With the participation of the ESC Working Groups on e-Cardiology and Grown-up Congenital Heart Disease and in conjunction with the 41st Annual Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology.
Welcome Address

Join EHRA in Vienna for EHRA EUROPACE – CARDIOSTIM 2017

EHRA EUROPACE – CARDIOSTIM 2017 promises to be a highly successful congress!

The EHRA Scientific Programme Committee has developed a compelling programme designed to provide attendees with the latest in science and education in the field of cardiac rhythm disorders and therapies.

During this four days congress, highly acclaimed scientific sessions will cover all aspects of pacing and electrophysiology. Delegates will also have the chance to discover new research, learn from world renowned experts and exchange with colleagues and peers.

Dedicated sessions for allied professionals, young electrophysiologists, and women in electrophysiology will be delivered and once again, the congress will be joined by colleagues from the ESC Working Groups on e-Cardiology and on Grown-up Congenital Heart Disease as well as the 41st Annual Meeting on Cardiac Cellular Electrophysiology.

We look forward to welcoming you to the beautiful city of Vienna, and making this congress another success!

Prof. Michael Glikson
EHRA Scientific Programme Chairperson

Prof. Helmut Puererfellner
EHRA Scientific Programme Vice-Chairperson

Dr. Arnaud Lazarus
Cardiostim Scientific Programme Chairperson

Prof. Pierre Jais
Cardiostim Scientific Programme Vice-Chairperson

Dr. Philippe Ritter
Cardiostim Past President
### Scientific Programme Committees

#### Abstract Chairs
- Dr. Alessandro Proclemer (IT)
- Dr. Roy Beinart (IL)

#### AF Summit
- Dr. Christopher Piorkowski (DE)

#### Allied Professionals
- Dr. Jenny Tagney (GB)
- Prof. Donna Fitzsimons (GB)
- Mrs. Lynne Hinterbuchner (AT)

#### Basic/Translational Science/Genetics
- Dr. Carlo Napolitano (IT)
- Prof. Joachim Ehrlich (DE)
- Dr. David Arnar (IS)

#### Cardiostim Representatives
- Dr. Michele Brignole (IT)
- Dr. Francis Murgatroyd (GB)
- Ass. Prof. Moti Haim (IS)

#### Cardiovascular Implantable Electronic Devices
- Dr. Michele Brignole (IT)
- Prof. Jean Claude Deharo (FR)
- Dr. Francis Murgatroyd (GB)
- Ass. Prof. Moti Haim (IL)

#### Clinical EP
- Prof. Sami Viskin (IL)
- Dr. Laurent Pison (NL)
- Prof. Richard Schilling (GB)
- Prof. Isabel Deisenhofer (DE)
- E-cardiology WG rep - Prof. Goran Krstacic (HR)

#### Heart Failure
- Prof. Giuseppe Boriani (IT)
- Ass. Prof. Carsten Israel (DE)
- Dr. Giuseppe Stabile (IT)
- Dr. Eyal Nof (IL)

#### Innovation
- Prof. Frits Prinzen (NL)

#### Lead and Device Management Summit
- Dr. Maria Grazia Bongiorni (IT)

#### Catheter Ablation
- Prof. Christian Welpert (DE)
- Ass. Prof. Martin Martinek (AT)
- Prof. Harry Crijns (NL)
- Dr. Luigi DiBiase (IT)

#### Pediatric / Adult Congenital Heart Disease
- Prof. Jan Janousek (CZ)
- Dr. Joachim Hebe (DE)
- Dr. Nico Blom (ML)
- GUCH WG rep - G. Diller (DE)

#### Regulatory /Health Politics / Education
- Dr. Francisco Leyva (GB)
- Prof. Giovanni Fattore (IT)
- Prof. Paulus Kirchhof (GB)
- Dr. Angel Moya (SP)

#### Scientific documents
- Prof. Gregory Y. H. Lip (GB)

#### VT/VF Summit
- Prof. Antonio Beruezzo (SP)

#### Women in EP
- Prof. Andrea Sarkozy (BE)

#### Young EP
- Assist. Prof. Valentina Kutyifa (USA)
A top quality scientific programme

The Congress Programme Committee has selected the best presentations among a broad topic list submitted.

The programme will feature new research discoveries:
• Four Summits included in the registration fee: VT, AF, Lead Management and eHealth Summit.
• Access cath labs through LIVE Sessions.
• Get updated with the Late Breaking Trial Session.

This year, we anticipate a record number of abstract submissions: Get updated on the latest researches by attending our various abstract sessions.

Meet Worldwide Renowned Experts

Prof. Charles Antzelevitch
(Wynnewood, US)

Prof. Angelo Auricchio
(Lugano, CH)

Dr. Michele Brignole
(Lavagna, IT)

Dr. Andrea Natale
(Austin, US)

Prof. Josep Brugada Terradellas
(Barcelona, ES)

Prof. Pedro Brugada Terradellas
(Barcelona, ES)

Prof. Sami Viskin
(Tel Aviv, IL)

Prof. Pierre Jais
(Bordeaux, FR)

Dr. Hugh Calkins
(Baltimore, US)

Dr. Stavros Pappas
(Baltimore, US)

Prof. Hein Heidbuchel
(Edegem, BE)

Prof. Josef Penninger
(Vienna, AT)

Prof. Lior Gepstein
(Haifa, IL)

Prof. Sami Viskin
(Tel Aviv, IL)

Prof. Charalambous Younes
(Vienna, AT)

Dr. Michael R Gold
(Charleston, US)

Prof. John Camm
(London, GB)

Dr. Douglas L Packer
(Rochester, US)

Dr. Francine Marketing
(New York, US)

Dr. Francine Marketing
(New York, US)

Prof. Li-Cheng Liao
(Philadelphia, US)

Dr. Francis Marchlinski
(Philadelphia, US)

Target audience:
Electrophysiologists, Cardiologists, Basic scientists, Cardiac nurses, Intensivists, Anaesthesiologists, Internists, General physicians, Epidemiologists, Industry affiliates, Cardiac physiologists, Physicians-in-training, Medical students, Cardiac technicians...

Key figures:
4 Days of scientific exchange
5 720+ Healthcare professionals
450+ International expert faculty members
1 500+ Abstracts and clinical cases submitted
140+ Scientific sessions
2000 m2+ Exhibition showcase
20+ Industry sponsored sessions
<table>
<thead>
<tr>
<th>Time</th>
<th>Sunday 18 June 2017</th>
<th>Monday 19 June 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:00</td>
<td>Arrhythmias: what do registries tell us?</td>
<td>Late Breaking Trial Session</td>
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<tr>
<td>10:00-11:00</td>
<td>The 12 lead ECG as a daily, indispensable companion - Part 1</td>
<td>Best research by young electrophysiologists</td>
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<tr>
<td>10:00-11:00</td>
<td>Atrial fibrillation: what do registries tell us?</td>
<td>Clinical</td>
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<tr>
<td>11:00-12:30</td>
<td>Predicting ICD therapies in the real world</td>
<td>Young meets experienced - A case based session by the EHRA Young EP</td>
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<tr>
<td>11:00-12:30</td>
<td>Cardiac devices: insights from registries</td>
<td>AV-nodal re-entrant tachycardia</td>
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<tr>
<td>11:00-12:30</td>
<td>The 12 lead ECG as a daily, indispensable companion - Part 2</td>
<td>Subclinical atrial fibrillation: how much is too much?</td>
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<tr>
<td>12:45-13:45</td>
<td>LUNCH BREAK / SATELLITE SYMPOSIA</td>
<td>LUNCH BREAK / SATELLITE SYMPOSIA</td>
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<tr>
<td>14:00-15:30</td>
<td>Indications for ICDs in 2017</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<tr>
<td>14:00-15:30</td>
<td>AMBIB INTERPRETATION OF TACHYCARDIA</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<tr>
<td>14:00-15:30</td>
<td>Treatment of electrical storm: how to improve outcome</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<tr>
<td>14:00-15:30</td>
<td>How to prevent and handle complications in catheter ablation of atrial fibrillation</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<tr>
<td>14:00-15:30</td>
<td>The nightmare of devices infections: best strategies</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<td>The best strategy for ablation of persistent atrial fibrillation: who makes the race?</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<td>14:00-15:30</td>
<td>CIEDs and Lead technology failures and fears</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<tr>
<td>14:00-15:30</td>
<td>Local Language Track Developing knowledge in Austrian Nurses and AHPs PART I</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
</tr>
<tr>
<td>14:00-15:30</td>
<td>Genetic discoveries to improve arrhythmia treatment</td>
<td>Innovative cardiac devices: do registries help innovation?</td>
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<tr>
<td>14:30-16:30</td>
<td>INAGURAL SESSION</td>
<td>41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology</td>
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<tr>
<td>16:30-18:00</td>
<td>Focal atrial tachycardia: how to find the &quot;hot spot&quot;</td>
<td>Learning from the expert CRT implantation techniques</td>
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<tr>
<td>16:30-18:00</td>
<td>How to avoid complication in VT ablation?</td>
<td>Practical approaches in the catheter ablation of complex arrhythmias</td>
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<tr>
<td>16:30-18:00</td>
<td>The best strategy for ablation of persistent atrial fibrillation: who makes the race?</td>
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<tr>
<td>16:30-18:00</td>
<td>CIED infections: emerging issues, diagnostic and therapeutic modalities</td>
<td>Practical approaches in the catheter ablation of complex arrhythmias</td>
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<tr>
<td>16:30-18:00</td>
<td>Sinus rhythm is better than atrial fibrillation: the &quot;rate vs. rhythm&quot; studies revisited in the era of ablation</td>
<td>Practical approaches in the catheter ablation of complex arrhythmias</td>
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<td>Ion channel trafficking in the heart</td>
<td>Practical approaches in the catheter ablation of complex arrhythmias</td>
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<tr>
<td>16:30-18:00</td>
<td>Amblycardia pacing in children</td>
<td>Practical approaches in the catheter ablation of complex arrhythmias</td>
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<td>18:15-19:15</td>
<td>INAGURAL SESSION</td>
<td>41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology</td>
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</tbody>
</table>

**Note:** The table and diagram outlines the schedule for the conference, including sessions, talks, and other events, with specific attention to topics related to arrhythmias and electrophysiology. The content is arranged by time and day, with session and talk titles indicating the focus areas of each event.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30</td>
<td>How to improve the benefits of CRT?</td>
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<tr>
<td>10:00</td>
<td>SVT ablation from the rare to the difficult: a case based tutorial</td>
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<tr>
<td>10:00</td>
<td>Left atrial appendage occlusion: state of the art 2017</td>
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<tr>
<td>10:00</td>
<td>Innovations for better patient care: reports from the EHRA Innovation Forum</td>
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<tr>
<td>10:00</td>
<td>Device programming for pacing in special scenarios and populations</td>
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<tr>
<td>10:00</td>
<td>Anticoagulation for non-valvular atrial fibrillation in 2017</td>
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<tr>
<td>10:00</td>
<td>New technologies for prolonged ECG monitoring: how, when and for whom?</td>
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<tr>
<td>10:00</td>
<td>Medical treatment of channelopathies: effective and safe?</td>
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<td>10:00</td>
<td>Hypertrophic cardiomyopathy genetics and clinical management</td>
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<tr>
<td>11:00</td>
<td>Sustained fights on CRT</td>
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<tr>
<td>12:30</td>
<td>MRI interventional suites and MR-guided ablation</td>
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<tr>
<td>12:45</td>
<td>Ablation of atrial macroreentrant tachycardia tips and tricks</td>
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<tr>
<td>13:45</td>
<td>Approach to atrial fibrillation patient highlights from Central-Eastern Europe</td>
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<tr>
<td>14:00</td>
<td>Crash course for inventors</td>
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<td>14:00</td>
<td>Leadless Pacing: the future of cardiac pacing?</td>
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<tr>
<td>14:00</td>
<td>State of the art on anticoagulation</td>
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<tr>
<td>14:00</td>
<td>12-lead ECG: diagnostic and prognostic value</td>
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<tr>
<td>14:00</td>
<td>Pharmacological therapy in AF</td>
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<tr>
<td>15:00</td>
<td>Late sodium current and cardiac arrhythmias: a basic and translational update</td>
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<tr>
<td>15:30</td>
<td>CRT implants: nightmares in the lab</td>
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<tr>
<td>16:30</td>
<td>EP Fundamentals: what everyone should know</td>
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<tr>
<td>16:30</td>
<td>Hybrid ablation in persistent atrial fibrillation: the ultimate heart team approach</td>
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<tr>
<td>16:30</td>
<td>Finals of EHRA inventors award and Cardiostim innovators award</td>
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<td>16:30</td>
<td>CIEDs after cardiac procedures</td>
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<tr>
<td>16:30</td>
<td>Stroke and bleeding in atrial fibrillation: difficult management issues</td>
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<tr>
<td>16:30</td>
<td>Electrocardiogram, Holter recordings and remote monitoring for preventing malignant ventricular arrhythmias</td>
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<tr>
<td>16:30</td>
<td>Is it worth the money? Cost-effectiveness in electrophysiology</td>
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<tr>
<td>16:30</td>
<td>Late sodium current and cardiac arrhythmias: a basic and translational update</td>
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<tr>
<td>17:00</td>
<td>Practical management approaches of female patients with challenging arrhythmias</td>
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<tr>
<td>17:00</td>
<td>Burning issues in catheter ablation in 2017</td>
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<tr>
<td>17:00</td>
<td>Controversies in Afib ablation</td>
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<tr>
<td>17:00</td>
<td>Innovation Parade</td>
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<tr>
<td>17:00</td>
<td>Syncpe management: now and future</td>
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<td>17:00</td>
<td>Cancer therapy and arrhythmias</td>
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<td>17:00</td>
<td>Arrhythmic substrate characterisation in the ventricles</td>
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<tr>
<td>17:00</td>
<td>Improving efficacy in the EP lab: work flow, process optimisation and economical balance</td>
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<tr>
<td>17:00</td>
<td>Data and evidence in ICD and CRT patients: what’s the value?</td>
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<tr>
<td>17:00</td>
<td>Keep cool: expert approaches for atrial fibrillation cryo ablation</td>
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<tr>
<td>17:00</td>
<td>What’s the future of ICD therapy</td>
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<tr>
<td>17:00</td>
<td>Falling down: Asystolic syncope</td>
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<tr>
<td>17:00</td>
<td>Athlete with abnormal ECG: the experts’ approach in 2017</td>
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<tr>
<td>17:00</td>
<td>Cost effectiveness of device telemonitoring: is it worth it?</td>
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<tr>
<td>17:00</td>
<td>New frontiers and indications for catheter ablation</td>
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<tr>
<td>17:00</td>
<td>EHRA EUROPEACE - CARDIOSTIM 2017 Highlights</td>
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<tr>
<td>17:00</td>
<td>Closing Ceremony</td>
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</tbody>
</table>

**Tuesday 20 June 2017**

**Wednesday 21 June 2017**
Registration fees

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<thead>
<tr>
<th></th>
<th>STANDARD</th>
<th>BASIC SCIENTIST</th>
<th>NURSE &amp; ALLIED</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>EHRA members</td>
<td>Non members</td>
<td>EHRA members</td>
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<tr>
<td><strong>DEADLINE</strong></td>
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<tr>
<td>Early fee - 17 April 2017</td>
<td>€780</td>
<td>€390</td>
<td>€310</td>
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<tr>
<td>Late fee - 18 May 2017</td>
<td>€850</td>
<td>€430</td>
<td>€340</td>
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<tr>
<td>Last minute - 12 June 2017</td>
<td>€970</td>
<td>€485</td>
<td>€400</td>
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</tbody>
</table>

SPECIAL RATES

- ESC Working Group on Cardiac Cellular Electrophysiology, e-Cardiology, Grown-up Congenital Heart Disease Members**: standard registration at €320
- Nurse: day ticket at €100

Day Tickets

Sunday, Monday and Tuesday €480
Wednesday (morning only) €360

The registration fees include 20% Austrian VAT. Please read the General Conditions.

Book your hotel

The ESC has appointed Mondial GmbH in Vienna as its official housing agency for hotel reservations for EHRA EUROPACE-CARDIOSTIM 2017.

Mondial has selected a number of hotels with negotiated rates either close to the congress centre or in the city centre with easy access.

**BOOK NOW**
You will be transferred to the online booking system of Mondial.
Telephone requests cannot be accepted.
For group reservation requests please contact Mondial directly by email: ehra.housing@mondial-congress.com

If you are contacted by any other company or agency offering housing for this congress, please note that these companies are not authorised to represent the ESC in any way, nor do they have access to the officially contracted ESC room blocks or rates.
Please be aware that unauthorised companies might not deliver what they promise in terms of quality and location. Rates and extra charges can be inflated or hefty fees placed on credit cards.
If you are contacted by any such agency or have any questions regarding their legitimacy please don’t hesitate to contact us at EPHotels@escardio.org or by telephone +33 492947623
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Scientific Programme & Planner:
www.escardio.org/EUROPACE
The ‘EHRA 2017’ Mobile App available on App Store® / Google play
VT AND VF SUMMIT, ATRIAL FIBRILLATION SUMMIT, LEAD AND DEVICE MANAGEMENT SUMMIT

EDUCATIONAL TRACK

LOCAL LANGUAGE TRACK

41ST MEETING OF THE ESC WORKING GROUP ON CARDIAC CELLULAR ELECTROPHYSIOLOGY

Sunday 18 June 2017

8:30 - 10:00  MAIN SESSION  SENNING

Atrial fibrillation ablation: what do registries tell us?

- EORP registry: what determines a good outcome from atrial fibrillation ablation in the ‘real world’?
- European Atrial Fibrillation Ablation Registry: do outcomes in the real-world compare with trials?
- Epicardial/hybrid atrial fibrillation ablation registry (EHAFAR): how does a hybrid approach compare to a transcatheter approach?
- Practice in perspective: can registry data guide future developments in atrial fibrillation ablation?

08:30 - 10:00  MEET THE EXPERTS  WENCKEBACH

The 12 lead ECG as a daily, indispensable, companion - Part I

Educational Track

08:30 - 10:00  MAIN SESSION  MOBITZ

Recent advances in VT ablation: any effect on outcome?

Joint Session with the Sociedad Brasileira de Arritmias Cardiacas

VT and VF Summit

- Image integration for improvement of success of VT ablation.
- Pace-mapping guided VT ablation.
- Endo-/epicardial ablation for ischemic diseases.
- Endo-/epicardial ablation in non-ischemic diseases.

8:30 - 10:00  SYMPOSIUM  MIROWSKI

Atrial fibrillation, individual patients, individual therapies

Atrial Fibrillation Summit

- Atrial fibrillation in the channelopathies.
- Atrial fibrillation in hypertrophic cardiomyopathy.
- Atrial fibrillation and heart failure.
- Atrial fibrillation: value of personalised therapy and integrated care.

Sunday 18 June 2017

8:30 - 10:00  MEET THE EXPERTS  FURMAN

Effective and safe lead extraction: meet the experts

Lead and Device Management Summit

- Powered or non-powered lead extraction: does it make a difference?
- How do I proceed with lead extraction when a stylet cannot be introduced?
- When do I propose elective surgical lead extraction procedure?

8:30 - 10:00  SYMPOSIUM  COUMEL

Gender issues in ICD and CRT therapy

- Electrophysiologic differences by gender.
- Differential susceptibility to ventricular arrhythmias by gender: clinical data.
- Differential effects of ICD and CRT in Women.
- Why women don’t get it?

8:30 - 10:00  MAIN SESSION  HIS

Inherited arrhythmogenic diseases: genetics, risk stratification and sudden cardiac death

- How to interpret Lab results in genetic arrhythmias counseling?
- Novel risk stratification tools for inherited arrhythmias.
- What is new in early repolarisation?
- Genetics of SCD and idiopathic VF: the clinical value of molecular autopsy and family screening.

08:30 - 10:00  FEATURED SYMPOSIUM  DAMATO

Regulation of cardiac ion channels

41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology

11:00 - 12:30  SYMPOSIUM  SOKOLOV

Predicting ICD therapies in the real world

- New data on the incidence and predictors of ICD therapy and survival - Lesson from the Israeli ICD registry.
- The role of imaging in risk stratification.
- Autonomic markers of arrhythmic risk.
- Risk stratification and mortality in 2016: implications for ICD implantation?

11:00 - 12:30  MAIN SESSION  SENNING

Cardiac devices: insights from registries

- Co-morbidity and outcomes from device therapy: Insights from the Registry of Emilia Romagna on Arrhythmia Interventions (RERAI).
- Does gender influence the outcome of device or are clinical characteristics different in women? The Multicentre French Registry.
- Is practice in device therapy changing? The pacemaker implantable cardioverter-defibrillator Registry of the Italian Association of Arrhythmology and Cardiac Pacing (AIAC).
- Are heart failure patients receiving guideline-indicated device therapy: the european heart failure registry.
Sunday 18 June 2017

11:00 - 12:30 MEET THE EXPERTS  
WENCKEBACH  

The 12 lead ECG as a daily, indispensable, companion - Part 2  

Educational Track

11:00 - 12:30 SYMPOSIUM  
MOBITZ  

VT-Ablation: how to deal with difficult substrates

VT and VF Summit

- Ablation of papillary muscle tachycardia.
- Ablation in sarcoidosis and ARVC: the need for the epicardial approach.
- Ablation of trigger PVC in idiopathic VF and in post AMI.
- Septal VT ablation.

11:00 - 12:30 SYMPOSIUM  
MIROWSKI  

New technologies in catheter ablation of atrial fibrillation: toy or tool?

Atrial Fibrillation Summit

- The impact of contact force on procedure outcome.
- Rotor ablation: any proven indication?
- Ablation of autonomic ganglia: hope or hype?
- High density mapping: toy or tool?

11:00 - 12:30 SYMPOSIUM  
FURMAN  

How to get it done safely: lead extraction cases

Lead and Device Management Summit

- Predicting lead extraction peri-procedural complications?
- Optimal preparation of the patient when lead extraction is planned.
- Optimal preparation of a lead-extracting center.
- One year after lead extraction: lessons from the ELECTRa Registry.

11:00 - 12:30 DEBATE SESSION  
COUMEL  

This house believes that health care workers should sub-specialise in either EP or Device management'

- Initial vote from the audience and chairperson.
- Health care workers should sub-specialise in either EP or Device management: the case FOR sub-specialism - PRO.
- Health care workers should sub-specialise in either EP or Device management: the case AGAINST sub-specialism - CONTRA.
- Health care workers should sub-specialise in either EP or Device management - Rebuttal PRO.
- Health care workers should sub-specialise in either EP or Device management - rebuttal CONTRA.
- Questions and Answers.
- Final vote from the audience.

11:00 - 12:30 SYMPOSIUM  
HIS  

The multiple facets of arrhythmogenic ventricular cardiomyopathy

- The role of genetics for probands patients and family members.
- Molecular pathogenesis of ARVC.
- What’s needed for diagnosis and risk stratification?
- Current therapeutic concepts - A summary of the 2015 international task force consensus statement.

11:00 - 12:30 FEATURED SYMPOSIUM  
DAMATO  

Intracellular ion homeostasis in the heart

41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology

11:00 - 12:30 MAIN SESSION  
ELMQUIST  

Single ventricle and transposition of great arteries: challenges for the electrophysiologist

- Post-surgical anatomy.
- Arrhythmias and catheter ablation in single ventricle patients.
- Arrhythmias and catheter ablation in TGA patients.
- Role of surgical ablation and implantation techniques for cardiac resynchronisation therapy.

14:00 - 15:30 DEBATE SESSION  
SOKOLOV  

Indications for ICDs in 2017

- After DANISH: primary prevention of SCD with the ICD in NICM is dead!
- SC ICD for most patients without pacing indication - PRO.
- SC ICD for most patients without pacing indication - CONTRA.

14:00 - 15:30 SYMPOSIUM  
SENNING  

Innovative cardiac devices: do registries help Innovation?

- How does the S-ICD compare with a transvenous ICD? - The EFFORTLESS registry.
- The MICRA registry: prime time for the leadless pacemaker?
- How does a registry influence Innovation? - The Kaiser Permanente-Cardiac Device Registry.
- Are registries for regulation or for Innovation?

14:00 - 15:30 SYMPOSIUM  
WENCKEBACH  

Interactive ECG interpretation of tachycardias

Educational Track

- ECG 1. Supraventricular tachycardia narrow QRS complex.
- ECG 2. Ventricular tachycardia.
- ECG 3. Tachycardia with wide QRS complex.
<table>
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<tr>
<th>Time</th>
<th>Symposium</th>
<th>Title</th>
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<tbody>
<tr>
<td>14:00 - 15:30</td>
<td>SYMPOSIUM MOBITZ</td>
<td>Treatment of electrical storm: how to improve outcome</td>
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<td>VT and VF Summit</td>
<td>- Electrical storm: what is the best timing for intervention?</td>
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<td>- Ablation strategy in electrical storm.</td>
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<td>- Drugs or ablation: Is there a difference in recurrence rate and survival?</td>
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<td>- Failed ablation: what is next?</td>
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<td>14:00 - 15:30</td>
<td>SYMPOSIUM MIROWSKI</td>
<td>How to prevent and handle complications in catheter ablation of atrial fibrillation</td>
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<td>Atrial Fibrillation Summit</td>
<td>- Introduction: the most important complications of catheter ablation.</td>
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<td>- Phrenic nerve palsy: how to avoid it?</td>
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<td>- PV stenosis: still an issue!</td>
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<td>14:00 - 15:30</td>
<td>SYMPOSIUM FURMAN</td>
<td>The nightmare of devices infections: best strategies</td>
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<td>Lead and Device Management Summit</td>
<td>- Is it an early pocket infection? Incisional infection? Early post implantation inflammation?</td>
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<td>- What to do with contra-lateral leads in case of ipsi-lateral infection?</td>
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<td>- How do you &quot;bridge&quot; your patients before reimplantation?</td>
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<td>- Reimplantation epicardial? endocardial? subcutaneous? lead less?</td>
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<td>14:00 - 15:30</td>
<td>SYMPOSIUM COUMEL</td>
<td>Developing knowledge in Austrian Nurses and AHPs PART I.</td>
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<td>German speaking stream for local nurses and AHPs</td>
<td>- Transseptal puncture, what's the nurses role: complications that can arise.</td>
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<td>- Transseptale punktion, die rolle der Krankenschwester: komplikationen das auftreten kann.</td>
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<td>- EPÚ: what are all those lines on the monitor? Making sense of what, where and how to look and interpret.</td>
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<td>- EPÚ: was sind alle diese Linien auf dem Monitor? Sinnvoll von dem, was, wo und wie sie aussehen.</td>
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<td>- Mapping systems for beginners: tips and tricks for best results.</td>
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<td>- Mapping-systeme für anfänger: tipps und tricks für die besten ergebnisse.</td>
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<td>- Telemonitoring: nurse-led telemonitoring.</td>
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<td>- Telemonitoring: Krankenschwester gehuerten telemonitoring.</td>
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<td>14:00 - 15:30</td>
<td>SYMPOSIUM HIS</td>
<td>Gene and molecular therapies for cardiac arrhythmias and SCD</td>
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<td>- Gene therapy calcium handling dysfunction in heart failure.</td>
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<td>- Gene therapy of inherited arrhythmias.</td>
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<td>- Molecular strategies to treat post MI arrhythmias.</td>
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<td>- Gene therapy: the future of personalised atrial fibrillation management?</td>
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<td>14:00 - 15:30</td>
<td>MAIN SESSION ELMQUIST</td>
<td>Repaired tetralogy of Fallot - an evidence based approach to arrhythmias</td>
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<td>- Post-surgical anatomy.</td>
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<td>- Catheter and surgical ablation strategies.</td>
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<td>- Prevention of sudden cardiac death.</td>
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<td>- Pacing approach to right heart failure.</td>
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<td>16:30 - 18:00</td>
<td>SPECIAL SESSION SENNING</td>
<td>Honorary Lecture</td>
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<td>- Intercontinental lecture. Atrial Fibrillation: what went wrong? What went right? What do we need to do next?.</td>
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<td>- Einthoven Lecture: 50 years of clinical electrophysiology.</td>
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<td>16:30 - 18:00</td>
<td>HOW-TO SESSION WENCKEBACH</td>
<td>Focal atrial tachycardia: how to find the “hot spot”</td>
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<td>- Educational Track</td>
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<td>- Lessons from the surface ECG and body surface mapping.</td>
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<td>- Conventional fluoroscopically-guided mapping and pace mapping of focal atrial tachycardia.</td>
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<td>- 3-D non-fluoroscopic mapping and ablation of focal atrial tachycardia.</td>
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<td>- Multifocal atrial tachycardia.</td>
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<td>16:30 - 18:00</td>
<td>SYMPOSIUM MOBITZ</td>
<td>How to avoid complication in VT ablation?</td>
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<td>VT and VF Summit</td>
<td>- Access site, material and technique for epicardial puncture</td>
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<td>- How to avoid embolism, phrenic palsy and erosion of the coronary arteries.</td>
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<td>- When to use retrograde, antegrade, epicardial or robotic in VT ablation?</td>
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<td>- Management of complications: what do we all need to know?</td>
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<td>16:30 - 18:00</td>
<td>SYMPOSIUM MIROWSKI</td>
<td>The best strategy for ablation of persistent atrial fibrillation: who makes the race?</td>
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<td>Atrial Fibrillation Summit</td>
<td>- Solid PVI only is still enough.</td>
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<td>- Mapping in sinus rhythm; substrate modification makes the difference.</td>
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<td>- Mapping AF in AF: rotors and termination strategies.</td>
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<td>- Non PVI trigger ablation and LAA isolation.</td>
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### SYMPOSIUM FURMAN

**CIEDs and Lead technology: failures and fears**

*Lead and Device Management Summit*

- Sprint Fidelis lead advisory: nearly 10 years.
- Riata leads: 6 years after the advisory.
- Batterie issues: how to handle?
- Quadripolar left ventricular pacing leads: safe technology?

### SYMPOSIUM COUMEL

**Developing knowledge in Austrian Nurses and AHPs PART II.**

*German speaking stream for local nurses and AHPs*

*Local language session - Presentation will be given in German with slides in English.*

- Update CPR guidelines, are we retraining often enough?
  Aktualisiert CPR-richtlinien werden umschulung oft genug?
- Sudden cardiac death in sports « help people learn how they can save lives».
  Plötzlichen herztof im sport , Menschen helfen zu lernen, wie sie Leben retten können”!
- Defibrillators, AEDs, life vests and ICDs « not all shocks are created equal».
  Defibrillatoren; AED, life vests und ICDs «nicht alle schocks sind gleich».
- 1st CIED control after implant: optimised programming.
  Erste CIED kontrolle nach der implantation: optimierte programmierung.

### SYMPOSIUM HIS

**Genetic discoveries to improve arrhythmia treatment**

- Genetics, GWAS, and sudden cardiac death: an update.
- Advanced in using IPS modeling...
- Systematic family screening to reduce the burden of SCD in the young.
- What have we learned about AF mechanisms from GWAS?
- Whole population screening for genetic mutations that cause inherited arrhythmia syndromes in Iceland.
  Is it realistic (and useful)?

### FEATURED SYMPOSIUM DAMATO

**Ion channel trafficking in the heart**

*41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology*

### MAIN SESSION ELMQUIST

**Antibradycardia pacing in children**

- Evolving indications: what is new?
- Pacing system survival: things to improve.
- Lead implantation and extraction issues.
- Hemodynamic optimisation and CRT

### SPECIAL EVENT SOKOLOV

**Inaugural Session**

Followed by a Networking Reception in the exhibition
Monday 19 June 2017

E-HEALTH SUMMIT
EDUCATIONAL TRACK
41ST MEETING OF THE ESC WORKING GROUP ON CARDIAC CELLULAR ELECTROPHYSIOLOGY

8:30 - 10:00 SPECIAL SESSION SOKOLOV
Late Breaking Trial Session
Presenters from around the world will share the very results of their trials.

8:30 - 10:00 SYMPOSIUM SENNING
Best research by young electrophysiologists
In this session young EPs will present their best published research papers in 2016-2017

8:30 - 10:00 HOW-TO SESSION WENCKEBACH
Atrial flutter: more than one of a kind
Educational Track
- Understanding the surface ECG in atrial macro-re-entrant tachycardia.
- Electrophysiologic assessment, activation and entrainment mapping.
- Scar related atrial macro-re-entrant tachycardia in the right atrium.
- Atrial macro-re-entrant tachycardia after atrial fibrillation ablation.

8:30 - 10:00 HOW-TO SESSION MOBITZ
How to ablate PVCs: From the RVOT to the aortic cusp and beyond
Joint Session with the Japanese Heart Rhythm Society (JHRS)
- Localisation of the source.
- RVOT and LVOT.
- Ablation at uncommon sites.
- Ablation of epicardial origine

8:30 - 10:00 SYMPOSIUM MIROWSKI
Sinus rhythm is better than atrial fibrillation: the “rate vs. rhythm” studies revisited in the era of ablation
- What do the “rate vs. rhythm control” studies really tell us?
- Ablate atrial fibrillation to improve quality of life.
- Ablate atrial fibrillation to improve CHF and prevent ICD shocks.
- Ablate atrial fibrillation to prevent stroke.

08:30 - 10:00 SYMPOSIUM FURMAN
CIED infections: emerging issues, diagnostic and therapeutic modalities
- Infection of subcutaneous ICD: not an issue?
- Leadless pacemaker infection: does it exist and how to manage?
- The antibiotic envelope: shall we use it for all implants?
- PET Scan: does it help?

08:30 - 10:00 SYMPOSIUM COUMEL
Arrhythmias and heart failure
- Atrial fibrillation and heart failure - Which condition comes first and does it affect management?
- Devices in heart failure: ethics and decision making at device implant.
- VT ablation in patients with heart failure and ICD storm - Which patients are appropriate and should we deliver a 24/07 service?
- Let’s talk about death: end of life management in patients with devices.

11:00 - 12:30 FEATURED SYMPOSIUM HIS
Translation of cardiac cellular electrophysiology
41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology

08:30 - 10:00 MAIN SESSION DAMATO
Screening for atrial fibrillation and device detected subclinical atrial tachyarrhythmias: EHRA position document
- Rationale for screening.
- Tools for screening.
- Screening strategies.
- Role of the GP, healthcare costs and patient acceptance.
- What the consensus document says?

8:30-10:00 SPECIAL SESSION ELMQUIST
Remote monitoring of implantable devices: disease management or just device management?
- OptiLink: disease management using optivol.
- REM-HF: Is weekly monitoring worthwhile?
- TRUST and IN-TIME: Hope for the future?
- Implantable monitoring-only technologies: CardioMEMS and LAPTOP.

DON'T MISS
11:00 - 12:30 SPECIAL SESSION SOKOLOV

Strong statements and controversies in EP

- LAA-occlusion does not reduce ischemic stroke!
- Panel discussion.
- Remote device monitoring does not improve outcome!
- Panel discussion.
- VT ablation does not reduce mortality!
- Panel discussion.

11:00 - 12:30 MEET THE EXPERTS SENNING

Young meets experienced – A case based session by the EHRA Young EP

This session will encompass intriguing cases moderated by experienced EPs.

11:00 - 12:30 HOW-TO SESSION WENCKEBACH

AV-nodal-re-entrant tachycardia: effective and safe modification
AV-nodal conduction

Educational Track

- Understanding the AV-node: anatomy, fluoroscopic anatomy and catheter positions.
- Basic assessment of AV-nodal conduction properties and of different input mechanisms into the AV node.
- Target sites for AV-node modification.
- Catheter ablation of atypical AVNRT.

11:00 - 12:30 SYMPOSIUM MOBITZ

Antiarrhythmic therapy in patients on ventricular assist devices

Joint Session with Acute Cardiovascular Care Association (ACCA)

- Acute mechanical support as part of arrhythmia management.
- LVAD technologies now and in the future.
- Ablation in LVAD patients.
- CIEDs and LVAD patient.

11:00 - 12:30 DEBATE SESSION MIROWSKI

Controversies in ablation therapy: asymptomatic atrial fibrillation and atrial fibrillation in heart failure

- Patients with paroxysmal atrial fibrillation should undergo ablation, even if asymptomatic, to prevent stroke and life-long anticoagulation - PRO.
- Patients with paroxysmal atrial fibrillation should undergo ablation, even if asymptomatic, to prevent stroke and life-long anticoagulation - CONTRA.
- Ablation of atrial fibrillation should be used frequently in heart failure - PRO.
- Atrial fibrillation ablation is rarely needed in heart failure - CONTRA.

11:00 - 12:30 FEATURED SYMPOSIUM FURMAN

Carmeliet-Coraboeuf-Weidmann lecture

41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology

11:00 - 12:30 SYMPOSIUM COUMEL

Management of patients with atrial fibrillation: role of nurses and AHPs

- The ESC 2016 guidelines on the management of atrial fibrillation: what’s in it for nurses and AHPs?
- Atrial fibrillation and ablation therapy: who gains most benefit: the electrophysiologist or the patient?
- Post-discharge ECG Holter monitoring in recently hospitalised individuals with chronic atrial fibrillation to enhance therapeutic monitoring and identify potentially predictive phenotypes.
- What do patients with atrial fibrillation want from services? The patient perspective.

11:00 - 12:30 SYMPOSIUM HIS

Alternative pacing sites to prevent heart failure

- His bundle pacing rationale technique and results.
- RV outflow tract and RV septal pacing.
- CRTp in brady indications.
- How to avoid tricuspid damage by pacing.

11:00 - 12:30 MAIN SESSION DAMATO

Antithrombotic therapy in valvular atrial fibrillation: joint position document from EHRA and WG thrombosis

- Epidemiology of valvular atrial fibrillation and implications for stroke/thromboembolism.
- Evidence for antithrombotic therapy from trials.
- Evidence for antithrombotic therapy from observational cohorts.
- Mechanical heart valves, bioprostheses, TAVI.
- What the consensus document says.

11:00 - 12:30 SYMPOSIUM ELMQUIST

The power of electronic health records and computational technologies

e-Health Summit

With the contribution of the ESC WG e-cardiology and the EHRA Study Group e-health and digital rhythm

- Genetics of Long QT and electronic health records.
- Computational prediction of acquired Long QT and drug-induced Torsades de Pointes.
- In silico assessment of cardiac safety of anti-arrhythmic drugs
- Long QT in digital ECG of general population: significance and genetics.
Monday 19 June 2017

14:00 - 15:30 SYMPOSIUM SOKOLOV

ICD therapy in inherited cardiac disorders: indications and identification of the best system for the appropriate patient

- ICD therapy in J Wave syndrome.
- ICD therapy in LQTS.
- ICD therapy in ARVC.
- ICD in athletes - Special consideration.

14:00 - 15:30 SYMPOSIUM SENNING

The future is just ahead: young electrophysiologist initiatives of the world

Joint Session with EHRA – HRS – SOLEACE – Brazil - APHRS

- EHRA: our view on AF ablation. Discussion.
- HRS: our view on heart failure implants. Discussion.
- SOLEACE: our view on VT ablation. Discussion.
- APHRS: our view on stroke prevention. Discussion.
- Questions and Answers.

14:00 - 15:30 HOW-TO SESSION WENCKEBACH

WPW Syndromes revisited: from the ECG to AP-potentials

Educational Track

- Where is the pathway: precise AP localization from the surface ECG.
- Electrophysiologic assessment of accessory pathway conduction properties.
- Identification of successful ablation sites: AP potentials and other criteria.
- Variants of pre-excitation: the wired and tough stuff.

14:00 - 15:30 HOW-TO SESSION MOBITZ

Innovative implants for heart failure patients

Mobile App - Voting session

- Spinal cord neuromodulation.
- Vagal stimulation devices.
- Intracardiac shunt devices.
- Leadless technology for CRT.

Monday 19 June 2017

14:00 - 15:30 SYMPOSIUM MIROWSKI

Subclinical atrial fibrillation: how much is too much?

- Multiple APCs as precursors of atrial fibrillation.
- How to screen for atrial fibrillation in high risk population.
- Device detected atrial fibrillation: how much is too much?
- Subclinical atrial fibrillation in cryptogenic stroke.

14:00 - 15:30 SYMPOSIUM FURMAN

Pacing indications - State of the art 2016

Joint Session with the Cardiac Arrhythmia Society of Southern Africa (CASSA)

- Carotid sinus and vasovagal syncope.
- Sinus node dysfunction.
- Bundle branch block.
- Mode Selection and the role of different pacing minimisation algorithms.

14:00 - 15:30 SYMPOSIUM COUMEL

Allied health professional role development in arrhythmia diagnosis and management

- Nurse-led palpitations diagnostic clinics: the middlesbrough experience.
- Remote monitoring: getting the best out of your remote clinics.
- Novel interventions to improve the arrhythmia patient pathway: do we have evidence of effectiveness?
- Post ablation follow-up and the importance of risk factor management: a job for a doctor or an advanced nurse practitioner?

14:00 - 15:30 MAIN SESSION DAMATO

Scientific documents from EHRA

- Management of arrhythmias in hypertension.
- Arrhythmias in grown up congenital heart disease.
- Device detected subclinical atrial tachyarrhythmias: what’s the evidence.
- Device detected subclinical atrial tachyarrhythmias: what the consensus document says.
<table>
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<tr>
<th>Time</th>
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| 14:00 - 15:30 | SPECIAL SESSION               | ELMQUIST  
**The role of the ever growing amount of data: smart data will improve the quality of care**  
*E-Health Summit*  
With the contribution of the ESC WG e-cardiology and the EHRA Study Group e-health and digital rhythm  
- Data derived from wearables.  
- Deriving clinically relevant information from big data.  
- Google’s deep mind and Innovation in healthcare.  
- IBM’s Watson: Innovation to improve Innovation. |
| 16:30 - 18:00 | SYMPOSIUM                      | SOKOLOV  
**Learning from the expert: CRT implantation techniques**  
- How to perform peripheral and coronary venoplasty for LV lead implantation.  
- The use of snaring techniques in CRT.  
- How to minimise fluoroscopy in CRT implantation.  
- Techniques for LV andocardial implantation. |
| 16:30 - 18:00 | SYMPOSIUM                      | SENNING  
**Practical approaches in the catheter ablation of complex arrhythmias**  
- Current approaches of persistent atrial fibrillation ablation: my preferred approach.  
- Catheter ablation in congenital heart disease: my preferred approach.  
- Epicardial catheter ablation of ventricular arrhythmias: my preferred approach.  
- Current approaches of ischemic ventricular tachycardia ablation: my preferred approach. |
| 16:30 - 18:00 | SYMPOSIUM                      | WENCKEBACH  
**The ECG and the risk of sudden death**  
*Educational Track*  
- Case 1. Preexcitation syndromes.  
- Case 2. Abnormal repolarization syndromes.  
- Case 3. ECG in structural heart disease and high risk of sudden death. |
| 16:30 - 18:00 | MAIN SESSION                   | MOBITZ  
**Newer devices: coming soon in the arena of clinical practice?**  
- Combined subcutaneous ICD and leadless VVI pacemaker: coming soon?  
- Leadless VDD pacemaker: coming soon?  
- Thoracoscopic access to LV epicardial pacing: coming soon?  
- Leadless LV pacing: coming soon?  
- Pulmonary pressure monitoring: coming soon? |
| 16:30 - 18:00 | SYMPOSIUM                      | MIROWSKI  
**New strategies for prediction, prevention and treatment of atrial fibrillation**  
*Joint Session with the Asia Pacific Heart Rhythm Society (APHRS)*  
- Drugs for atrial fibrillation in 2017: what’s new?  
- Life style changes and sleep apnoea treatment.  
- Ablation therapy in 2017 – Any major breakthrough?  
- Genetic risk prediction of atrial fibrillation. |
| 16:30 - 18:00 | SYMPOSIUM                      | FURMAN  
**Conduction and pacing induced cardiomyopathy**  
- Overt anteroseptal accessory pathway induced heart failure.  
- Mechanisms and Pathophysiology of RV pacing induced CMP.  
- Prevention of CMP by: RV septal pacing, RVOT pacing, his bundle pacing.  
- Treatment- Results of upgrade to CRTP or CRTD. |
| 16:30 - 18:00 | SYMPOSIUM                      | COUMEL  
**Tips for service development presentations and publishing results – Potential abstract development**  
- Identifying a need for development: the importance of data.  
- Service evaluation: The Dundee arrhythmia service experience.  
- Presenting your project: how to choose which meeting and which journal to submit to.  
- Why bother? Impact of sharing your results both on other services and to patients. |
| 16:30 - 18:00 | FEATURED SYMPOSIUM             | HIS  
**Novel avenues for cardiac cellular electrophysiology**  
*41st Meeting of the ESC Working Group on Cardiac Cellular Electrophysiology*  
| 16:30 - 18:00 | MAIN SESSION                   | DAMATO  
**Atrial fibrillation ablation update, joint document with HRS**  
- Indications for catheter ablation.  
- Strategies, techniques, and endpoints.  
- Procedural aspects, anticalgulation and complications.  
- Clinical trial design.  
- Key take home messages and general discussions. |
Monday 19 June 2017

16:30 - 18:00 SYMPOSIUM ELMQUIST

The asymptomatic athlete with abnormal EGC: all sports forbidden?

Joint Session with the European Association for Cardiovascular Prevention & Rehabilitation (EACPR)

- Asymptomatic athlete with mild hypertrophic cardiomyopathy: unanimous disqualification?
- Athlete with asymptomatic ARVD: any sports?
- Athlete with significant bradycardia.
- Athlete with asymptomatic ventricular arrhythmias.

Tuesday 20 June 2017

SCIENTIFIC PROGRAMME

For more information, check the most up to date programme on:

Scientific Programme & Planner:
www.escardio.org/EUROPACE

The ‘EHRA 2017’ Mobile App
available on App Store® / Google play
Tuesday 20 June 2017

**EDUCATIONAL TRACK**

**INNOVATION TRACK**

8:30 - 10:00 MAIN SESSION  
**SOKOLOV**

**How to improve the benefits of CRT?**

- By use of MRI for selection of candidates.
- By AV and VV intervals optimisation.
- By multisite or multipoint pacing.
- By extending device longevity.

8:30 - 10:00 SPECIAL SESSION  
**SENNING**

**LIVE SESSION I : Focus on AF ablation**

- Live Case from Linz: AT post AF ablation.
- Live Case from Leipzig: AF ablation.
- New technologies for AF ablation.

8:30 - 10:00 SYMPOSIUM  
**WENCHEBACH**

**SVT ablation: from the rare to the difficult: a case based tutorial**

**Educational Track**

- Ablation of PJRT and Mahaim-Fibers: still a challenge.
- When ablation of AVNRT becomes difficult: This is what you need to know.
- Paraseptal pathways: tips and tricks how to avoid AV-block.

8:30 - 10:00 SYMPOSIUM  
**MOBITZ**

**Left atrial appendage occlusion: state of the art 2017**

Learn how experts approach the occlusion of the left atrial appendage to prevent stroke in non-valvular atrial fibrillation with emphasis on the pros and cons of the different technologies available in 2017.

- Endocardial left atrial appendage occlusion is not as effective as warfarin to prevent ischemic stroke.
- Endocardial left atrial appendage occlusion is as effective as warfarin to prevent ischemic stroke.
- Surgical approaches preventing stroke.
- Lariat suture delivery device: not only for stroke prevention.

8:30 - 10:00 SPECIAL SESSION  
**MIROWSKI**

**Innovations for better patient care: reports from the EHRA Innovation Forum**

**Innovation Track**

- The near future potential of genetics.
- The near future developments in pharmacological therapies.
- The near future of precision medicine.
- The near future applications of computer modeling.

8:30 - 10:00 SYMPOSIUM  
**FURMAN**

**Device programming for pacing in special scenarios and populations**

- Neuro-muscular diseases.
- When is pacing indicated in hypertrophic CMP?
- Pacing in 1st degree AV Block.
- Pacing in patients with unexplained syncope.

8:30 - 10:00 SYMPOSIUM  
**COUMEL**

**Anticoagulation for non-valvular atrial fibrillation in 2017**

**Joint Session with the Heart Rhythm Society (HRS)**

- What is the correct definition of “non-valvular” atrial fibrillation?
- Permanent atrial fibrillation with CHADS-VASC score= 1: nothing, aspirin or anticoagulate?
- Anticoagulant should be prescribed for Atrial fibrillation in stage IV-V kidney disease.
- Anticoagulant should NOT be prescribed for Atrial fibrillation in stage IV-V kidney disease.

8:30 - 10:00 SYMPOSIUM  
**HIS**

**New technologies for prolonged ECG monitoring: how, when and for whom?**

- Multi-day and multi-week ECG recording systems.
- Implantable Loop recorders.
- Mobile phone ECG applications and wearables.
- Novel characteristic of ECG morphology for arrhythmia prediction.

8:30 - 10:00 SYMPOSIUM  
**DAMATO**

**Medical treatment of channelopathies: effective and safe?**

- Quinidine for Brugada and what to do with Quinidine intolerance.
- Ranolazine for LQT3: Treatment that found it’s disease?
- Beta-blockers for LQT3: Contraindicated, acceptable or the drug of choice?
### Tuesday 20 June 2017

**8:30 - 10:00**
**MAIN SESSION**  
**ELMQUIST**

**Hypertrophic cardiomyopathy genetics and clinical management**
- Diagnostic and prognostic role of genotyping in HCM.
- Atrial fibrillation and outcome in HCM: the American approach.
- Ablation in HCM.

**11:00 - 12:30**
**DEBATE SESSION**  
**SOKOLOV**

**Strenuous fights on CRT**
- Cardiac resynchronization therapy in the next years: CRT-P will be the preferred device.
- Cardiac resynchronization therapy in the next years: CRT-D will be the preferred device.
- Only LBBB is eligible to CRT.
- Improving the criteria of candidacy for CRT: Wide QRS only for eligibility to CRT.

**11:00 - 12:30**
**SPECIAL SESSION**  
**SENNING**

**LIVE SESSION II : MRI interventional suites and MRI-guided ablation**
- Live Case: MRI interventional suites: catheter ablation in the MRI.
- Live Case from Leipzig: VT ablation guided by MRI-based channel detection
- Lecture: MRI applications in arrhythmia patients.

**11:00 - 12:30**
**HOW-TO SESSION**  
**WENCKEBACH**

**Ablation of atrial macroreentrant tachycardia: tips and tricks**
- What to know about atrial anatomy for atrial flutter ablation.
- How to ablate scar-related flutter after cardiac surgery.
- How to prove reentry circuits and ablate post-PVI macroreentrants.
- Ablation of post-Maze arrhythmias.

**11:00 - 12:30**
**SYMPOSIUM**  
**MOBITZ**

**Approach to atrial fibrillation patients: highlights from Central-Eastern Europe**
- Radiofrequency ablation with with 3D electroanatomical mapping in pts with atrial fibrillation, why and when is always my first approach: clinical recommendations.
- Vein isolation by cryoballoon: how to read electrical signals from pulmonary veins?
- Atrial fibrillation in patients with ICD/CRTD: therapy issues and programming recommendations.
- ICD for prevention of SCD: lessons learned from ICD for life initiative.

**11:00 - 12:30**
**SYMPOSIUM**  
**DAMATO**

**Pharmacological therapy in AF**
- The current role of Dronedarone.
- Ranolazine – mechanism and clinical results in AF.
- Atrial-specific antiarrhythmic agents.
- Non anti arrhythmic pharmacological therapy for maintenance of sinus rhythm.
### Tuesday 20 June 2017

#### 11:00 - 12:30 SYMPOSIUM ELMQUIST

**Back to nature? The rise of biologicals to replace catheters, drugs and devices in antiarrhythmic therapy**

- The biopacemaker - ready for application in humans?
- Biological ablation of atrial and ventricular arrhythmias.
- Deciphering arrhythmia mechanisms using human iPSC-derived cardiomyocytes.
- Electrically active antibodies: emerging roles in pathophysiology and antiarrhythmic therapy.

#### 14:00 - 15:30 MAIN SESSION SOKOLOV

**CRT implants: nightmares in the lab**

- Impossible coronary sinus cannulation and coronary sinus dissection: what to do?
- Indication and technical aspects of epicardial LV Implantation.
- Left persistent superior vena cava: what to do?
- Instability of the LV lead and phrenic nerve stimulation: what to do?

### Tuesday 20 June 2017

#### 14:00 - 15:30 SYMPOSIUM MOBITZ

**Hybrid ablation in persistent atrial fibrillation: the ultimate heart team approach**

*Joint Session with Chinese Society of EP*

- Pathophysiological aspects of persistent atrial fibrillation relevant to ablation.
- Evolution of surgical ablation of atrial fibrillation.
- Rationale for a hybrid surgical and catheter ablation approach for persistent AF.
- Long-term outcome in hybrid ablation of atrial fibrillation.

#### 14:00 - 15:30 SPECIAL SESSION SENNING

**LIVE SESSION III: Focus on VT ablation**

- Live Case from Linz: high density mapping for ablation of post MI VT.
- Live Case from Leipzig: Epi-endocardial mapping and ablation of VT in NICM.
- New techniques and technologies for VT ablation.
- Discussion panel.

#### 14:00 - 15:30 SYMPOSIUM FURMAN

**CIEDs after cardiac procedures**

*Joint session with the European Association of Percutaneous Cardiovascular Interventions (EAPCI)*

- Predictors and timing of pacemaker implantation after surgical valvular procedures.
- CIEDS following tricuspid surgical procedures.
- Pacing after TAVI: the interventional view point.
- Pacing after TAVR: the electrophysiologist view point.

#### 14:00 - 15:30 HOW-TO SESSION WENCKEBACH

**EP fundamentals: what everyone should know**

*Educational Track*

- The world of entrainment: a must for everyone.
- Stimulation manoeuvres for differentiation between SVTs.
- Stimulation manoeuvres for differentiation of VT from VT.
- Differential pacing and other modes to prove conduction block: how does it work?

#### 14:00 - 15:30 SYMPOSIUM DAMATO

**Is it worth the money? Cost-effectiveness in electrophysiology**

*Comparative cost-effectiveness of atrial fibrillation ablation versus pharmacological therapy.*
- Patient compliance and outcomes of pharmacological therapy and atrial fibrillation ablation.
- Commissioning and reimbursement of atrial fibrillation ablation in Europe.
- The role of the ESC Health Policy: relevance to electrophysiology and cardiac device practice.
**Tuesday 20 June 2017**

14:00 - 15:30  **MAIN SESSION**  **ELMQUIST**  

**Late sodium current and cardiac arrhythmias: a basic and translational update**
- Molecular and biophysical mechanisms underlying late sodium current.
- Late sodium current and atrial fibrillation.
- Late sodium current and arrhythmogenesis during heart failure.
- Pharmacological late INa inhibition in inherited arrhythmias.

16:30 - 18:00  **MAIN SESSION**  **SOKOLOV**

**CRT: widening of the QRS or widening of the indications?**
- Joint Session with the Heart Failure Association of the ESC (HFA)
  - CRT in NYHA IV: never? sometimes?
  - CRT in patients with valvular heart disease: when? what results?
  - CRT in diastolic dysfunction: never? sometimes?
  - CRT in special situation NYHA I / at first detection of heart failure.

16:30 - 18:00  **SYMPOSIUM**  **SENNING**

**Practical management approaches of female patients with challenging arrhythmias**
- Mobile App - Voting session
  - My practical approach to treatment of female patients with Brugada syndrome.
  - My practical approach to catheter ablation of atrial fibrillation in female patients.
  - My practical approach of PM/ICD implantation in female patients.
  - My practical approach of lead extraction in female patients.

16:30 - 18:00  **SYMPOSIUM**  **WENCKEBACH**

**Burning issues in catheter ablation in 2017**
- Educational Track
  - How to reduce or eliminate radiation exposure.
  - Cryoablation or radiofrequency: What is best for AVNRT and paraseptal pathways?
  - Ablation of asymptomatic accessory pathways: is it really necessary?
  - Is there any role for typical isthmus flutter ablation without PVI?
Tuesday 20 June 2017

16:30 - 18:00 SYMPOSIUM DAMATO

Improving efficacy in the EP lab: work flow, process optimisation and economical balance

- The value of improved work flow: process optimization medicine.
- Understanding economics in EP: benchmarks, costs and reimbursement.
- A view from the Industry.
- Cost impact and cost-effectiveness of ablation and device therapy compared to other medical therapies.

16:30 - 18:00 DEBATE SESSION ELMQUIST

Data and evidence in ICD and CRT patients: what’s the value?

- Subanalyses in CRT: should they be trusted? - PRO.
- Subanalyses in CRT: should they be trusted? - CONTRA.
- It is time to reassess current ICD indications by controlled studies - PRO.
- It is time to reassess current ICD indications by controlled studies - CONTRA.

Wednesday 21 June 2017

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**EDUCATIONAL TRACK**

**INNOVATION TRACK**

**8:30 - 10:00 HOW-TO SESSION MOBITZ**

**Keep cool: expert approaches for atrial fibrillation cryo ablation**

*Educational Track, Mobile App - Voting session*

- Patient selection for atrial fibrillation cryo ablation.
- Procedural aspects: how to place the balloon best in difficult anatomies?
- Safety aspects: how to avoid complications.
- Cryo ablation in persistent atrial fibrillation: where do we stand?

**8:30 - 10:00 HOW-TO SESSION MIROWSKI**

**What’s the future of ICD therapy**

*Innovation Track*

- New technologies: smaller devices, novel implantation strategies, better longevity and less complications?
- Implantable assist devices will supplement or replace the ICD?
- Ablation technology will supplement or replace the ICD?
- New indications for primary prevention at the horizon?

**8:30 - 10:00 SYMPOSIUM FURMAN**

**Falling down: Asystolic syncope**

- Seizure and asystole: the hen and egg dilemma.
- Pacing for ictal asystole.
- Asystole in reflex syncope.
- Asystole caused by conduction disturbances.

**8:30 - 10:00 SYMPOSIUM COUMEL**

**Athlete with abnormal ECG: the experts’ approach in 2017**

*Joint Session with the Sociedad Latinoamericana de Estimulacion Cardiaca y Electrofisiologia (SOLAECE)*

- Athlete with ventricular arrhythmia.
- Athlete with borderline, short or long QT.
- Athlete with AF, SVT and WPW.
- Athlete with J wave syndromes.

**8:30 - 10:00 SYMPOSIUM HIS**

**Cost effectiveness of device telemonitoring is it worth it ?**

- Tele-rehabilitation strategy after acute coronary syndromes.
- Remote management of patients with chronic heart failure: nurse or device?
- Remote monitoring of pacemakers / ICDs to detect clinically important silent atrial fibrillation episodes.
- Remote diagnosis of previously undocumented palpitations: is it feasible?

**8:30 - 10:00 HOW-TO SESSION DAMATO**

**New frontiers and indications for catheter ablation**

- Sinus node modification in heart failure patients.
- Ablation in or of brugada syndrome?
- Ablation of ventricular fibrillation.
- Transcutaneous ablation of arrhythmias.

**10:05 - 10:55 SPECIAL EVENT AGORA**

**Awards Ceremony**

Come and support the finalist!

**11:00 - 12:30 SPECIAL SESSION MOBITZ**

**Congress Highlights**

*NEW THIS YEAR* Experts will summarise the highlights of the congress by topic. Don’t miss this session to get an overview of this year’s congress!
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