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



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





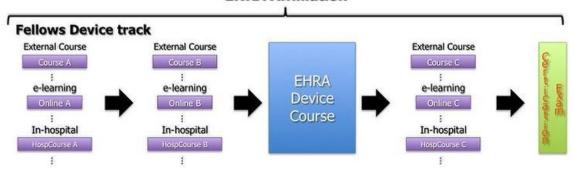
EHRA intramural courses



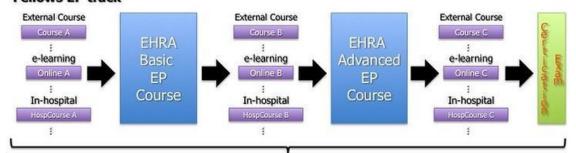


EHRA Educational Framework

EHRA Affilliation



Fellows EP track



EBAC accreditation





2016 EHRA courses

COURSES



• II-I3 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 Extractic 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







ESCeL ESC eLEARNING PLATFORM

Arrhythmias and Cardiac Pacing

European Heart Rhythm Association (EHRA)

WE ARE THE ESC

Topics

- 1. Fellows Device CP Track
- 2. Fellows EP Track









Arrhythmias and Cardiac Pacing European Heart Rhythm Association (EHRA)

2. Fellows EP Track

27 EP presentation in total FREE for EHRA member!

- Basic Electrophysiology Mechanisms (cellular ectrophysiology and ion channels: how they work, when they go wrong and how drugs affect them)
- Cardiac anatomy for the electrophysiologist
- Conduction and refractoriness: fixed and functional block, how we study electrical properties in Clinical EP and revisio
 of the concept of entrainment
- Differential diagnosis on ECG and mechanisms of supraventricular tachycardias
- Diagnostic tools Intracavitary recordings and electrophysiology equipment (Bipolar vs unipolar signals, amplifiers, filters, catheters and digital recording systems.)
- The diagnostic EP study (Intervals, indications and diagnostic maneuvers like pace mapping and entrainment)
- Atrial flutter and atrial macroreentry: electrophysiologic diagnosis. Entrainment manoeuvres
- Practical examples on how to read ECGs and tracings, part 2 focusing on atrial tachycardia/flutters
- Practical examples on how to read ECGs and tracings, part 3 focusing on wide QRS tachycardias
- Therapeutic tools Basic Concepts, techniques and safety issues of ablation
- The electrophysiology study and ablation of AV nodal reentry
- The electrophysiology study of accessory pathway conduction
- How to perform transeptal catheterization: comparison of available methods tips and tricks
- Imaging anatomy and 3D mapping system principles
- The basic principles of ablation of AF (focusing on techniques and simple examples of PV tracings)
- PV ablation for atrial fibrillation. Patient selection, ablation techniques, electrogram analysis
- Role of single shot techniques for atrial fibrillation ablation: Cryo and other ablation technology for AF. Role of imaging techniques: MRI, CT, Intracardiac Echo
- Ablation of macro reentrant atrial tachycardia and atypical flutter





The diagnostic EP study (Intervals, indications and diagnostic ...

EHRA course Track 2 - Fellows EP

Professor Jesus Almendral, Madrid, Spain







EHRA Core Curriculum

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

Test your knowledge

Summary

Webcast - The diagnostic EP study (Intervals, indications and diagnostic

Fellows EP Basic Invasive Cardiac Electrophysiology - 25 - 27 October, 2012









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









ARE THE **ESC**

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-invasve and invasive AF-mapping multipoint 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





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

WE ARE THE ESC

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.









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









WE **ARE THE ESC**



New!!

EHRA Interventional Electrophysiology Course and Examination Preparatory Course (EPC)

• **Date :** April 20-22, 2016

Location : Madrid, Spain



- 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



Interventional Electrophysiology and Examination Preparatory 21-23 April, 2016



13:10 – 13:30 EHRA Certification Exam: 20 min

Evaluation, Results and Lessons from previous editions.

Adolfo Fontenla

13:30 – 14:30 Basics in the EP laboratory. Tips and tricks about 60 min

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 60 min

Adolfo Fontenla



60 min



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.

WE ARE THE FSC

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 congenitial heart disease. Mapping and ablation in complex antomy.
- Special new features: special collaboration with ESC WG on GUCH and AEPC



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





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









WE ARE THE ESC

40 participants













EUROPEAN HEART RHYTHM ASSOCIATION

A Registered Branch of the ESC

EDUCATIONAL COURSE ON Basic Electrophysiogy Buenos Aires, Argentina / 20th November, 2015 in Spanish

Course director: Prof. Jose L. Merino

PRELIMINARY AGENDA













Day 1 - Friday 20th November

		Speaker	
11:30 - 11:45	Welcome		
11:45 - 12:05	Cardiac anatomy for electrophysiologists	Dr. M. Abello	
12:05 - 12:25	Intracardiac signals: bipolars and unipolars. Cardiac stimulation	Prof. JL Merino	
12:25 - 12:45	Entrainment and pacemapping	Prof. A. Arenal	
12:45 - 14:00	Lunch break		
14:00 - 14:20	RF & Cryioablation fundamentals	Dr Joaquin Osca	
14:20 - 14:40	Atrial flutter and macroreentry.	Dr Carlos Morillo	
14:40 - 15:00	Supraventricular Tachycardia.	Dr Mauricio Scanavacca	
15:00 - 15:20	Accessory pathway ablation	Dr Claudio Hadid	
15:20 - 15:40	VT ablation	Dr. Luis Aquinaga	
15:40 - 16:00	e and misuse of mapping systems Dr Miquel Valderraba		
16:00 - 16:15	Conclusion and Adjourn		
20:30	Group dinner		







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





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

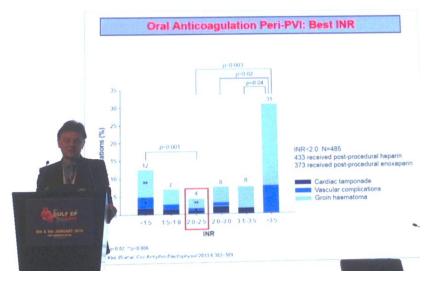




vww.escardio.org/EHRA

28 111
Ministry of Health Al Qassimi Hospital
Cardiac Centre
Sharjah, UAE
813
PATRON
H.E. ABDUL RAHMAN AL OWAIS
UAE Minister of Health
FOUNDER
FOUNDER
Dr. ARIF AL NOORYANI
CEO of Al Qassimi Hospital,
Head of Cardiology Department
SYMPOSIUM CHAIRMAN
The second secon
Dr. MOHAMMED MAGDY, MD (UAE) Director & Chairman GULF EP LIVE
Consultant & Head of EP Department
Mob: +971 56 670 0248
Email: mohamed@mohamedmagdi.com
E 4 #111 E
PRESIDENT GULF HEART RHYTHM SOCIETY
(HORONARY DIRECTOR)
Dr. ADEL KHALIFA SULTAN HAMAD (Bahrain)
EA 40 4 14 14

EHRA	EHRA EDUCATIONAL COURSE			
09:00	Welcome Assoc. Prof H. Burri			
09:10-09:30	Update on Guidelines for pacing and CRT indications Prof. M. Lunati			
09:30-10:00	ECG and devices Assoc. Prof H. Burri			
10:00-10:20	Ventricular arrhythmias and prevention of sudden cardiac death (Guidelines on Diagnosis and Treatment of ventricular arrhythmias) Prof. M. Lunati			
10:00-10:40	Coffee break			
10:40-11:00	Update on new technologies (Leadless pacemaker, Subcutaneous ICD, Interventional and telescoping systems for CRT etc) with prerecorded cases Prof. Lunati			
11:00-11:30	Device troubleshooting cases: x-ray - echo and holter-device recording Assoc Prof H. Burri			
11:30-12:15	Lunch Break			
12:15 - 12:35	ECG and EP diagnosis of supraventricular tachycardia Prof. M. Antz			







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, ect).
- 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.









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

Online event





As an EHRA member you can access all

Online : can l event



the recordings of the webinars! rengths and limitations of single shot devices: cryoballoon, laser balloon or multiphase RF

Restricted to EHRA members

Online event





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

Online event





Upcoming webinars





Wednesday 20 April 2016 from 18:00 to 19:00 CEST LAA occlusion: when and how

Online event

Online

event

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.

The EHRA Webinars are
The EHRA Mehinars are
The EHRA Webinars are





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 Online Once-daily or twice-daily for NOAC adherence: it is simple, event 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





Do you think the new program could be useful?



A. Yes

B. No



EHRA Educational Committee



	Jose Luis	Merino	Spain	1	Chair, ESC EC and new courses	EP	
	Matthias	Antz	Germany	3	Co-chair, Webinar co-director	EP	
	Fernando	Arribas	Spain	1	Key ref. Library director	EP	
	Christian	De Chillou	France	2	ESCel EP co-director	EP	
	Michal	Chudzik	Poland	1	director, Eastern Initiatives co-	СР	
	Maxim	Didenko	Russia	1	Webinars director, Eastern Initiatives Director	EP	
	Mattias	Duytschaever	Belgium	2	ESCel EP director	EP	
	Sabine	Ernst	UK	1	Key ref. library co-director	EP	
	Pier	Lambiase	UK	2	Cardiogenetics	EP	
	Maurizio	Lunati	Italy	3	ESCel CP co-director, CP course and AP track director	СР	
	Carlos	Morais	Portugal	2	Endorsement and Affiliation director	EP	
e	Archana	Rao	UK	1	ESCel CP director, Lead course director and AP track co-director	СР	H







Thank you!



