou</td>
<td>France</td>
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<td>Michal</td>
<td>Chudzik</td>
<td>Poland</td>
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<td>EP</td>
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<tr>
<td>Maxim</td>
<td>Didenko</td>
<td>Russia</td>
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<td>EP</td>
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<tr>
<td>Mattias</td>
<td>Duytschaever</td>
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<td>Sabine</td>
<td>Ernst</td>
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<tr>
<td>Maurizio</td>
<td>Lunati</td>
<td>Italy</td>
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<td>ESCel CP co-director, CP course and AP track director</td>
<td>CP</td>
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<tr>
<td>Carlos</td>
<td>Morales</td>
<td>Portugal</td>
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<tr>
<td>Archana</td>
<td>Rao</td>
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<td>ESCel CP director, Lead course director and AP track co-director</td>
<td>CP</td>
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Thank you!