The Organizing Committee of ECAS 2018 and the Board of ECAS wish to thank the companies which support our Congress with an educational grant.

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This program is endorsed by Aix-Marseille University
Dear Colleagues,

This is an invitation to join us at the Fourteenth Annual Scientific Congress of the European Cardiac Arrhythmia Society “ECAS 2018” to be held in Paris, France April 15 to 17, 2018 at the Meridien-Etoile Hotel (Porte Maillot). All those who attended previous editions of ECAS Congress know that it is a highly scientific and educational event in a cheerful atmosphere which facilitates interaction between the renowned Faculty and the audience which is particularly appreciated by fellows. This edition promises to be successful and we will be delighted to have you among us in Paris next April.

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*In memoriam
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*In memoriam

Abstract Selection

Each abstract has been sent to 8 reviewers and been evaluated by a minimum of 4 of them.
The Organizing Committee would like to thank the abstract reviewers for their valuable help in abstract selection for the ECAS 2018 program:

Etienne Aliot; Matteo Anselmino; Elad Anter; David Benditt; Tina Baykaner; Jean-Jacques Blanc; Noel Boyle; Günter Breithardt; Hugh Calkins; Leonardo Cali; John Camm; David Cannom; Antony Chu; Wyn Davies; Roberto De Ponti; Nils Edvardsson; John Fisher; Ellen Hoffmann; Michel Janse; Prapa Kanagaratnam; Suraj Kapta; David Keane; Helmut Klein; Thorsten Lewalter; Bruce Lindsay; Maurizio Lunati; William McKenna; Michael Nääbauer; Yuji Nakazato; Sanjiv Narayan; Brian Olshansky; Antonio Raviele; Andrea Russo; Sanjeev Sakseena; Walid Saliba; Massimo Santini; Robert Schweikert; Dipen Shah; Mohammed Shenasa; Gerhard Steinbeck; Ernst Vester; Pugazhendhi Vijayaraman; Reza Wakili; Albert Waldo; Roger Winkle.

Abstract Presentation

The abstracts accepted for oral or poster presentation will be published in a supplement issue of the Journal of Interventional Cardiac Electrophysiology (JICE), the official journal of ECAS provided the authors attend the congress and present their work.
The oral presentation of abstracts is 10 minutes plus 5 minutes for discussion.
All posters accepted for presentation will be chaired. Please to check the day and time at which your poster will be presented to the chairpersons and the time at which the presenters should be near their poster board.
Abstract Awards

Presentation of the Awards for the Best Oral Abstracts will take place during the Opening Ceremony on Sunday April 15, 2018 in Room Wagram B (Hotel Meridien-Etoile) starting at 5:30PM.

Presentation of the Awards for Best Poster Presentations will take place on Tuesday April 17, 2018 12:00 PM-12:30 PM.

Roome Dames

Publication

JICE
(Journal of Interventional Cardiac Electrophysiology)
is the official Journal of the European Cardiac Arrhythmia Society

Sanjeev Saksena, MD
JICE Editor-in-Chief

Leonardo Calo, MD
ECAS JICE co-Editor

General information

Congress venue
Hotel Le Meridien-Etoile
81 Boulevard Gouvion Saint Cyr
75848 Paris Cedex 17
Tel: +33 (0)1 40 68 34 34
www.lemeridienetoile.com

Badges
Badges and Final Program will be available for pre-registered participants and Faculty at the ECAS Welcome Desk, Hotel Meridien-Etoile, Paris starting Saturday April 14, 2018 from 2:00 PM to 5:00 PM

ECAS Congress Secretariat
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Cell: +336 26 07 55 74
E-mail: josette.razafimbelo@sfr.fr

Registration
Registration and payment of Congress fees as well as payment of Membership dues can be done through the website. Registration on site will start on Sunday April 15, 2018 from 7:30 AM to 5:00 PM at Hotel Meridien-Etoile (Lobby).

Currency
Payment in cash for registration on site must be made in euros only. Payment using Visa credit cards will be accepted on the Congress site. Personal checks cannot be accepted.

Congress Website
All information, Scientific Program and Registration to the congress, Abstract submission and Membership subscription with secured payment can be done through our website http://www.ecas-heartrhythm.org

Scientific Program
The Program includes pre-arranged sessions and workshops or debates. It can be downloaded from our website as well as the Program of Abstracts selected for oral or poster presentations. The time allotted to Faculty presentation is 22 minutes including discussion when the session includes 4 speakers and 18 minutes including discussion in the 5 speaker sessions.

Insurance
The Organizing Committee of ECAS cannot accept liability related to injuries or loss or damage of property belonging to congress participants and accompanying persons either during or occurring after the congress.
## Program at a Glance ECAS 2018

### Sunday April 15, 2018

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<th>Time</th>
<th>Session/Activity</th>
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<td>08:00 am - 05:00 pm</td>
<td>Registration</td>
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<td>08:30 am - 10:00 am</td>
<td>Concurrent Workshops:</td>
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<td>Room WGRAM B</td>
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<tr>
<td>Session WS-06</td>
<td>Session WS-01</td>
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<tr>
<td>LAA</td>
<td>Syncope</td>
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<td>10:30 am - 12:00 pm</td>
<td>Concurrent Abstract Sessions:</td>
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<tr>
<td>Room WGRAM B</td>
<td>Room COURCELLES</td>
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<tr>
<td>12:15 pm - 01:45 pm</td>
<td>Sunday April 15, 2018 - Room WGRAM A Luncheon Panel</td>
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<tr>
<td></td>
<td>Supported by a grant from Boehringer Ingelheim</td>
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<tr>
<td>02:00 pm - 03:30 pm</td>
<td>Concurrent Workshops:</td>
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<tr>
<td>Room COURCELLES</td>
<td>Room WGRAM B</td>
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<tr>
<td>Session SP-01</td>
<td>Session HD-01</td>
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<tr>
<td>Anticoagulation</td>
<td>AF in HF</td>
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<tr>
<td>03:30 pm - 04:00 pm</td>
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<tr>
<td>04:00 pm - 05:30 pm</td>
<td>Concurrent Workshops:</td>
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<tr>
<td>Room COURCELLES</td>
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<tr>
<td>Session SP-05</td>
<td>Session HD-02</td>
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<tr>
<td>NOACs</td>
<td>Ventricular arrhythm. in HD</td>
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<tr>
<td>05:30 pm - 07:00 pm</td>
<td>Room WGRAM B Opening ceremony</td>
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<td></td>
<td>OUTSTANDING ACHIEVEMENT AWARDS AND BEST ORAL ABSTRACTS</td>
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<td></td>
<td>Followed by a drink of friendship</td>
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</tbody>
</table>
## Monday April 16, 2018

### Coffee break and visit to posters

### Concurrent Abstract Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Room COURCELLES</th>
<th>Room DAMES</th>
<th>Room DEBARCADERE</th>
<th>Room PINETTES</th>
<th>Room REMBRANDT</th>
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<tr>
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<td>Session HD-03</td>
<td>Session AB-03</td>
<td>Session SP-09</td>
<td>Session SP-10</td>
<td>Session SP-11</td>
<td>Chaired poster session C</td>
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<tr>
<td></td>
<td>ARVD/C</td>
<td>AF ablation</td>
<td>Surface ECG</td>
<td>Mechanisms of CA</td>
<td>CRT</td>
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</tbody>
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### Luncheon Panel

Supported by a Grant from Bayer AG

### Coffee break and visit to posters

### Debate 1

**Room COURCELLES**

PVI in heart failure patients with AF should be first line therapy

### Debate 2

**Room DAMES**

CRT responders can be predicted using a pre-defined score (L2ANDS2)

### Debate 3

**Room PINETTES**

The guidelines on primary prevention ICD in non-ischemic cardiomyopathy should be revised

### Debate 4

**Room DEBARCADERE**

Despite the progress in technologies for AF catheter ablation, the success rates have not shown significant improvement

---

### Monday April 16, 2018 – Room COURCELLES

**Special Lecture:** *Mark Josephson* by Francis Marchinski (Philadelphia, USA)

“The 12 lead ECG as a tool for Ventricular Tachycardia Mapping”
### PROGRAM AT A GLANCE ECAS 2018

#### TUESDAY APRIL 17, 2018

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<th>Time</th>
<th>Concurrent Sessions</th>
<th>Abstract Sessions</th>
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<td>Room DEBARCADE</td>
<td>Oral Abstract 13</td>
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<td>Room EPINETTES</td>
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<td>Room MONTENOTTE</td>
<td>Oral Abstract 15</td>
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<tr>
<td>10:00 am - 10:30 am</td>
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<td>Coffee break</td>
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<tr>
<td>10:30 am - 12:00 pm</td>
<td>Room DAMES</td>
<td>Session SP-18</td>
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<td>Room MONTENOTTE</td>
<td>Session SP-21</td>
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<td>12:00 pm - 12:30 pm</td>
<td>Room DAMES</td>
<td>CRT</td>
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<td>AF ablation</td>
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<td>ICD</td>
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<td>SCD</td>
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<td>Room DAMES</td>
<td>Best Poster Awards</td>
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</tbody>
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### Conference Rooms

[Map of Conference Rooms]
SUNDAY APRIL 15, 2018
8:30 AM - 10:00 AM
ROOM WAGRAM B
Workshop WS-06

Left atrial appendage (LAA) occlusion: imaging before, during and after the procedure
Chairpersons: John Camm (London, GB), Charles Jazra (Beirut, LB)

1. The ideal occluder device
   Oussama Wazni (Cleveland, USA)

2. Surgical versus percutaneous LAA exclusion
   Walid Saliba (Cleveland, USA)

3. The ideal patient for LAA occlusion
   Thorsten Lewalter (Munich, DE)

4. Outcome in high risk patients
   Andrea Natale (Austin, USA)

SUNDAY APRIL 15, 2018
8:30 AM - 10:00 AM
ROOM COURCELLES
Workshop WS-01

Syncope in patients with heart disease: case studies and keynote lecture
Chairpersons: David Benditt (Minneapolis, USA), Ali Oto (Ankara, TR)

1. Syncope in a patient with an ICD (15min)
   Noel Boyle (Los Angeles, USA)

2. Syncope in a patient with hypertrophic cardiomyopathy (15min)
   Michael Nabauer (Munich, DE)

3. Syncope in a patient with cardiac sarcoidosis
   Sam Hanon (New York City, USA)

4. Syncope in a patient with dilated cardiomyopathy (15min)
   Nils Edvardsson (Gothenburg, SE)

5. Special lecture: prognosis of patients with cardiovascular syncope (20min)
   Haruhiko Abe (Kitakyushu, JHRS)

SUNDAY APRIL 15, 2018
8:30 AM - 10:00 AM
ROOM DAMES
Workshop WS-02

ECG pacemaker and CRT dysfunction (case studies)
Chairpersons: Eli Ovsyshcher (Beersheba, IL)

1. Bengt Herweg (Tampa, USA)
2. Promund Obel (Johannesburg, ZA)
3. Pugazhendhi Vijayaraman (Wilkes Barre, USA)
4. Brian Olshansky (Iowa City, USA)
**SUNDAY APRIL 15, 2018**

**8:30 AM - 10:00 AM**

**ROOM DEBARCADE**
**Workshop WS-03**

**AF ablation: role of new technologies**
Chairpersons: Wyn Davies (London, GB), Roberto de Ponti (Varese, IT)

1. **High density mapping**
   Mohammad Shenasa (San José, USA)

2. **Direct sense technology - learning from fish**
   Armin Luik (Karlsruhe, DE)

3. **Contact force: The TOCCASTAR study and beyond**
   Dipen Shah (Geneva, CH)

4. **Update on rotors**
   Tina Baykaner (Palo Alto, USA)

**SUNDAY APRIL 15, 2018**

**8:30 AM - 10:00 AM**

**ROOM EPINETTES**
**Workshop WS-04**

**Ablation for ventricular tachycardia: increasing clinical success**
Chairpersons: Douglas Packer (Rochester, USA), Elad Anter (Boston, USA)

1. **The understanding of what ventricular anatomy is mandatory for successful VT ablation**
   Suraj Kapa (Rochester, USA)

2. **Should MR imaging be mandatory prior to ablative intervention: what can we learn from MR integrated substrate mapping?**
   Thorsten Lewalter (Munich, DE)

3. **Is substrate-based ablation better than entrainment targeted-specific VT ablation?**
   Douglas Packer (Rochester, USA)

4. **Epicardial ablation for ventricular tachycardia: avoiding the pitfalls of related complications**
   Richard Schilling (London, GB)

**SUNDAY APRIL 15, 2018**

**8:30 AM - 10:00 AM**

**ROOM REMBRANDT**
**Workshop WS-05**

**New developments in device management**
Chairpersons: Christine Albert (Boston, USA), Andrzej Kutarski (Lublin, PL)

1. **Antibiotic Envelope For Prevention of CIED Infections**
   Khaldoun Tarakji (Cleveland, USA)

2. **Modern external cardiac monitors**
   Neil Sulke (Eastbourne, GB)

3. **Management strategies for emergent intervention for catastrophic complications during lead extractions**
   Charles Kennergren (Goteborg, SE)

4. **Impact of remote monitoring on patient outcomes**
   Giovanni Forleo (Milan, IT)
SUNDAY APRIL 15, 2018

8:30 AM - 10:00 AM
ROOM TERNES
Chaired Poster session A Part 1
Posters displayed from 08:30 am-12:00 pm
Presenters and Chairpersons present from 8:30am-10:00am

Cardiac Resynchronization Therapy (CRT)
Chairpersons: Mark Estes III (Boston, USA); Ernst Vester (Dusseldorf, DE)

16-1 Abstract 24-16
LEFT VENTRICULAR MASS PREDICTS RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY IN MEN BUT NOT WOMEN
Chad Ward 1, Hakeem Ayinde 1, Casey Adams 1, Oluwaseun Adeola 1, Josiah Zubairu 1, Musab Alqasrawi 1, Christopher Dezorzi 1, Ghanshyam Palamaner Subash Shantha 1, James Hopson 1, Gardar Sigurdsson 1, Michael Giudici 1
1 University of Iowa, Iowa City, United States

Techniques and tools for cardiac arrhythmias

16-2 Abstract 05-14
A RANDOMISED CONTROLLED TRIAL ANALYSING NOVEL ECMS IN AF MONITORING: THE REMAP-AF TRIAL
William Eysenck 1, Nick Freemantle 2, Oliver Waller 1, Rick Veasey 1, Stephen Furniss 1, Neil Sulke 1
1 Cardiology Research Department, Eastbourne General Hospital, East Sussex, United Kingdom, 2 Clinical Trials Unit, University College, London, United Kingdom

16-3 Abstract 05-11
THE USE OF A NOVEL SOFTWARE-BASED DATA MANAGEMENT SYSTEM TO STREAMLINE REMOTE MONITORING WORKFLOW IN THE EVALUATION OF IMPLANTABLE LOOP RECORDERS (ILR)
Kevin Campbell 1, Jason Hale 1, Noemi Ray 1
1 PaceMate, Raleigh, United States

16-4 Abstract 06-13
THE UTILITY AND EFFECTIVENESS OF AUTOMATED REMOTE MONITORING OF DEVICES AFTER HOURS (WEEKENDS AND HOLIDAYS)
Kevin Campbell 1
1 PaceMate, Raleigh, United States

16-5 Abstract 22-12
FLUOROSCOPY TIMES IN ELECTROPHYSIOLOGY AND DEVICE PROCEDURES: IMPACT OF SINGLE FRAME LOCATION FLUOROSCOPY
Vinit Sawhney 1, Holly Daw 1, Sarah Whittaker-Axon 1, Colin Allan 1, Pier Lambiase 1, Martin Lowe 1, Mark Earley 1, Simon Sporton 1, Ross Hunter 1, Richard Schilling 1, Mehul Dhinoja 1
1 Barts Heart Centre, London, United Kingdom

16-6 Abstract 05-10
ALTERING INTER-ELECTRODE DISTANCE, BUT NOT ORIENTATION, AFFECTS BIPOLAR ELECTROGRAM MORPHOLOGY
Vignesh Dhileepan 1, Konstantinos N Tzortzis 1, Ian Mann 1, Norman A Qureshi 1, Elaine Lim 2, Prapa Kanagaratnam 1, André R Simon 3, Chris D Cantwell 1, Nicholas S Peters 1, Rasheda A Chowdhury 3
1 National Heart and Lung Institute, Imperial College London, London, United Kingdom, 2 Imperial College Healthcare NHS Trust, London, United Kingdom, 3 Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom

16-7 Abstract 07-19
HEART FAILURE PHENOTYPES CAN BE PREDICTED IN EX VIVO HUMAN CARDIAC TISSUE SLICES USING ELECTROGRAM MORPHOLOGY AND MACHINE LEARNING ALGORITHMS
Konstantinos Tzortzis 1, Andre Simon 2, Filippo Perbellini 1, Cesare Terracciano 1, Rasheda A. Chowdhury 1, Nicholas S. Peters 1, Chris D. Cantwell 1
1 Imperial College London, London, United Kingdom, 2 Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom
DEPT H - RES OLVED, REAL-TIME AND VIDEO-RATE IMAGING OF RADIOFREQUENCY ABLATION LESIONS
Erwin J. Alles 1, Richard J. Colchester 1, Yousuf Makki 1, Sacha Noimark 1, Edward Z. Zhang 1, Paul C. Beard 1, Ivan P. Parkin 1, Malcolm C. Finley 2, Adrien E. Desjardins 1
† University College London, London, United Kingdom, 2 St Bartholomew’s Hospital and Queen Mary University of London, London, United Kingdom

THE UTILITY OF SOFTWARE-BASED ARTIFICIAL INTELLIGENCE REMOTE MONITORING DATA MANAGEMENT SYSTEMS IN CIED CLINICS
Kevin Campbell 1
† PaceMate, Raleigh, United States

WHEN TO STOP PULLING DURING PERCUTANEOUS LEAD EXTRACTION: ROLE OF COLLABORATIVE MULTIDISCIPLINARY TEAM APPROACH
Gurjit Singh 1, Marc K Lahini 1, Arfaat Khan 1, Waddah Maskoun 1, Claudio D Schuger 1
† Henry Ford Hospital, Detroit, MI, United States

Mechanisms or triggers of cardiac arrhythmias

QUANTIFYING UNCERTAINTY IN A FULL ACTION POTENTIAL MODEL USING MACHINE LEARNING INFERENCE
Charles Houston 1, Rasheda A Chowdhury 1, Fu Siong Ng 1, Nicholas S Peters 1, Emmanuel Dupont 1, Chris D Cantwell 1
† Imperial College London, London, United Kingdom

ACUTE ALCOHOL CONSUMPTION AND EFFECTS ON CARDIAC EXCITATION, CONDUCTION, AND REPOLARIZATION – RESULTS FROM THE MUNICHBREW STUDY
Moritz Sinner 1, Cathrine Drobesh 1, Rebecca Herbel 1, Konstantinos Rizas 1, Steffen Massberg 1, Stefan Kääb 1, Stefan Brunner 1
† Medizinische Klinik und Poliklinik I, LMU Klinikum der Universität München, München, Germany

ANXIOUSHEART: WHEN BOTH CARDIAC AND ANXIOUS DISEASES MEET
Valérie Long 1, Marie-Claude Guertin 1, Katia Dynda 1, Judith Brouillette 1
† Montreal Heart Institute, Montreal, Canada

DOES PULMONARY VEIN SLEEVE SIZE CORRELATE WITH LOCATION OF FOCAL TRIGGERS FOR ATRIAL FIBRILLATION?
James Gabriels 1, Jonah Zeitlin 1, Mohammad Khan 1, Haisam Ismail 1, Bruce Goldner 1, Ram Jadonath 1, Apoor Patel 1, Stuart Beldner 1
† North Shore University Hospital - Northwell Health, Manhasset, United States

SUNDAY APRIL 15, 2018
10:30 AM - 12:00 PM
ROOM WAGRAM B
Abstract Oral session – 1
Catheter ablation of atrial fibrillation 1
Chairpersons: Wyn Davies (London, GB), Sanjeev Saksena (Warren, USA)

CATHETER ABLATION FOR ATRIAL FIBRILLATION ON UNINTERRUPTED NOACS: A SAFE APPROACH?
Vinit Sawhney 1, Masooma Shaukat 1, Elena Volkova 1, Qiang Yao 1, Nicola Jones 1, Waqas Ullah 1, Shoreh Honarbakhsh 1, Gurpreet Dhillon 1, Martin Lowe 1, Anthony Chow 1, Pier Lambiasi 1, Mehul Dhinoja 1, Malcolm Finlay 1, Mehul Dhinoja 1, Simon Sporton 1, Mark Earley 1, Richard Schilling 1, Ross Hunter 1
† Barts Heart Centre, London, United Kingdom
1-2  Abstract 18-15
WIDE AREA LEFT ATRIAL APPENDAGE ISOLATION FOR ATRIAL FIBRILLATION THERAPY: LONG-TERM SUCCESS AND INCIDENCE OF STROKE AND THROMBUS FORMATION
Christian Heeger 1, Andreas Rillig 1, Tobias Fink 1, Shibu Mathew 1, Roland Richard Tilz 2, Bruno Reissmann 1, Christine Lemes 1, Tilman Maurer 1, Francesco Santoro 1, Hannes Alessandrinii 1, Inge Dotz 1, Andreas Metzner 1, Karl-Heinz Kuck 1, Feifan Ouyang 1
1 Asklepios Klinik St. Georg, Hamburg, Germany, 2 Dept. of Cardiology, University of Luebek, Luebeck, Germany

1-4  Abstract 15-62
DEEP CONVOLUTIONAL NEURAL NETWORKS (CNNs) FOR IDENTIFYING ELECTROGRAM TARGETS WHERE ABLATION TERMINATES PERSISTENT ATRIAL FIBRILLATION
Mahmood Alhusseini 1, Firas Abuzaid 1, Paul Clopton 1, Mark Swerdlow 1, Natasha Maniar 1, Albert Rogers 1, Miguel Rodrigo 1, Tina Baykaner 1, Junaid Zaman 1, Christopher Kowalewski 1, Fatemah Shenasa 1, Mohan Viswanathan 1, Paul Wang 1, Wouter-Jan Rappel 1, Peter Ballis 1, Matei Zaharia 1, Sanjiv Narayan 1
1 Stanford University, Stanford, United States, 2 UCSD, San Diego, United States

1-5  Abstract 18-19
LEFT ATRIAL TACHYCARDIA CAN BE TERMINATED QUICKLY USING HIGH DENSITY MAPPING
Armin Luik 1, Tobias Oesterlein 2, Kerstin Schmidt 1, Patrick Hörmann 1, Thomas Schenk 1, Matthias Merkel 1, Claus Schmitt 1
1 Städtisches Klinikum Karlsruhe, Karlsruhe, Germany, 2 Institute of Technology, Karlsruhe, Germany

1-6  Abstract 23-19
UNRECOGNIZED VENOUS INJURIES AFTER CARDIAC IMPLANTABLE ELECTRONIC DEVICE TRANSVENOUS LEAD EXTRACTION
Khaldoun Tarakji 1, Walid Saliba 1, Danny Markavawi 1, Rene Rodriguez 1, Yoaav Krauthammer 1, Michael Brunner 1, Ayman Hussein 1, Bryan Baranowski 1, Daniel Cantillon 1, Mohamed Kanj 1, Mark Niebauer 1, Jack Rickard 1, Thomas Callahan 1, Mingyuanshao 1, David Martin 1, Oussama Wazni 1, Bruce Wilkoff 1, Carmela Tan 1
1 Cleveland Clinic, Cleveland, United States

SUNDAY APRIL 15, 2018
10:30 AM - 12:00 PM
ROOM COURCELLES
Abstract Oral session – 2

Cardiac resynchronization therapy: role of His-bundle pacing
Chairpersons: Eli Ovsyshcher (Beer-Sheba, IL), Brian Olshansky (Iowa City, USA)

2-1  Abstract 24-12
CARDIAC RESYNCHRONIZATION THERAPY UTILIZING PERMANENT HIS BUNDLE PACING IN PATIENTS WITH RIGHT BUNDLE BRANCH BLOCK AND LEFT VENTRICULAR SYSTOLIC DYSFUNCTION
Pugazhendhi Vijayaraman 1, Angela Naperkowski 1, Parikshit Sharma 2, Joseph Chan 3, Kenneth A Ellenbogen 4
1 Geisinger Heart Institute, Wilkes Barre, United States, 2 Rush University Medical Center, Chicago, United States, 3 Prince of Wales Hospital, Hong Kong, China, 4 Virginia Commonwealth University health System, Richmond, United States

2-2  Abstract 24-14
PERMANENT HIS BUNDLE PACING AS AN ALTERNATIVE TO BIVENTRICULAR PACING IN PATIENTS REQUIRING CARDIAC RESYNCHRONIZATION THERAPY
Sarah Worsnick 1, Parikshit Sharma 2, Gopi Dandamudi 2, Bengt Herweg 2, David Wilson 4, Rajeev Singh 3, Angela Naperkowski 1, Janythi Koneru 5, Kenneth Ellenbogen 5, Pugazhendhi Vijayaraman 1
1 Geisinger Health System, Plains, United States, 2 Rush University Medical Center, Chicago, United States, 3 Indiana University, Indianapolis, United States, 4 University of South Florida College of Medicine, Tampa, United States, 5 Virginia Commonwealth University Health System, Richmond, United States

2-3  Abstract 24-11
HIS-OPTIMIZED CARDIAC RESYNCHRONIZATION THERAPY (HOT-CRT): A NOVEL APPROACH TO ENHANCE CRT RESPONSE
Pugazhendhi Vijayaraman 1, Kenneth A Ellenbogen 2, Jacek Gazek 3
1 Geisinger Heart Institute, Wilkes Barre, United States, 2 Virginia Commonwealth University Health System, Richmond, United States, 3 Wroklaw Medical University, Wroklaw, Poland
2-4 Abstract 22-11
LEAD LOCATION IN RELATION TO SITE OF INTRA-HISIAN BLOCK IN SUCCESSFUL HIS BUNDLE PACING (HBP)
Sarah Worsnick 1, Pugazhendhi Vijayaraman 1
1 Geisinger Health System, Plains, United States

2-5 Abstract 23-26
PERMANENT HIS BUNDLE PACING: A SINGLE CENTER EXPERIENCE FROM AN ACADEMIC MEDICAL CENTER
Nicholas Serafini 1, Estefania Oliveros-Sole 1, Ryan Zimberg 1, Henry Huang 1, Pratik Patel 1, Kousik Krishnan 1, Richard Trohman 1, Parikshit Sharma 1
1 Rush University Medical Center, Chicago, United States

2-6 Abstract 24-10
ASSOCIATION BETWEEN OBSTRUCTIVE SLEEP APNEA AND ALL-CAUSE MORTALITY IN PATIENTS RECEIVING CARDIAC RESYNCHRONIZATION THERAPY: A RETROSPECTIVE COHORT STUDY
Ghanshyam Palamaner Subash Shantha 1, Naga Venkata Pothineni 2, Amgad Mentias 1, Taylor Rasmussen 1, Frank Pelosi 3, Hakan Oral 1, Prashant Bhave 4, Brian Olshansky 1, Mary Vaughan Sarrazin 1, Michael Giudici 1
1 University of Iowa Hospitals and Clinics, Iowa City, United States, 2 University of Arkansas, Little Rock, United States, 3 University of Michigan, Ann Arbor, United States, 4 Wake Forest University, Winston-

SUNDAY APRIL 15, 2018
10:30 AM – 12:00 PM
ROOM DAMES
Abstract Oral session – 3
Cardiomyopathies. Risk stratification and outcomes
Chairpersons: Richard Hauer (Utrecht, NL), Malcolm Finlay (London, GB)

3-1 Abstract 17-23
ARRHYTHMIA TYPE AND DURATION ON MYOCARDIAL RECOVERY IN PATIENTS WITH ARRHYTHMIA INDUCED CARDIOMYOPATHY: A MULTICENTER STUDY
Rakesh Gopinathannair 1, Dhanunjaya Lakkireddy 2, Rahul Dhawan 1, Andrew Murray 3, Talha Farid 1, Brian Olshansky 3
1 Section of Electrophysiology, University of Louisville, Louisville, United States, 2 University of Kansas Medical Center, Kansas City, United States, 3 Mercy Heart and Vascular Institute, Mason City, United States

3-2 Abstract 07-18
CORRELATION BETWEEN TERMINAL ACTIVATION DURATION AND VENTRICULAR ARRHYTHMIA IN ARRHYTMOGENIC CARDIOMYOPATHY
Rob Roudijk 1, Laurens Bosman 1, Maarten van den Berg 2, Katja Zeppenfeld 3, Peter Loh 4, Peter van Tintelen 1, Anneline te Riele 1, Richard Hauer 1
1 Netherlands Heart Institute, Utrecht, Netherlands, 2 UMCG, Groningen, Netherlands, 3 LUMC, Leiden, Netherlands, 4 UMC Utrecht, Utrecht, Netherlands

3-3 Abstract 07-20
REGIONAL LONGITUDINAL STRAIN BY FEATURE TRACKING CARDIAC MAGNETIC RESONANCE PREDICTS SUSTAINED VENTRICULAR ARRHYTHMIAS IN ARRHYTMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY
Mimount Bourfiss 1, Cynthia A. James 2, Mounes Aliyari Ghasabel 2, Laurens P. Bosman 1, Jeroen F. van der Heijden 1, Ihab R. Kamel 2, Harikrishna Tandri 2, Richard N. Hauer 3, Hugh Calkins 2, David A. Bluemke 4, Stefan L. Zimmerman 2, Birgitta K. Velthuis 1, Anneline S.J.M. te Riele 1
1 University Medical Center Utrecht, Utrecht, Netherlands, 2 Johns Hopkins Hospital, Baltimore, United States, 3 Netherlands Heart Institute, Utrecht, Netherlands, 4 University of Wisconsin School of Medicine and Public Health, Wisconsin, United States

3-4 Abstract 07-17
RISK STRATIFICATION OF FAMILY MEMBERS IN ARRHYTMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY BY ECHOCARDIOGRAPHIC DEFORMATION IMAGING
Karim Taha 1, Thomas Mast 1, Maarten-Jan Cramer 1, Joost Lumens 2, Jeroen van der Heijden 1, Berto Bouma 3, Maarten van den Berg 4, Folkert Asselbergs 1, Pieter Doevendans 1, Arco Teske 1
1 UMCU, Utrecht, Netherlands, 2 Maastricht University, Maastricht, Netherlands, 3 AMC, Amsterdam, Netherlands, 4 UMCG, Groningen, Netherlands
3-5 Abstract 17-24
3 YEAR OUTCOME OF SUCCESSFUL EPICARDIAL-ENDOCARDIAL CATHETER ABLATION OF SUSTAINED REENTRANT MONOMORPHIC VENTRICULAR TACHYCARDIA IN HYPERTROPHIC CARDIOMYOPATHY PATIENT
Gurjit Singh, Marc K Lahini, Arfaat Khan, Waddah Maskoun, Claudio D Schuger
Henry Ford Hospital, Detroit, MI, United States

3-6 Abstract 07-21
CLINICAL PERFORMANCE OF THE 2017 AHA/ACC/HRS GUIDELINE FOR MANAGEMENT OF VENTRICULAR ARRHYTHMIAS IN ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY
Laurens Bosman, Julia Cadrin-Tourigny, Weijia Wang, Mimount Bourfiss, Brittney Murray, Crystal Tichnell, Katja Zeppenfeld, Arthur Wilde, Maarten van den Berg, Folkert Asselbergs, Hankrishna Tandri, Peter van Tintelen, Hugh Calkins, Richard Hauer, Cynthia James, Anneline te Riele
Netherlands Heart Institute, Utrecht, Netherlands, Montreal Heart Institute, Université de Montréal, Montreal, Canada, Johns Hopkins Hospital, Baltimore, United States, UMC Utrecht, University of Utrecht, Utrecht, Netherlands, Leiden University Medical Center, Leiden, Netherlands, Amsterdam Medical Center, Amsterdam, Netherlands, UMC Groningen, Groningen, Netherlands

SUNDAY APRIL 15, 2018
10:30 AM – 12:00 PM
ROOM DEBARCADERE
Abstract Oral session – 4
Catheter ablation of supraventricular or ventricular arrhythmias
Chairpersons: Kenzo Hirao (Tokyo, JP), Sam Hanon (New-York, USA)

4-1 Abstract 18-13
COOLING DYNAMICS: A NEW PREDICTOR OF LONG-TERM EFFICACY OF ATRIOVENTRICULAR NODAL REENTRANT TACHYCARDIA CRYOABLATION
Mario Matta, Matteo Anselmino, Marco Scaglione, Marco Vitolo, Federico Ferraris, Paolo Di Donna, Domenico Caponi, Davide Castagno, Fiorenzo Gaita
Division of Cardiology, Department of Medical Sciences, BCittà della Salute e della Scienza Hospital, University of Turin, Torino, Italy

4-2 Abstract 18-16
EFFICACY AND SAFETY OF CRYOABLATION OF PARA-HISIAN AND MID-SEPTAL ACCESSORY PATHWAYS USING A SPECIFIC PROTOCOL: SINGLE CENTER EXPERIENCE IN CONSECUTIVE PATIENTS
Giuseppe Fonte, Jacopo Marazzato, Beatrice Bellini, Gaia Tellini, Manola Vilotta, Raffaella Marazzi, Lorenzo Adriano Doni, Roberto De Ponti
Department of Heart & Vessels, Ospedale di Circolo and Fondazione Macchi-University of Insusbria, Varese, Italy

4-3 Abstract 18-29
ABLATION OF SLOW PATHWAY FOR AVNRT WITH ZERO X-RAY EXPOSURE USING VIRTUAL ANATOMY, LOCAL POTENTIAL COMBINED DROP-OFF MOTION RESULTED IN NO HIGH DEGREE ATRIOVENTRICULAR BLOCK
Jian Qiang Zhang, Wei Wei Wang, Jian Zhou, Ying Hao, Jie Lin Pu
Department of Cardiovascular Medicine, Shanghai East Hospital, Tongji University School of Medicine, Shanghai, China

4-4 Abstract 17-22
ABLATION OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH STRUCTURAL HEART DISEASE AND ELECTRICAL STORM
Shibu Mathew, Tilman Maurer, Bruno Reismann, Christian Heeger, Christine Lemeš, Andreas Rillig, Andreas Metzner, Karl-Heinz Kuck, Feifan Ouyang
Asklepios St. George, Hamburg, Germany
4-5 Abstract 15-67
THE RADIOFREQUENCY CATHETER ABLATION OF INTER-FASCICULAR REENTRANT TACHYCARDIA: NEW INSIGHTS INTO THE ELECTROPHYSIOLOGICAL AND ANATOMICAL CHARACTERISTICS
Kaoru Okishige 1, Harumizu Sakurada 2, Yuka Mizusawa 2, Yasuteru Yamauchi 3, Seiji Fukamizu 4, Hideshi Aoyagi 1, Yoshifumi Okano 4, Koji Azegami 1, Tetsuo Sasano 5, Kenzo Hirao 5
1 Heart Center, Japan Red Cross Yokohama City Bay Hospital, Yokohama, Japan, 2 Cardiovascular division, Tokyo Metropolitan Hiroo Hospital, Tokyo, Tokyo, Japan, 3 Cardiology Division, Musashino Red Cross Hospital, Tokyo, Tokyo, Japan, 4 Cardiology Division, Ohmori Medical Center, Tohoh Medical School, Tokyo, Japan, 5 Arhythmia Center, Tokyo Medical and Dental University, School of Medicine, Tokyo, Tokyo, Japan

4-6 Abstract 18-14
CEREBRAL PROTECTION DURING CATHETER ABLATION OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH ISCHEMIC HEART DISEASE
Christian Heeger 1, Andreas Metzner 1, Michael Schlüter 1, Andreas Rillig 1, Maria E. Romero 2, Shibu Mathew 1, Renu Virmani 1, Fink Thomas 1, Bruno Reissmann 1, Christine Lemes 1, Tilman Maurer 1, Francesco Santoro 1, Tobias Schmidt 1, Alexander Ghanem 1, Christian Fächer 1, Karl-Heinz Kuck 1, Feifan Ouyang 1
1 Asklepios Klinik St. Georg, Hamburg, Germany, 2 CV Path Institute Inc., Gaithersburg, United States

SUNDAY APRIL 15, 2018
10:30 AM – 12:00 PM
ROOM EPINETTES
Abstract Oral session – 5
Stroke prevention in patients with or without atrial fibrillation
Chairpersons: Nils Edvardsson (Gothenburg, SE), Michael Giudici (Iowa City, USA)

5-1 Abstract 15-19
SHOULD PATIENTS > 65 YEARS WITH INCIDENT ATRIAL FIBRILLATION AND A CHA2DS2-VASC SCORE 1 BE QUALIFIED FOR ANTIICOAGULATION TREATMENT?
Tommy Andersson 1, Anders Magnuson 2, Ole Fröbert 1, Ing-Liss Bryngelsson 3, Karin M. Henriksson 4, Nils Edvardsson 5, Dritan Poci 1
1 Department of Cardiology, Faculty of Medicine and Health, Örebro University, Örebro, Sweden, 2 Clinical Epidemiology and Biostatistics, Faculty of Medicine and Health, Örebro University, Örebro, Sweden, 3 Department of Occupational and Environmental Medicine, School of Medical Sciences, Örebro University, Örebro, Sweden, 4 Department of Medical Science, Uppsala University, Uppsala, Sweden, 5 Sahlgrenska Academy at Sahlgrenska University Hospital, Göteborg, Sweden

5-2 Abstract 15-20
THE IMPACT OF POLYPHARMACY ON THE EFFECTIVENESS OF ORAL ANTIICOAGULANTS IN PATIENTS WITH ATRIAL FIBRILLATION: A MEDICA RE ANALYSIS
Ghanshyam Palamaner Subash Shantha 1, Amgad Mentias 1, Naga Venkata K. Potheneni 2, Michael Giudici 1, Mary Vaughan Sarrazin 1
1 University of Iowa Hospitals and Clinics, Iowa City, United States, 2 University of Arkansas, Little Rock, United States

5-3 Abstract 15-15
COMPARATIVE EFFECTIVENESS OF ORAL ANTIICOAGULANTS IN PATIENTS WITH ATRIAL FIBRILLATION AND MULTIPLE CHRONIC CONDITIONS: A MEDICA RE ANALYSIS
Ghanshyam Palamaner Subash Shantha 1, Amgad Mentias 1, Prashant Bhave 2, Michael Giudici 1, Frank Pelosi 3, Hakan Oral 3, Mary Vaughan Sarrazin 1
1 University of Iowa Hospitals and Clinics, Iowa City, United States, 2 Wake Forest University, Winston-Salem, United States, 3 University of Michigan, Ann Arbor, United States

5-4 Abstract 06-14
PO TENTIAL ROLE OF PFO IN PATIENTS AFTER AN ESUS EVENT AND WITH IMPLANTABLE CARDIAC MONITOR
Claudia Sabrina Summo 1, Lisa Riesinger 1, Michael Mehr 1, Johannes Siebermair 2, Stephanie Fichtner 1, Christoph Schuhmann 1, Steffen Massberg 1, Reza Wakili 2
1 Klinikum der Universität München, Medizinische Klinik I, Munich, Germany, 2 Klinik für Kardiologie und Angiologie - Westdeutsches Herz- und Gefäßzentrum Essen, Essen, Germany
5-5 Abstract 15-13
ROLE OF DIABETES AND INSULIN USE IN THE RISK OF STROKE AND ACUTE MYOCARDIAL INFARCTION IN PATIENTS WITH ATRIAL FIBRILLATION: A MEDICARE ANALYSIS
Ghanshyam Shantha 1, Amgad Mentlas 1, Alexander Mazur 1, Michael Giudici 1, Oluwaseun Adeola 1, Frank Pelosi 2, Hakan Oral 1, Rajan Sah 1, Mary Vaughan Sarrazin 1
1 University of Iowa Hospitals and Clinics, Iowa City, United States, 2 University of Michigan, Ann Arbor, United States

5-6 Abstract 15-32
SAFE DISCONTINUATION OF ORAL ANTIICOAGULATION FOLLOWING ABLATION FOR ATRIAL FIBRILLATION
Jeffrey Snow 1, Juliana Welk 1, Erik Altman 1, Seth Bender 1, Sameer Parekh 1
1 Island Cardiac Specialists, Garden City, United States

SUNDAY APRIL 15, 2018
10:30 AM - 12:00 AM
ROOM REMBRANDT
Abstract oral session – 6
Sudden Cardiac Death: from cardiac arrest to post-ICD implant
Chairpersons: Mark Estes III (Boston, USA), Jeffrey Kluger (Hardford, USA)

6-1 Abstract 19-20
OUT OF HOSPITAL CARDIAC ARREST IN POPULATION BASED IN FRANCE
Jacques Beaune 1, Gérard Helft 2, Valentine Baert 3, Josephine Escutenaire 3, Hervé Hubert 3, Pierre Yves Gueugniaud 4
1 University of Lyon, School of medicine, 2 University Paris-la Pitié Salpêtrière, 3 University of Lille-Santé Publique, 4 hôpital Edouard Herriot- SAMU de Lyon

6-2 Abstract 19-15
SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATORS AMONG PATIENTS WITH HYPERTROPHIC CARDIOMYOPATHY
Austin Burrows 1, Christopher Phelan 1, Yazen Daaboul 1, William C. Daly 1, Charles Miller 1, Christopher Madias 1, N. A. Mark Estes III 1
1 Tufts Medical Center, Boston, United States

6-3 Abstract 23-12
GENDER DIFFERENCES IN ICD-IMPLANTATION RATES AND THE UNDERLYING DISEASE FOR ICD-IMPLANTATION – A LARGE REAL LIFE ANALYSIS
Margarethe Wiedenmann 1, Alessandra Buiatti 1, Johannes Siebermair 2, Moritz F. Sinner 3, Stefan Kääb 3, Eimo Martens 1
1 1. Medizinische Klinik und Poliklinik, Klinikum Rechts der Isar, Technische Universität München, Munich, Germany, 2 Nordwestdeutsches Herz- zentrum, Klinik für Kardiologie und Angiologie, Universität Essen, Essen, Germany, 3 Medizinische Klinik und Poliklinik I, Klinikum der Universität München, Großhadern, Munich, Germany

6-4 Abstract 03-10
A NOVEL LONG QT SYNDROME TYPE 1 MUTATION CAUSES SEVERE CHANNEL DYSFUNCTION BUT WITH PRESERVED ADRENERGIC RESPONSE
Vrijraj Sinhji Rathod 1, Stephen C Harmer 1, Grace Salsbury 1, Maria Bitner-Glindzicz 2, Pier D Lambiase 2, Andrew Tinker 1
1 Queen Mary University, London, United Kingdom, 2 University College London, London, United Kingdom, 3 Barts Health, London, United Kingdom

6-5 Abstract 17-16
CLINICAL PREDICTORS OF UNSUCCESSFUL ANTI-TACHYCARDIA PACING IN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR PATIENTS
Joshua Harrison 1, Kavitha Kalluri 1, Zachary Tushak 1, Dalia Giedrimiene 1, Lane Duvall 1, Jeffrey Kluger 1
1 Hartford Hospital, Hartford, CT, United States

6-6 Abstract 25-12
EFFECT OF ELECTROMAGNETIC INTERFERENCES ON IMPLANTABLE CARDIOVERTER DEFIBRILLATORS WHILE CHARGING A TESLA CAR BY A SUPERCHARGER.
Abdul Wase 1, Theresa Ratajczak 2, Thein Aung 3, Umbrreen Hussain 2 Ronald Market
1 Wright State University, Good Samaritan Hospital, Dayton, United States, 2 Wright State University, Dayton, United States, 3 Univ. of Iowa Hosp and Clinics, North Liberty, United States
**SUNDAY APRIL 15, 2018**

**10:30 AM - 12:00 AM**

**ROOM TERNES**

**Chaired Poster session A Part 2**

Posters displayed from 08:30 am-12:00 pm

Presenters and Chairpersons present from 10:30am-12:00pm

**Genetics aspects of cardiac arrhythmias**

Chairpersons: Roger Winkle (Palo Alto, USA) Eckhard Alt (Houston, USA)

16-17 Abstract 01-22

**VISUALISING FUNCTIONAL ROTATIONAL ACTIVITY AT SINGLE-CELL RESOLUTION IN HL1-6 MYOCYTES**

Charles Houston ¹, Konstantinos-Nektarios Tzortzis ¹, Caroline Roney ², Freddie Sasada ¹, Andrea Saglietto ¹, Prapa Kanagaratnam ¹, David S Pitcher ¹, Rasheda A Chowdhury ¹, Fu Siong Ng ¹, Chris D Cantwell ¹, Nicholas S Peters ¹, Emmanuel Dupont ¹

¹ Imperial College London, London, United Kingdom, ² King’s College London, London, United Kingdom

16-18 Abstract 01-27

**MACHINE LEARNING UNRAVELS THE CELLULAR DETERMINANTS OF ELECTROGRAM MORPHOLOGY USING CONVOLUTIONAL NEURAL NETWORKS**

Yumnah Mohamied ¹, Konstantinos N. Tzortzis ¹, Rasheda A. Chowdhury ¹, Chris D. Cantwell ¹, Anil A. Bharath ¹, Nicholas S. Peters ¹

¹ Imperial College London, London, United Kingdom

16-19 Abstract 01-13

**MULTIPLE TIME- AND FREQUENCY-DOMAIN ELECTROGRAM FEATURES CHANGE WITH ADDITION OF FIBROBLASTS BUT NOT MYOFIBROBLASTS**

Efthyvoulos Sokratous ¹, Konstantinos N. Tzortzis ¹, Norman Qureshi ¹, Prapa Kanagaratnam ¹, Chris D. Cantwell ¹, Rasheda A. Chowdhury ¹, Nicholas S. Peters ¹

¹ National Heart and Lung Institute, Imperial College London, London, United Kingdom

16-20 Abstract 01-18

**COMPLEX ELECTRICAL DISORDER IN A PATIENT WITH PRKAG2 MUTATION**

Sarah Worsnick ¹, Angela Naperkowski ¹, Pugazhendhi Vijayaraman ¹

¹ Geisinger Health System, Plains, United States

16-22 Abstract 03-13

**IS ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY (ARVC) ALWAYS FAMILIAL? A SYSTEMIC EVALUATION OF DE NOVO MUTATIONS IN A LARGE TRANSATLANTIC ARVC REGISTRY**

Frejya van Lint ¹, Crystal Tichnell ², Brittney Murray ², Sven Dittmann ³, Birgit Stallmeyer ³, Hugh Calkins ², Jan Jongbloed ⁴, Jasper van der Smagt ⁵, Ronald Lekane Deprez ¹, Eric Schulze-Bahr ⁵, Dennis Dooijes ⁵, Paul van der Zwaag ⁴, Peter van Tintelen ¹, Cynthia James ²

¹ Academic Medical Center, Amsterdam, Netherlands, ² Johns Hopkins University, Baltimore, United States, ³ University Hospital Münster, Münster, Germany, ⁴ University of Groningen, Groningen, Netherlands, ⁵ University Medical Center, Utrecht, Netherlands

16-23 Abstract 03-14

**ENPEP RS10004516 VARIATION IS ASSOCIATED WITH ATRIAL FIBRILLATION RISK**

Irina Rudaka ¹, Dmitrijs Rots ², Arturs Uzars ², Oskars Kalejs ³, Linda Gailite ²

¹ Faculty of Continuing Education, Rīga Stradiņš University, Riga, Latvia, ² Scientific Laboratory of Molecular Genetics, Rīga Stradiņš University, Riga, Latvia, ³ Pauls Stradiņš Clinical University Hospital, Riga, Latvia

**Channel currents and biological markers in atrial fibrillation**

16-24 Abstract 15-53

**ELECTROPHYSIOLOGICAL PROPERTIES OF A SELECTIVE IK,ACH INHIBITOR IN AN EQUINE, ATRIAL-TACHYPACING-INDUCED MODEL OF PERSISTENT ATRIAL FIBRILLATION**

Merle Friederike Fenner ¹, Eva Hesselkilde ¹, Helena Carstensen ¹, Sarah Nissen ¹, Christine Lunddahl ¹, Maja Jensen ¹, Ameli Loft-Andersen ¹, James Milnes ², Stefan Sattler ³, Thomas Jespersen ¹, Rikke Buhl ¹

¹ Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark, ² Xention Ltd., Cambridge, United Kingdom, ³ Rigshospitalet, Department of Cardiology, Copenhagen, Denmark, ⁴ Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark
Abstract 15-16
EXPRESS LEVEL AND STRUCTURAL CHANGES IN THE EQUINE HEART FOLLOWING ATRIAL FIBRILLATION

Ditte Dybvald Kruse 1, Eva Zander Hesselkilde 2, Helena Carstensen 2, Rikke Buhl 2, Thomas Hartig Braunstein 1, Thomas Jespersen 1
1 Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark,
2 Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark

Abstract 18-23
LEFT ATRIAL SCAR BURDEN PREDICTS THE PERSISTENT VS PAROXYSMAL ATRIAL FIBRILLATION

Oluwaseun Adeola 1, Dinesh Voruganti 1, Ghanshyam Shantha 1, Chad Ward 1, Amgad Mentias 1, Michael Giudici 1
1 University of Iowa Hospitals, Iowa City, United States

Abstract 15-61
CYCLE LENGTH STATISTICS DURING ATRIAL FIBRILLATION REFLECT REFRACTORY PROPERTIES OF THE UNDERLYING SUBSTRATE

Laura Anna Unger 1, Tobias Oesterlein 1, Peter Spector 2, Armin Luik 3, Claus Schmitt 3, Axel Loewe 1, Olaf Dössel 1
1 Institute of Biomedical Engineering, Karlsruhe Institute of Technology, Karlsruhe, Germany,
2 College of Medicine, University of Vermont, Burlington, Vermont, United States,
3 Medizinische Klinik IV, Städtisches Klinikum Karlsruhe, Karlsruhe, Germany

Abstract 15-36
MODIFIED OMEGA-3 FATTY ACID PROFILES IN PATIENTS WITH IDIOPATHIC ATRIAL FIBRILLATION

Jean Michel Maixent 1, Wafaa El Mejaber 2
1 Université de Toulon, Toulon, France,
2 Sanofi, Paris, France

Abstract 15-21
PROGNOSTIC VALUE OF INSULIN-LIKE GROWTH FACTOR-1 IN PATIENTS WITH DIFFERENT TYPES OF ATRIAL FIBRILLATION

Yuliya Shaposhnikova 1, Iryna Ilchenko 1
1 Kharkiv National Medical University, Kharkiv, Ukraine

Antiarrhythmic agents in atrial fibrillation

Abstract 01-19
DIGOXIN AND PUFA DURING DIGITALIS TREATMENT

Monique Bernard 1, Jean Michel Maixent 2
1 Université Aix-Marseille, Marseille, France,
2 Université de Toulon, France

Abstract 15-55
EFFECTS OF DOFETILIDE AND RANOLAZINE ON ATRIAL FIBRILLATORY RATE IN THE HORSE MODEL OF ACUTELY INDUCED ATRIAL FIBRILLATION

Helena Carstensen 1, Eva Z. Hesselkilde 1, Thomas Jespersen 2, Steen Pehrson 3, Jonas Carlson 4, Pyotr G. Platonov 4, Rikke Buhl 1
1 Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Taastrup, Denmark,
2 Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark,
3 Department of Cardiology, The Heart Centre, Copenhagen University Hospital, Copenhagen, Denmark,
4 Department of Cardiology, Clinical Sciences, Lund University, Lund, Sweden

Abstract 15-10
EFFECTS OF IBUTILIDE ON DISTRIBUTION OF AMplitude AND FREquency OF FIBRILLATORY INTRACARDIAC ELECTROGRAMS

Habib Hajimolahoseini 1, Javad Hashemi 1, Damian Redfearn 1
1 Cardiac Arrhythmia Signal Analysis Lab, School of Medicine, Queen’s University, Kingston, Canada
**Sunday April 15, 2018**

**ROOM WAGRAM A**

**Hands-Off Luncheon Panel**  
*Supported by an educational grant from Boehringer-Ingelheim*

**Focus on Safety: A safer use of NOACs in the real life**  
Chairpersons: Samuel Lévy (Marseille, FR), Roger Winkle (Palo-Alto, USA)

Opening: Samuel Lévy

1. **The RE-CIRCUIT study: assessment of an uninterrupted periprocedural anticoagulation strategy**  
   Richard Schilling (London, GB)

2. **Safety profile of Dabigatran**  
   Mark Estes III (Boston, USA)

3. **Dabigatran reversal agent**  
   Samuel Levy (Marseille, FR)

Closing: Roger Winkle

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**SUNDAY APRIL 15, 2018**

**ROOM COURCELLES**  
**Session SP-01**  
*Supported by an educational grant from Bayer AG*

**Issues in anticoagulation and atrial fibrillation**

Chairpersons: Riccardo Cappato (Milan, IT), Ernst Vester (Dusseldorf, DE)

1. **Do we know the threshold for initiating oral anticoagulation in patients with atrial high rate events (AHREs)?**  
   John Camm (London, GB)

2. **Can we use direct oral anticoagulants (DOACs) to treat patients with AF and stroke risks with moderate-to-severe valvular heart disease (excluding moderate-to-severe mitral stenosis or presence of a mechanical heart valve)?**  
   Ernst Vester (Düsseldorf, DE)

3. **When do the risks of bleeding outweigh the risks of stroke, such that oral anticoagulation is not indicated?**  
   Brian Olshansky (Iowa City, USA)

4. **How should we use oral anticoagulation and antiplatelet therapy in patients with atrial fibrillation and coronary artery disease with or without stent(s)?**  
   Letizia Riva (Bologna, IT)

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**SUNDAY APRIL 15, 2018**

**ROOM WAGRAM B**  
**Session HD-01**

**Atrial fibrillation in heart failure**

Chairpersons: Andrea Natale (Austin, USA), Thorsten Lewalter (Munich, DE)

1. **Prognosis of AF in heart failure with reduced and preserved ejection fraction**  
   Christian Torp-Pedersen (Copenhagen, DK)

2. **Medical therapy in atrial fibrillation with heart failure: is there any role?**  
   Gerhard Steinbeck (Munich, DE)

3. **Catheter ablation in atrial fibrillation with reduced ejection fraction**  
   Johannes Brachmann (Coburg, DE)

4. **Therapeutic options in atrial fibrillation with preserved ejection fraction**  
   Sanjeev Saksena (Warren, USA)
Aggressive ablation for ventricular tachycardia?
Chairpersons: Roger Winkle (Palo Alto, USA), Leonardo Calo (Rome, IT)

1. Intracardiac ultrasound-guided VT ablation: from PVCs to cartosound-guided structural interventions
   Suraj Kapa (Rochester, USA)

2. What is the effect of LAVA, border-zone homogenization, and substrate ablation on ablating ventricular tachycardia?
   Bharat Kantharia (New-York, USA)

3. Clinical outcomes of external particle therapy, and needle catheter ablation
   Douglas Packer (Rochester, USA)

4. Best ablative guides for ARVC, sarcoid, and other unusual ventricular tachycardias
   David Wilber (Maywood, USA)

ECG interpretation course (Part 1: conduction disturbances)
A tribute to Agustin Castellanos Jr (1927-2017)
Chairpersons: Sanjeev Saksena (Warren, USA), Antonio Bayes de Luna (Barcelona, SP)

Introduction: Agustin Castellanos Jr, A Giant in Electrocardiology
   Samuel Lévy (Marseille, FR)

1. Bundle branch blocks and hemiblocks complicating myocardial ischemia or infarction
   Samuel Lévy (Marseille, FR)

2. Inter and intra-atrial block and role in AF development
   Antonio Bayes de Luna (Barcelona, SP)

3. New concepts in AV block
   Bengt Herweg (Tampa, USA)

Septal accessory pathways: diagnosis and ablation.
Interactive case discussions
Session proposed and conducted by Jasbir Sra (Milwaukee, USA), Warren Jackman (Milwaukee and Oklahoma City, USA) and Fiorenzo Gaita (Turin, IT)
**SUNDAY APRIL 15, 2018**

**2:00 PM - 3:30 PM**

**ROOM REMBRANDT**

Session SP-04

**Issues in device therapy**

Chairpersons: Promund Obel (Johannesburg, ZA), Poul Erik Bloch-Thomsen (Copenhagen, DK)

1. **What is the indication for placement of a leadless pacemaker?**
   Dwight Reynolds (Oklahoma City, USA)

2. **What is the indication for placement of a subcutaneous defibrillator?**
   Luc Jordaens (Brussels, BE)

3. **Who should be getting an ICD for primary prevention? Do we have all the answers?**
   Andrea Russo (Camden, USA)

4. **In patients without left bundle branch block and with a QRS complex duration > 0.12 seconds: which patients will benefit from bi-ventricular pacing?**
   Varun Sundaram (London, GB)

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**SUNDAY APRIL 15, 2018**

**2:00 PM - 3:30 PM**

**ROOM TERNES**

Chaired Poster Session B part 1

Posters displayed from 02:00 pm-05:30 pm

Presenters and Chairpersons present from 02:00pm-03:30pm

Chairpersons: David Benditt (Minneapolis, USA); Antonio Raviele (Venice, IT)

**Sudden cardiac death and ICD**

16-35 Abstract 07-11

**INVESTIGATION OF ECG REPOLARIZATION PARAMETERS AND RISK FACTORS OF SUDDEN CARDIAC DEATH IN PATIENTS WITH HYPERTROPHIC CARDIOMYOPATHY**

Andrea Orosz 1, Tamás Szűcsborus 2, Lili Adrienn Szabó 2, István Baczkó 1, Viktória Nagy 2, Tamás Forster 2, J. Gyula Papp 3, András Varró 3, Róbert Sepp 2

1 Department of Pharmacology and Pharmacotherapy, University of Szeged, Hungary, Szeged, Hungary, 2 2nd Department of Internal Medicine and Cardiology Center, University of Szeged, Hungary, Szeged, Hungary, 3 Department of Pharmacology and Pharmacotherapy, University of Szeged, Hungary; MTA-SZTE Research Group of Cardiovascular Pharmacology, Hungarian Academy of Sciences, Szeged, Hungary, Szeged, Hungary

16-36 Abstract 19-18

**LONG-TERM OUTCOMES OF ICD IMPLANTS IN ADULT CONGENITAL HEART DISEASE PATIENTS: A SINGLE CENTRE EXPERIENCE**

Vinit Sawhney 1, Sarah Whittaker-Axon 1, Holly Daw 1, Seamus Cullen 1, Katherine Von Klemperer 1, Bejal Pandya 1, Fiona Walker 1, Vivienne Ezzat 1

1 Barts Heart Centre, London, United Kingdom

16-37 Abstract 19-19

**T WAVE OVER SENSING CAUSING INAPPROPRIATE SHOCK AND VENTRICULAR FIBRILLATION IN A SUBCUTANEOUS ICD RECIPIENT**

Gurjit Singh 1, Marc K Singh 1, Arfaat Khan 1, Waddah Maskoun 1, Claudio D Schuger 1

1 Henry Ford Hospital, Detroit, MI, United States
16-38  Abstract 31-14
PREDICTING MYOCARDIAL RECOVERY IN ARRHYTHMIA INDUCED CARDIOMYOPATHY PATIENTS: ROLE OF INDEX LEFT VENTRICULAR FUNCTION AND UNDERLYING STRUCTURAL HEART DISEASE
Rakesh Gopinathannair 1, Dhanunjaya Lakireddy 2, Rahul Dhawan 1, Andrew Murray 3, Talha Farid 1, Brian Olshansky 3
1 Section of Electrophysiology, University of Louisville, Louisville, United States, 2 University of Kansas Medical Center, Kansas City, United States, 3 Mercy Heart and Vascular Institute, Mason City, United States

16-39  Abstract 31-13
CONDUCTIVE POLYMERS AFFECT MYOCARDIAL CONDUCTION VELOCITY BUT ARE NOT PRO-ARRHYTHMIC
Richard Jabbour 1, Kella Kapnisi 1, Damia Mawad 1, Balvinder Handa 1, Catherine Mansfield 1, Fillipo Perbellini 1, Cesare Terracciano 1, Molly Stevens 1, Godfrey Smith 1, Nicholas Peters 1, Fu Siong Ng 1, Sian Harding 1
1 Imperial College London, London, United Kingdom

16-40  Abstract 19-12
MECHANICAL DISPERSION AS A PREDICTOR OF ARRHYTHMIC DEATH IN PATIENTS WITH ISCHAEMIC AND NON-ISCHAEMIC LEFT VENTRICULAR DYSFUNCTION
Vincenzo Nissardi 1, Roberta Montisci 1, Cinzia Soro 1, Roberto Floris 2, Luigi Meloni 1
1 Azienda Ospedaliero-Universitaria - Cagliari, Cagliari, Italy, 2 Azienda per la Tutela della Salute - Sardegna, San Gavino, Italy

16-41  Abstract 19-13
MYOCARDIUM SCINTIGRAPHY WITH ¹²³I-METAIDO-BENZYLGUANIDINE IN EVALUATION OF THE VENTRICULAR TACHYARRHYTHMIA INCIDENCES IN PATIENTS WITH CORONARY ARTERY DISEASE AND ICD
Tariel Atabekov 1, Roman Batalov 1, Svetlana Sazonova 1, Sergey Popov 1
1 Cardiology Research Institute, Tomsk National Research Medical Centre, Russian Academy of Sciences, Tomsk, Russia

16-42  Abstract 19-16
EFFECT OF HALOPERIDOL DURING ACUTE MYOCARDIAL INFARCTION ON CARDIAC FUNCTION AND ARRHYTHMIAS: A PORCINE MODEL
Stefan M. Sattler 1, Anniek F. Lubberding 2, Charlotte B. Kristensen 1, Shaida Panbachi 2, Rasmus Møgelvang 1, Reza Wakili 3, Thomas Engstrøm 1, Thomas Jespersen 2, Jacob Tfelt-Hansen 1
1 Department of Cardiology, Heart Centre Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, 2 Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark, 3 Klinik für Kardiologie und Angiologie, Universitätsklinikum Essen, Essen, Germany

16-43  Abstract 08-10
THE SIGNIFICANCE OF EARLY REPOLARIZATION AND INCOMPLETE RIGHT BUNDLE BLOCK IN ATHLETES
Samir Rafla 1, Tarek El-Zawawy 1, Gamal Abdel Nasser Mahmoud 2
1 Alexandria University-Cardiology Department, Alexandria, Egypt, 2 Biological Sciences and Sports Health Faculty of Sports, Alexandria Univ. Egypt, Alexandria, Egypt

16-44  Abstract 19-10
INITIAL EXPERIENCE OF SUBCUTANEOUS IMPLANTABLE CARDOVERTER DEFIBRILLATOR
Fuminori Odagiri 1, Yuji Nakazato 1, Yasutoshi Akiyama 1, Hiroya Shimano 1, Rie Takano 1, Takashi Tokano 1, Hiroyuki Daida 2
1 Department of Cardiology, Juntendo University Urayasu Hospital, Urayasu, Japan, 2 Department of Cardiology Juntendo University, Tokyo, Japan

16-46  Abstract 17-17
MECHANICAL AND ELECTRICAL DYSSYNCHRONY AS PREDICTORS OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH IMPLANTED CARDOVERTER DEFIBRILLATORS.
Joshua Harrison 1, Kavitha Kalluri 1, Zachary Tushak 1, Dalia Giedrimiene 1, Lane Duvall 1, Jeffrey Kluger 1
1 Hartford Hospital, Hartford, CT, United States
Wearable defibrillators

16-47 Abstract 19-17
IMPAIEMENT OF QUALITY OF LIFE AMONG PATIENTS WITH WEARABLE CARDIOVERTER DEFIBRILLATOR THERAPY (LIFEVEST®)
Korbinian Lackermair 1, Christoph Schuhmann 1, Michaela Kubieniec 1, Heidi Estnerr 1, Stephanie Fichtner 1
1 University of Munich, Department of Cardiology, Munich, Germany

16-48 Abstract 19-11
VENTRICULAR ARRHYTHMIA OCCURRENCE AND COMPLIANCE IN PATIENTS TREATED WITH THE WEARABLE CARDIOVERTER DEFIBRILLATOR FOLLOWING PERCUTANEOUS CORONARY INTERVENTION
Jérémie Barraud 1, Pauline Pinon 1, Marc Laine 1, Jennifer Cautela 1, Morgane Orabona 1, Linda Koutbi 2, Johan Pinto 1, Franck Thuny 1, Frédéric Franceschi 2, Franck Paganelli 1, Laurent Bonello 1, Michael Peyrol 1
1 Aix-Marseille University, Assistance Publique - Hôpitaux de Marseille (AP-HM), Department of Cardiology, Hôpital Nord, France; Mediterranean Association for Research and Studies in Cardiology (MARS Cardio), France, Marseille, France, 2 Aix-Marseille University, Assistance Publique - Hôpitaux de Marseille (AP-HM), Department of Cardiology, Hôpital Timone, France., Marseille, France

3:30 PM - 4:00 PM
Coffee break and visit to posters

SUNDAY APRIL 15, 2018
4:00 PM - 5:30 PM
ROOM COURCELLES
Session SP-05
Supported by an educational grant from Bayer AG

Impact of NOACs on the daily therapy now and in the future
Chairpersons: John Camm (London, GB), Edward Rowland (London, GB)
1. Best anticoagulation for AF patients with CAD or/and PCI
   Reza Wakili (Essen, DE)
2. Best anticoagulation in AF patients undergoing ablation
   Dipen Shah (Geneva, CH)
3. OAC in patients with CHADS-Vasc score <2 (The BRAIN-AF Trial)
   Lena Rivard (Montreal, CA)
4. What is coming after COMPASS? Potential new target populations?
   Riccardo Cappato (Milan, IT)

SUNDAY APRIL 15, 2018
4:00 PM - 5:30 PM
ROOM WAGRAM B
Session HD-02

Management of sustained ventricular arrhythmias in heart disease
Chairpersons: Stefan Kääb (Munich, DE), Peter Zimetbaum (Boston, USA)
1. Sustained VT after previous myocardial infarction
   Peter Zimetbaum (Boston, USA)
2. VT complicating non-ischemic cardiomyopathy
   Stephen Furniss (Eastbourne, GB)
3. Ventricular arrhythmias in patients with congenital heart disease
   George van Hare (St Louis, USA)
4. VT complicating cardiac sarcoidosis
   Pier Lambiase (London, GB)
How to optimize pulmonary vein isolation?
Chairpersons: Ellen Hoffmann (Munich, DE), Antony Chu (Providence, USA)

1. 20 years of pulmonary vein isolation – today results
   Mélèze Hocini (Bordeaux, FR)

2. Strategies to optimize PVI using radiofrequency energy
   David Haines (Royal Oak, USA)

3. Strategies to optimize PVI using cryoablation
   Florian Straube (Munich, DE)

4. Role of Contact force
   Roberto De Ponti (Varese, IT)

ECG interpretation course (Part 2: Important concepts for the understanding of complex arrhythmias)
A tribute to Richard Langendorf, a pioneer in ECG interpretation
Chairpersons: Eli Ovsyshcher (Beersheba, IL), Luc Jordaens (Brussels, BE)

Introduction: Richard Langendorf, a pioneer in complex ECG interpretation
   Michiel Janse (5min)

1. Concealed conduction of the cardiac impulse
   Michiel Janse (Amsterdam, NL)

2. Aberrant ventricular conduction
   Jeronimo Farre (Madrid, ES)

3. Diagnosis and mechanisms of AVNRT: lessons learnt from ablation
   Kenzo Hirao (Tokyo, JP)

Autonomic nervous system and arrhythmias
Chairpersons: Peter Schwartz (Milan, IT), Axel Bauer (Munich, DE)

1. Ablation of cardiac ganglia: in which patients?
   Leonardo Calo (Rome, IT)

2. Role of atrial and ventricular innervation on PVCs
   Christian Meyer (Hamburg, DE)

3. Role of MIBG imaging in inherited arrhythmia syndromes
   Reza Wakili (Essen, DE)

4. Left sympathetic denervation in the prevention of sudden cardiac death
   Peter Schwartz (Milan, IT)
Prediction and prevention of sudden cardiac death (SCD) in hypertrophic cardiomyopathy
Chairpersons: Nicholas Peters (London, GB), John Fisher (New York City, USA)

1. Preventing sudden death in hypertrophic cardiomyopathy: new backing for ESC guidelines (HCM-EVIDENCE)
William McKenna (London, GB)

2. Role of genetic testing in risk stratification for SCD
Audrey Farrugia-Jacamon (Strasbourg, FR)

3. S-ICD in primary and secondary prevention of SCD
Mark Estes III (Boston, USA)

4. Role of athletic restriction in prevention of SCD
Xavier Jouven (Paris, FR)

5. Role of MRI in risk stratification for SCD
Christine Albert (Boston, USA)

Atrial Fibrillation

16-49 Abstract 04-14
NON-PULMONARY VEIN TRIGGERS OF ATRIAL FIBRILLATION IN PATIENTS WITH COMPLETE PULMONARY VEIN ISOLATION
Min-young Kim 1, Markus B Sikkel 1, Afzal Sohaib 2, Louisa Malcolm-Lawes 2, Kevin Leong 2, Vishal Luther 2, Belinda Sandler 1, Michael Koa-Wing 2, Zachary Whinnett 2, Norman Qureshi 2, Fu Siong Ng 2, Nicholas S Peters 1, Wyn Davies 2, Elaine Lim 2, Michael Fudge 2, Michelle Todd 2, Ian Wright 2, Nick W F Linton 2, Phang Boon Lim 2, Prapa Kanagaratnam 1

1 Imperial College London, London, United Kingdom, 2 Imperial College NHS Trust, London, United Kingdom

16-50 Abstract 15-31
HEMODYNAMIC EFFECT OF PAROXYSMAL ATRIAL FIBRILLATION ABLATION IN PATIENTS WITH NORMAL AND MID-RANGE LEFT VENTRICULAR SYSTOLIC FUNCTION
Aleksandra Liżewska-Springer 1, Alicja Dąbrowska-Kugacka 1, Łukasz Drelich 1, Tomasz Królak 1, Ewa Lewicka 1, Grzegorz Raczac 1

1 Department of Cardiology and Electrotherapy Medical University of Gdańsk, Gdańsk, Poland

16-52 Abstract 15-28
LEFT ATRIAL EJECTION FORCE PREDICTOR OF RECURRENCE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION
Horatiu Rus 1, Elena Bobescu 1, Cristina Dascalescu 1, Cezar Luca 1, Elena Grancea 1

1 University Transilvania, Brasov, Romania

16-53 Abstract 18-21
ANATOMY OF THE PULMONARY VEINS AND CLINICAL OUTCOME AFTER PULMONARY VEIN ISOLATION IN PAROXYSMAL ATRIAL FIBRILLATION: A LARGE-SCALED SINGLE-CENTRE EXPERIENCE
Lisette Wintgens 1, Martijn Klaver 1, Marisevi Chaldoupi 2, Vincent van Dijk 1, Arash Alipour 1, Maurits Wijffels 1, Jippe Balt 1, Lucas Boersma 1

1 St. Antonius Hospital, Nieuwegein, Netherlands, 2 Haga Hospital, The Hague, Netherlands
16-54 Abstract 15-18
SPECKLE-TRACKING ECHOCARDIOGRAPHY DURING CATHETER ABLATION IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION
Askhat Dubanaev 1, Andrey Smorgon 1, Evgeniy Archakov 1, Stanislav Usenkov 1, Roman Batalov 1, Sergey Popov 1
1 Cardiology Research Institute, Tomsk, Russia

16-55 Abstract 15-11
MID-TERM EXPERIENCE WITH A NOVEL HYBRID CRYO/RF FOCUSED TECHNIQUE IN PAROXYSMAL AND PERSISTENT ATRIAL FIBRILLATION – LOW VOLTAGE BRIDGE MAPPING BACKGROUND: DESPITE ADVANCES IN CATHETER TECHNOLOGIES AND ENERGY SOURCES FOR ATRIAL FIBRILLATION (AF) ABLATION
Michael Giudici 1, Steven Bailin 1, Hardik Doshi 1, Siva Krothapalli 1
1 University of Iowa Hospitals, Iowa City, United States

16-56 Abstract 01-11
NON-PATIENT SPECIFIED MODELING PAROXYSMAL AND PERSISTENT ATRIAL FIBRILLATION ABLATION APPROACHES AND THEIR EXTRAPOLATION TO CLINICAL RESULTS
Evgeny Zhelyakov 1, Mikhail Mazurov 2, Andrey Ardashev 1, Yury Belenkov 1
1 Moscow State University, Moscow, Russia, 2 Economic and Statistic University, Moscow, Russia

16-57 Abstract 07-23
PREVALENCE OF SIGNIFICANT CORONARY DISEASE IDENTIFIED BY PRE-ATRIAL FIBRILLATION ABLATION CARDIAC CT ANGIOGRAPHY
Meet Patel 1, Vishal Goyal 1, Ilana Kutinsky 1
1 Beaumont Health, Royal Oak, Michigan, United States

16-58 Abstract 18-17
ENTRAPMENT OF LASSO CATHETER IN CHIARI NETWORK WITH SUCCESSFUL EXTRACTION
Sarah Worsnick 1, Angela Naperkowsk 1, Pugazhendi Vijayaraman 1
1 Geisinger Health System, Plains, United States

16-59 Abstract 18-42
META ANALYSIS OF FLUOROSCOPY REDUCTION TECHNIQUES FOR ATRIAL FIBRILLATION ABLATION
John Ferguson 1
1 UVA Health Science Center, Charlottesville, United States

16-60 Abstract 18-44
RESULTS OF LESION SIZE INDEX GUIDED ABLATION OF PAROXYSMAL ATRIAL FIBRILLATION
Nway Ko Ko 1, Uyanga Batnyam 1, Usman Siddiqui 1
1 University of Central Florida, Orlando, United States

16-61 Abstract 18-41
PROCEDURAL AND CLINICAL DETERMINANTS OF ACUTE SUCCESS OF DRIVER ABLATION FOR PERSISTENT ATRIAL FIBRILLATION
Albert Rogers 1, Tina Baykaner 1, Joao Mesquita 2, Fatemah Shenasa 1, Mallika Tamboli 1, Mohan Viswanathan 1, Paul Wang 1, Sanjiv Narayan 1, Stefan Spitzer 3, Tamas Szili-Torok 4
1 Stanford University, Stanford, United States, 2 Hospital de Santa Cruz, Carnaxide, Portugal, 3 Praxisklinik Herz und Gefäße, Dresden, Germany, 4 Erasmus MC, Rotterdam, Netherlands

16-62 Abstract 18-40
PROCEDURAL EFFICACY AND SAFETY OF THE GLOBALLY LARGEST PROSPECTIVE SINGLE CENTER REGISTRY FOR PVAC GOLD PV ISOLATION FOR AF.
Martijn Klaver 1, Lisette Wintgens 1, Vincent van Dijk 1, Maurits Wijffels 1, Jippe Balt 1, Lucas Boersma 1
1 St. Antonius Hospital, Nieuwegein, Netherlands

16-63 Abstract 15-17
THE INTRACARDIAC SPECKLE-TRACKING ECHOCARDIOGRAPHY AS A METHOD OF THE CRYOABLATION EFFICACY ASSESSMENT IN PATIENTS WITH ATRIAL FIBRILLATION
Andrey Smorgon 1
1 Scientific Research Institute Of Cardiology, Tomsk, Russia
Room WAGRAM B
5:30 PM to 6:00 PM

Philippe Coumel Special lecture:

Prediction and Prevention of Sudden Cardiac Death in Sports
By Mark N. Estes III (Boston, USA)

Opening ceremony 6:00 PM to 7:00 PM
Eulogy to Giants

Outstanding Achievement Awards

Antonio Bayés de Luna, MD
(Barcelona, ES)
Mark N. Estes III, MD
(Boston, USA)
David Haines, MD
(Royal Oak, USA)

Outstanding Support Awards

Luigi Di Biase, MD
(New York City, USA)
Jacob Tfelt-Hansen, MD
(Copenhagen, DK)

Best Oral Abstract Presentations
Followed by a cocktail Reception
**MONDAY APRIL 16, 2018**

8:30 AM - 10:00 AM  
**ROOM COURCELLES**  
Session HD-03

**Risk stratification and therapy of arrhythmogenic cardiomyopathy**

Chairpersons: Frank Marcus (Tucson, USA), Richard Hauer (Utrecht, NL)

1. *Does the concealed stage exist?*  
   Richard Hauer (Utrecht, NL)

2. *About men and women at risk for the disease*  
   Firat Duru (Zurich, CH)

3. *Towards individualized risk stratification of ARVD/C*  
   Frank Marcus (Tucson, USA)

4. *Ablation of VT related to ARVD/C*  
   Luigi Di Biase (New York City, USA)

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**MONDAY APRIL 16, 2018**

8:30 AM - 10:00 AM  
**ROOM DAMES**  
Session AB-03

**AF ablation beyond pulmonary vein isolation**

Chairpersons: Ellen Hoffmann (Munich, DE), Gerhard Hindricks (Leipzig, DE)

1. *Non-pulmonary vein foci as a target for atrial fibrillation ablation*  
   Fu Siong Ng (London, USA)

2. *Magnetic resonance directed AF ablation*  
   Nassir Marrouche (Salt Lake City, USA)

3. *Modification of arrhythmogenic substrate – strategies of today*  
   Sascha Rolf (Leipzig, DE)

4. *Ablation of rotors and focal triggers*  
   Roland Richard Tilz (Lübeck, DE)

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**MONDAY APRIL 16, 2018**

8:30 AM - 10:00 AM  
**ROOM DEBARCADE**  
Session SP-09

**Surface ECG in the 21st Century (ISE-ISHNE-ECAS Joint meeting)**

Chairpersons: Ljuba Bacharova (Bratislava, SK), Niraj Varma (Cleveland, USA)

1. *P-wave: The past, the present and the future*  
   Antonio Bayes de Luna (Barcelona, ES)

2. *Update in early repolarization*  
   Peter Macfarlane (Glasgow, GB)

3. *Definition of LBBB: does it matter?*  
   Ljuba Bacharova (Bratislava, SK)

4. *VF risk in Brugada type I ECG patients: is the ECG the key?*  
   Philippe Chevalier (Lyon, FR)
MONDAY APRIL 16, 2018
8:30 AM - 10:00 AM
ROOM EPINETTES
Session SP-10
Mechanisms of cardiac arrhythmias - relevance of high-density mapping in special cases
Chairpersons: Francis Marchlinski (Philadelphia, USA), Tom Wong (London, GB)

1. Atypical flutter in congenital heart disease
   George van Hare (St Louis, USA)
2. Atypical flutter after surgical procedures
   Roger Winkle (Palo Alto, USA)
3. Epicardial mapping in ablation procedures for ventricular tachycardia
   Tom Wong (London, GB)
4. Scar mapping in ablations of VTs in the context of dilated cardiomyopathy
   Stefan Kääb (Munich, DE)

MONDAY APRIL 16, 2018
8:30 AM - 10:00 AM
ROOM REMBRANDT
Session SP-11
Challenges in cardiac resynchronization therapy
Chairpersons: Peter Loh (Utrecht, NL), Roberto De Ponti (Varese, IT)

1. Pathophysiology of bundle branch block: has this been ignored?
   Roberto De Ponti (Varese, IT)
2. Optimal assessment of ventricular dyssynchrony: electrical, electro-anatomic or imaging?
   Andrey Ardashev (Moscow, RU)
3. Multisite ventricular pacing: options, techniques and future directions
   Yuji Nakazato (Tokyo, JP)
4. Intra-atrial dyssynchrony and its therapy
   Jean-Claude Daubert (Rennes, FR)

MONDAY APRIL 16, 2018
08:30 AM - 10:30 AM
ROOM TERNES
Chaired Poster Session C part 1
Posters displayed from 08:30 am-12:00 pm
Presenters and Chairpersons present from 08:30am-10:00am

Bradycardia and cardiac pacing
Chairpersons: David Cannom (Los Angeles, USA); Eli Ovsyshcher (Beer-Sheva, IL)

16-66 Abstract 26-10
THE IMPACT OF BRADYCARDIA MANAGEMENT STRATEGIES ON HOSPITALIZATION COSTS IN THE UNITED STATES
Victor Abrich 1, Matthew Spear 2, Banveet Khetarpal 1, Mac McCullough 2, Siva Mulpuru 1, Eric Yang 1
1 Mayo Clinic Arizona, Phoenix, United States, 2 Arizona State University, Phoenix, United States
16-67 Abstract 23-18
EVALUATION OF EXPANSION AND OUTCOME OF THE INFECTIVE PROCESS IN CARDIAC ELECTRONIC DEVICES RECIPIENTS- PREDICTIVE VALUE OF BIOCHEMICAL PARAMETERS
Anna Polewczyk 1, Wojciech Jachec 2, Maciej Polewczyk 1, Andrzej Tomasik 2, Andrzej Kutarski 3
1 Faculty of Medicine and Health Studies, Jan Kochanowski University, Kielce, Poland, 2 Department of Cardiology, Swietokrzyskie Cardiology Center, Kielce, Poland, 3 Department of Cardiology, Medical University of Silesia in Katowice, School of Medicine with the Division of Dentistry in Zabrze, Poland, Zabrze, Poland

16-68 Abstract 15-54
ABLATION OR PACING, WHICH GOES FIRST FOR PATIENTS WITH TACHYCARDIA-BRADYCARDIA SYNDROME: TWO CASE COMPARISON AND CLINICAL ENLIGHTENMENT
Dan Han 1, Jianqing She 1, Hui Guo 1, Chaofeng Sun 1, Hongbing Li 1
1 First Hospital of Xi’an Jiaotong University, Xi’an, China

16-69 Abstract 24-18
INTERMITTENT WIDE QRS DURING BIVENTRICULAR PACING? WHAT IS THE MECHANISM?
Gurjit Singh 1, Arfaat Khan 1, Marc K Lahiri 1, Waddah Maskoun 1, Claudio D Schuger 1
1 Henry Ford Hospital, Detroit, MI, United States

16-70 Abstract 01-12
A CASE OF PAUSE-DEPENDENT PAROXYSMAL PHASE IV ATRIOVENTRICULAR BLOCK PRESENTING WITH RECURRENT SYNCOPE
Kelvin Bush 1, Linda Huffer 1, Gregg Gerasimon 1
1 San Antonio Military Medical Center, San Antonio, United States

16-71 Abstract 28-11
NEAR-ZERO FLUOROSCOPY PACEMAKER IMPLANTATION IN PREGNANCY: THE ESSENTIAL TOOL OF ELECTROANATOMIC MAPPING
Maurizio Del Greco 1, Francesco Peruzza 1, Massimiliano Maines 1, Carlo Angheben 1, Domenico Catanzariti 1
1 Ospedale Santa Maria del Carmine, Rovereto, Italy

16-72 Abstract 23-22
DETECTION OF COMPLICATIONS POST PACEMAKER IMPLANTATION
Chad Ward 1, Michael Giudici 1, Oluwaseun Adeola 1, Musab Alqasrawi 1, Brodie Marthaler 1
1 University of Iowa Hospitals and Clinics, Iowa City, United States

16-73 Abstract 08-12
AURICULO VENTRICULAR BLOCK IN ACUTE CORONARY SYNDROME WITH ST SEGMENT ELEVATION (STEMI): INCIDENCE AND PROGNOSTIC SIGNIFICANCE
Marouane Mahjoub 1, Wajih Abdallah 1, Mejd Bi Ben Messaoud 1, Wassim Saoudi 1, Ala Jalled 1, Aymen Najjar 1, Majed Hassine 1, Zohra Dridi 1, Fethi Betbout 1, Habib Gamra 1
1 Cardiology department A : Fattouma Bourguiba University Hospital, Monastir, Tunisie

16-74 Abstract 23-17
UNRECOGNIZED MALPOSITION OF A HIS BUNDLE PACING LEAD IN THE LEFT VENTRICLE VIA AN INTACT ATRIAL SEPTUM
Sarah Worsnick 1, Angela Naperkowski 1, Ragesh Panikkath 1, Pugazhendhi Vijayaraman 1
1 Geisinger Health System, Wilkes Barre, United States

16-75 Abstract 23-16
MODIFIED TECHNIQUE FOR HIS BUNDLE PACING AND ITS EVALUATION WITH STRAIN RATE
Oscar Bazán Rodríguez 1, Eduardo Del Río Bravo 1, Carlos Gutierrez González 1, Carlos González Rebeles 1, Cynthia Ortiz 1, Jaime Sánchez 1, Luis Molina 1
1 Electrophysiology Laboratory UNAM., City of México, Mexico
16-76  Abstract 18-25
EFFICIENT APPROACH FOR ATRIOVENTRICULAR JUNCTION ABLATION WITH PACEMAKER IMPLANTATION
Mohammed Djelmami-Hani 1, Danielle Martin 1, Emily Queen 1, Julie Solie 1, Jasbir Sra 1
1 Aurora Health Care, Milwaukee, United States

Arrhythmia detection and monitoring
Anatomic anomalies

16-80  Abstract 24-19
A LARGE VEIN OF MARSHALL ANEURYSM
Gurjit Singh 1, Arfaat Khan 1, Marc K Singh 1, Waddah Maskoun 1, Claudio D Schuger 1
1 Henry Ford Hospital, Detroit, MI, United States

16-81  Abstract 24-13
CORONARY AND MAGNA CARDIAC VEIN ELECTROANATOMIC MAPPING PREDICTS THE CORONARY BRANCH SITE WITH LONGER ACTIVATION DELAY
Massimiliano Maines 1, Francesco Peruzza 1, Alessandro Zorzi 1, Carlo Angheben 1, Domenico Catanzariti 1, Maurizio Del Greco 1
1 Ospedale Santa Maria del Carmine, Rovereto, Italy

10:00 AM - 10:30 AM
Coffee break and Visit to the Posters

MONDAY APRIL 16, 2018
10:30 AM - 12:00 PM
ROOM COURCELLES
Abstract Oral session 7
Catheter ablation of atrial fibrillation 2
Chairpersons: Antony Chu (Providence, USA), Alawi Alsheikh Ali (Dubai, UAE)

7-1  Abstract 18-32
LOW COMPLICATION RATES USING HIGH POWER (45W UP TO 50W) FOR SHORT DURATION FOR ATRIAL FIBRILLATION ABLATIONS
Roger A. Winkle 1, Sanghamitra Mohanty 2, Rob A. Patrawala 1, R. Hardwin Mead 1, Melissa H. Kong 1, Gregory Engel 1, Jonathan Salcedo 1, Chintan G. Trivedi 2, Carola Gianni 2, Pierre Jais 3, Andrea Natale 2, John D. Day 4
1 Silicon Valley Cardiology, PAMF and Sutter Health, East Palo Alto, United States, 2 Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, United States, 3 Hôpital Haut-Lévêque, Bordeaux, France, 4 Intermountain Heart Rhythm Specialists, Park City, United States

7-2  Abstract 15-33
CRYO VERSUS RF USING NEXT GENERATION TECHNIQUES: SPEED AGAINST RADIATION PROTECTION
Kerstin Schmidt 1, Patrick Hörmann 1, Thomas Schenk 1, Matthias Merkel 1, Claus Schmitt 1, Armin Luik 1
1 Städtisches Klinikum Karlsruhe, Karlsruhe, Germany

7-3  Abstract 18-12
CONTACT-FORCE VERSUS NON-CONTACT FORCE SENSING CATHETER COMPLICATIONS: A DISTURBANCE IN THE FORCE
Brian McCauley 1, Esseim Sharma 1, Antony Chu 1
1 Alpert Medical School, Brown University, Providence, United States
7-4 Abstract 15-29
THE FACTORS WHICH AFFECT ATRIAL FIBRILLATION RECURRENTS AFTER MULTIPLE CATHETER ABLATIONS.
Masahiro Sekigawa 1, Kikou Lee 2, Shinya Shiohira 2, Atsuhiyo Yagishita 2, Shingo Maeda 2, Yoshihide Takahashi 2, Masahiko Goya 2, Kenzo Hirao 2
1 Department of Cardiology, Tokyo Medical and Dental University / Japan Redcross Musashino Hospital, Tokyo, Japan, 2 Department of Cardiology, Tokyo Medical and Dental University, Tokyo, Japan

7-5 Abstract 15-37
HYBRID ABLATIVE THERAPY FOR PATIENTS WITH PERSISTENT OR LONG STANDING PERSISTENT ATRIAL FIBRILLATION: A FRENCH SINGLE CENTER EXPERIENCE
Franck Mandel 1, Anne Rollin 1, Etienne Grunenwald 1, Pierre Mondoly 1, Benjamin Monteil 1, Bertrand Marcheix 1, Philippe Maury 1
1 CHU Rangueil, Toulouse, France

7-6 Abstract 15-25
COMPARISON OF THE 25MM AND THE 20MM SPIRAL MAPPING CATHETER FOR CRYOBALLOON POSITIONING AND DETERMINATION OF THE TIME TO PV ISOLATION
Valerie Elisabeth Weitensteiner 1, Florian Straube 1, Uwe Dorwarth 1, Stefan Hartl 1, Hans-Jürgen Krieg 1, Michael Wankerl 1, Ellen Hoffmann 1
1 Department of Cardiology and Internal Intensive Care Medicine, Heart Center Munich-Bogenhausen, Munich, Germany

MONDAY APRIL 16, 2018
10:30 AM - 12:00 PM
ROOM DAMES
Abstract Oral session 8
Progress in Cardiac Pacing and outcomes
Chairpersons: Dwight Reynolds (Oklahoma City, USA), Promund Obel (Johannesburg, ZA)

8-1 Abstract 23-20
ANALYSING MORTALITY VARIANCES BETWEEN RIGHT VENTRICULAR HIGH SEPTAL PACING AND RIGHT VENTRICULAR APICAL PACING FOLLOWING ATRIOVENTRICULAR NODE ABLATION: 10 YEARS FOLLOW-UP
William Eysenck 1, Neil Sulke 1, Stephen Furniss 1, Rick Veasey 1
1 Cardiology Research Department, Eastbourne General Hospital, East Sussex, United Kingdom

8-2 Abstract 22-10
REVERSAL OF ADVERSE STRUCTURAL AND ELECTRICAL REMODELING INDUCED BY RIGHT VENTRICULAR PACING IN CHRONIC ATRIOVENTRICULAR BLOCK UTILIZING PERMANENT HIS BUNDLE PACING: IMPLICATIONS FOR PACING INDUCED CARDIOMYOPATHY
Pugazhendhi Vijayaraman 1, Gopi Dandamudi 2, Suneet Mittal 3
1 Geisinger Heart Institute, Wilkes Barre, United States, 2 Indiana University, Indianapolis, United States, 3 Valley Health System, Ridgewood, United States

8-3 Abstract 08-15
PERMANENT PACEMAKER IMPLANTATION FOLLOWING TRICUSPID VALVE REPLACEMENT IN CARCINOID HEART DISEASE
Igor Sunjic 1, Vamsi Gaddipati 1, Edin Sadic 1, Dany Sayad 1
1 University of South Florida Department of Cardiovascular Medicine, Tampa, United States

8-4 Abstract 23-13
10-YEAR EXPERIENCE OF SINGLE CHAMBER PERMANENT EPICARDIAL PACEMAKER PLACEMENT FOR CHILDREN WITH CONGENITAL HEART DISEASE
Maurizio Santomauro 1, Gaetano Palma 1, Giuseppe Comentale 1, Raffaele Giordano 1, Carla Riganti 1, Vincenzo de Amicis 1, Giulio Garofalo 1, Gabriele Iannelli 1
1 Department of Cardiology, Cardiac Surgery and Cardiovascular Emergency, School of Medicine and Surgery, “Federico II” University of Naples, Napoli (NA), Italy
8-5 Abstract 23-11
AUTOMATED, HIGH-PRECISION ECHOCARDIOGRAPHIC AND HAEMODYNAMIC ASSESSMENT OF THE EFFECT OF ATRIOVENTRICULAR INTERVAL DURING RIGHT VENTRICULAR PACING IN OBSTRUCTED HYPERTROPHIC CARDIOMYOPATHY
Kayla Chiew 1, Ahran Arnold 1, Matthew Shun-Shin 1, Afzal Sohaib 1, Kevin Leong 1, James Howard 1, Daniel Keene 1, Leah Burden 1, Katherine March 1, Yousif Ahmad 1, Graham Cole 1, Prapa Kanagaratnam 1, David Lefroy 1, Darrel Francis 1, Amanda Varnava 1, Zachary Whinnett 1
1 Imperial College London, London, United Kingdom

8-6 Abstract 23-28
REAL WORLD EXPERIENCE: PACEMAKER IMPLANTATION FOLLOWING IMPLANTATION OF THE COREVALVE EVOLUTE PRO VALVE
James Gabriels 1, Joseph Donnelly 1, Jonathan Willner 1, Stuart Beldner 1, Apoor Patel 1
1 North Shore University Hospital - Northwell Health, Manhasset, United States

MONDAY APRIL 16, 2018
10:30 AM - 12:00 PM
ROOM DEBARCADERE
Abstract Oral session 9
Heart failure with depressed or preserved left ventricular function
Chairpersons: Christian Torp-Pedersen (Copenhagen, DK), Bharat Kantharia (New-York, USA)

9-1 Abstract 15-14
RISK OF ATRIAL FIBRILLATION IN HEART FAILURE WITH PRESERVED EJECTION FRACTION: RESULTS FROM THE TREATMENT OF CARDIAC FUNCTION WITH AN ALDOSTERONE ANTAGONIST (TOPCAT) STUDY
Jolien Neefs 1, Nicoline W.E. van den Berg 1, Sarah W. Baalman 1, Robin Wesselink 1, Wouter R. Berger 1, Eva Meulendijks 1, Makiri Kawasaki 1, Joris R. de Groot 1
1 Academic Medical Center, Amsterdam, Netherlands

9-2 Abstract 31-12
RESPONSE TO THE VALSALVA MANEUVER IN PATIENTS WITH HEART FAILURE, PULMONARY ARTERIAL HYPERTENSION, AND IN HEART TRANSPLANT RECIPIENTS
Jagdesh Kandala 1, Franz Rischard 2, Jennifer Huang Tsang 1, Mark Friedman 1, Frank Marcus 1
1 The University of Arizona, Sarver Heart, Tucson, United States, 2 The University of Arizona, College of Medicine, Tucson, United States

9-3 Abstract 31-11
CAN HEART FAILURE DEVELOPMENT IN ATRIAL FIBRILLATION PATIENTS BE IMPACTED BY THE CHOICE OF INITIAL TREATMENT STRATEGY?
April Slee 1, Sanjeev Saksena 1
1 Electrophysiology Research Foundation, Warren, United States

9-4 Abstract 31-10
INFLUENCE OF HEART RATE VARIABILITY ON HEART FAILURE DETERIORATION IN PATIENTS WITH ARTERIAL HYPERTENSION
Yuliya Shaposhnikova 1, Iryna Ilchenko 1
1 Kharkiv National Medical University, Kharkiv, Ukraine

9-5 Abstract 15-34
LONG-TERM PROGNOSTIC IMPACT OF ATRIAL FIBRILLATION IN PATIENTS WITH ACUTE DECOMPENSATED HEART FAILURE
Sergey Kozhukhov 1, Alexander Parkhomenco 1, Natalia Dovganych 1
1 NSC “The M.D.Strazhesko Institute of Cardiology”, Kiev, Ukraine
9-6 Abstract 24-17
SECONDARY MITRAL REGURGITATION IN HEART FAILURE. BENEFIT FROM CARDIAC RESYNCHRONIZATION THERAPY.
Nestor Galizio 1, Guillermo Carnero 1, Alejo Tronconi 1, Mauricio Mysuta 1, Alejandro Palazzo 1, José Luis Gonzalez 1, Liliana Favaloro 1, Rene Favaloro 1, Margarita Peradejordi 1, Roxana Ratto 1, Eduardo Guevara 1, José Salmo 1, Hugo Fragas 1
1 University Hospital-Favaloro Foundation, CABA, Argentina

MONDAY APRIL 16, 2018
10:30 AM - 12:00 PM
ROOM EPINETTES
Abstract Oral session 10
New insights in the mechanisms of Cardiac Arrhythmias
Chairpersons: Nicholas Peters (London, GB), Magdi Sami (Montreal, CA)

10-1 Abstract 01-29
GAP JUNCTION COUPLING IS A MAJOR DETERMINANT OF THE UNDERLYING MECHANISM OF MYOCARDIAL FIBRILLATION
Balvinder Handa 1, Caroline Roney 2, David Pitcher 1, Charles Houston 1, Konstantinos Tzortzis 1, Richard Jabbour 1, Javier Carbello Garcia 1, Catherine A Mansfield 1, Chris Cantwell 1, Emmanuel Dupont 1, Rasheeda Chowdhury 1, Steven Niederer 2, Nicholas Peters 1, Fu Siong Ng 1
1 Imperial College London, London, United Kingdom, 2 King’s College London, London, United Kingdom

10-2 Abstract 01-21
MACHINE LEARNING PREDICTS FIBROSIS IN EX VIVO HUMAN CARDIAC SLICES USING ELECTROGRAM FEATURES BUT NOT VOLTAGE AND FRACTIONATION
Konstantinos Tzortzis 1, Andre Simon 2, Filippo Perbellini 1, Cesare Terracciano 1, Chris Cantwell 1, Nicholas S. Peters 1, Rasheeda A. Chowdhury 1
1 Imperial College London, London, United Kingdom, 2 Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom

10-3 Abstract 15-26
RELAXIN ACTS VIA WNT SIGNALING TO SUPPRESS ATRIAL FIBRILLATION
Guy Salama 1, Guillermo Romero 1, Beth Gabris-Weber 1, Brian Martin 1
1 University of Pittsburgh, Pittsburgh, United States

10-4 Abstract 01-28
INTERVENTRICULAR ACTION POTENTIAL DURATION RESTITUTION DIFFERENCES CONTRIBUTE TO DIFFERENTIAL CYCLE LENGTHS OBSERVED DURING VENTRICULAR TACHYCARDIA
Balvinder Handa 1, Saheed Lawal 1, Ian J Wright 1, Catherine A Mansfield 1, Rasheeda Chowdhury 1, Richard J Jabbour 1, Nicholas Peter 1, Fu Siong Ng 1
1 Imperial College London, London, United Kingdom

10-5 Abstract 01-17
THE UPSLOPE OF THE PRECORDIAL ECG T-WAVE REPRESENTS LOCAL REPOLARIZATION DIFFERENCES BETWEEN RIGHT AND LEFT VENTRICLE
Neil Srinivasan 1, Michele Orini 1, Rui Providencia 1, Ron Simon 1, Martin Lowe 1, Oliver Segal 1, Anthony Chow 1, Fakhar Khan 1, Peter Taggart 1, Peter Taggart 1, Pier Lambiase 1
1 Barts Heart Centre, London, United Kingdom

10-6 Abstract 17-18
NITROCELLULOSE CARBON NANOTUBE BIOINK IMPROVES CONDUCTION WHEN DIRECTLY INJECTED INTO INFARCTED MYOCARDIUM
Dawn Pedrotty 1, Erdem Karabulut 2, Alan Sugrue 3, Christopher Livia 3, Vaibhav Vaidya 3, Christopher McLeod 3, Paul Gatenholm 2, Suraj Kapa 3
1 University of Pennsylvania, Philadelphia, United States, 2 Chalmers University, Gothenburg, Sweden, 3 Mayo Clinic College of Medicine, Rochester, United States
**MONDAY APRIL 16, 2018**

10:30 AM - 12:00 PM

ROOM REMBRANDT

Abstract Oral session 11

Cardiac arrhythmia mechanisms

Chairpersons: Dobromir Dobrev (Essen, DE), Renée Sullivan (Nashville, US)

11-1 Abstract 05-15

**CELL-SPECIFIC ABLATION FOR CARDIAC ARRHYTHMIAS**

Jerome Kalifa 1

1 Brown University, Providence, United States

11-2 Abstract 15-30

**CHARACTERIZATION OF LOCALIZED DRIVERS THAT PLAY A MECHANISTIC ROLE IN PERSISTENT ATRIAL FIBRILLATION**

Shohreh Honarbakhsh 1, Richard J Schilling 1, Rui Providencia 1, Emily Keating 1, Simon Sporton 1, Martin Lowe 1, Anthony Chow 1, Mark J Earley 1, Ross J Hunter 1

1 Barts Heart Centre, Barts Health NHS trust, London, United Kingdom

11-3 Abstract 14-11

**VALIDATION OF A NOVEL MAPPING SYSTEM AND UTILITY FOR MAPPING COMPLEX ATRIAL TACHYCARDIAS**

Shohreh Honarbakhsh 1, Richard J Schilling 1, Gurpreet Dhillon 1, Rui Providencia 1, Emily Keating 1, Anthony Chow 1, Mark J Earley 1, Ross J Hunter 1

1 Barts Heart Centre, Barts Health NHS trust, London, United Kingdom

11-4 Abstract 17-25

**NEGATIVE ALLOSTERIC MODULATION OF SMALL-CONDUCTANCE CALCIUM-ACTIVATED POTASSIUM CHANNELS DURING ACUTE MYOCARDIAL INFARCTION IN A PORCINE MODEL**

Anniek Frederike Lubberding 1, Stefan M. Sattler 2, Shaida Panbachi 3, Morten Grunnet 3, Jacob Tfelt-Hansen 2, Thomas Jespersen 1

1 Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark, 2 Department of Cardiology, Heart Centre, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, 3 Acesion Pharma, Copenhagen, Denmark

11-5 Abstract 15-38

**APPLICATION OF A NOVEL SILICON RHODAMINE BASED VOLTAGE SENSITIVE DYE FOR LONG-TERM MAPPING OF COMPLEX CONDUCTION AND FIBRILLATION**

David S. Pitcher 1, Rasheda A. Chowdhury 1, Gloria Ortiz 2, Steven Boggess 2, Evan W. Miller 2, Prapa Kanagaratnam 1, Fu Siong Ng 1, Nicholas S. Peters 1

1 Imperial College London, London, United Kingdom, 2 University of California, Berkeley, California, United States

11-6 Abstract 15-48

**STRUCTURAL REMODELING AND CONDUCTION VELOCITY DYNAMICS IN THE HUMAN LEFT ATRIUM: RELATIONSHIP WITH REENTRANT MECHANISMS SUSTAINING ATRIAL TACHYCARDIA AND ATRIAL FIBRILLATION**

Shohreh Honarbakhsh 1, Richard J Schilling 1, Michele Orini 1, Rui Providencia 1, Emily Keating 1, Martin Lowe 1, Simon Sporton 1, Malcolm Finlay 1, Anthony Chow 1, Mark J Earley 1, Ross J Hunter 1

1 Barts Heart Centre, Barts Health NHS trust, London, United Kingdom
MONDAY APRIL 16, 2018

ROOM TERNES
Chaired Poster Session C part 2

Posters displayed from 08:30 am-12:00 pm
Presenters and Chairpersons present from 10:30am-12:00pm

Chairpersons: Douglas Packer (Rochester, USA); Martin Borggrefe (Mannheim, DE)

**Ventricular Arrhythmias**

16-82  Abstract 18-39
**RETROGRADE CORONARY VENOUS AND INTRACORONARY ETHANOL ABLATION OF VENTRICULAR ECTOPICS: A CASE SERIES**

Vinit Sawhney 1, Sarah Whittaker—Axon 1, Alex McLellan 1, Costas O’Mahoney 1, Mick Ozkor 1, Charles Knight 1, Elliot Smith 1, Pier Lambiase 1, Anthony Chow 1, Martin Lowe 1, Richard Schilling 1, Ross Hunter 1, Simon Sporton 1, Mehul Dhinoja 1

1 Barts Heart Centre, London, United Kingdom

16-83  Abstract 18-45
**DIFFERENT RESPONSE TO RADIOFREQUENCY ENERGY AND FOCUS DEPTH IN EFFECTIVE PREMATURE VENTRICULAR COMPLEXES ABLATION.**

Giuseppina Belotti 1, Paola Negrini 1, Maria Elisabetta Bellebono 1

1 ASST Bergamo Ovest, Treviglio, Italy

16-84  Abstract 18-47
**CLINICAL EFFICACY OF REMOTE MAGNETIC NAVIGATION GUIDED CATHETER ABLATION OF PREMATURE VENTRICULAR CONTRACTIONS**

Gurjit Singh 1, Marc K Lahiri 1, Arfaat Khan 1, Claudio D Schuger 1

1 Henry Ford Hospital, Detroit, MI, United States

16-85  Abstract 18-31
**DOES ANTI-THROMBOTIC USE IMPACT COMPLICATION RATES IN PATIENTS UNDERGOING VT OR PVC ABLATION?**

Douglas Cannie 1, Jem Lane 1, Elena Volkova 1, Anthony Chow 1, Mark Earley 1, Ross Hunter 1, Fakhar Khan 1, Pier Lambiase 1, Richard Schilling 1, Simon Sporton 1, Mehul Dhinoja 1

1 Barts Heart Centre, London, United Kingdom

16-86  Abstract 17-12
**PREMATURE VENTRICULAR CONTRACTIONS ORIGINATING FROM LEFT VENTRICLE CLOSE TO THE HIS BUNDLE REGION.**

Tomomichi Suzuki 1, Daizo Ishihara 1, Shigeki Kobayashi 1

1 Department of Cardiology, Inazawa municipal hospital, Inazawa, Japan

16-87  Abstract 28-10
**THE ROLE OF PREOPERATIVE NONINVASIVE MAPPING IN THE ELIMINATION OF VENTRICULAR ARRHYTHMIAS**

Elena Artyukhina 1, Amiran Revishvili 1, Maxim Yshkov 1

1 Institute of Surgery named after A.V. Vishnevsky, Moscow, Russia

**Oral anticoagulation**

16-88  Abstract 15-39
**QI AND AUDIT PROJECT ON IMPROVEMENT OF ANTICOAGULATION IN ATRIAL FIBRILLATION TO PREVENT ISCHAEMIC STROKE USING A RISK STRATEGIZING DISCHARGE CHECKLIST**

Omotomilola Bajomo 1, Aye Hline 1, Fred Foo 1

1 Barking, Havering and Redbridge NHS Trust, London, United Kingdom

16-89  Abstract 07-13
**HIGH SAMETT2ZR2 DOES NOT PREDICT POOR ANTICOAGULATION WITH WARFARIN IN A COLOMBIAN POPULATION**

Guillermo Mora 1, Carmen Sandoval 1, Fabio Sierra 1, Martha Hernandez 2

1 Universidad Nacional de Colombia, Bogota, Colombia, 2 Clinica Colombia, Bogota, Colombia
Retro-Mapping: A Novel 5D Mapping Method for Atrial Fibrillation Shows Spatiotemporal Stability

Ian Mann, Nick Linton, Szabolcs Nagy, Norman Qureshi, Mike Koa-Wing, Phang Boon Lim, Zachary Whinnett, D. Wyn Davies, David Lefroy, Darrel Francis, Nicholas Peters, Prapa Kanagaratnam

Imperial College Healthcare NHS Trust, London, United Kingdom

Utility of Ultra-High-Density Activation Mapping for Ablation in Congenital Heart Disease Compared to Structurally Normal Hearts

Vinit Sawhney, Sarah Whittaker-Axon, Luisa Baca, Holly Daw, Anthony Chow, Pier Lambiase, Vivienne Ezzat, Martin Lowe

Barts Heart Centre, London, United Kingdom

Bipolar Voltage Variability in Left Atrial Ultra-High-Density 3D Maps (RHYTHMIA®) in Patients with Paroxysmal AF

Korbinian Lackermair, Konstantinos Rizas, Moritz Sinner, Stephanie Fichtner, Heidi Estner

University of Munich, Department of Cardiology, Munich, Germany

High Density Mapping of Recurrent Right Atrial Flutter in a Biatrial Orthotopic Heart Transplant Recipient

Gurjit Singh, Arfaat Khan, Marc K Lahiri, Waddah Maskoun, Claudio D Schuger

Henry Ford Hospital, Detroit, MI, United States

Bipolar Voltage Variability in Left Atrial Ultra-High-Density 3D Maps (RHYTHMIA®) in Patients Undergoing Pulmonary Vein Isolation

Korbinian Lackermair, Kostantinos Rizas, Moritz Sinner, Stephanie Fichtner, Heidi Estner

University of Munich, Department of Cardiology, Munich, Germany

Ospedale Santa Maria del Carmine, Rovereto, Italy

NOACs: Between the Present and the Future

Chairpersons: Samuel Lévy (Marseille, FR), Riccardo Cappato (Milan, IT)

Opening: Samuel Levy

1. NOACs: Lessons from the GARFIELD Registry
   John Camm (London, GB)

2. NOACs: Beyond Cardiac Arrhythmias
   Riccardo Cappato (Milan, IT)

3. The PIONEER AF-PCI Trial
   Christian Spaulding (Paris, FR)

4. Round Table: Discussion with the Audience

Closing: Riccardo Cappato
MONDAY APRIL 16, 2018
2:00 PM - 3:30 PM
ROOM COURCELLES
Session HD-04

Atrial fibrillation and heart failure: where are we now?
Chairpersons: Sanjeev Saksena (Warren, USA), Antonio Raviele (Venice, IT)
1. Prognostic significance of atrial fibrillation in patients with heart failure
   Antonio Raviele (Venice, IT)
2. Interference of atrial fibrillation with heart failure therapy
   Dubravko Petrac (Zagreb, HR)
3. Role of antiarrhythmic therapy in patients with AF and heart failure
   Samuel Lévy (Marseille, FR)
4. Is it the time to offer catheter ablation of AF as a first-line therapy in chronic heart failure?
   Riccardo Cappato (Milan, IT)

MONDAY APRIL 16, 2018
2:00 PM - 3:30 PM
ROOM DAMES
Session AB-04

Advances in VT ablation: from physiology to therapy
“We need to learn before we burn!” Mark Josephson
Chairpersons: Noel Boyle (Los Angeles, USA), Peter Zimetbaum (Boston, USA)
1. Determinants of slow conduction in the diseased heart
   Andre Kleber (Bern, CH and Boston, USA)
2. “The reentry vulnerable zone” a new target for VT ablation
   Elad Anter (Boston, USA)
3. Mapping techniques to identify the reentry vulnerable zones
   Luigi Di Biase (New York City, USA)
4. “Core isolation of VT substrate: subendocardial resection without surgery, is it possible?”
   Wendy Tzou (Aurora, USA)

MONDAY APRIL 16, 2018
2:00 PM - 3:30 PM
ROOM DEBARCADERE
Session SP-12

ECG Interpretation course (Part 3: tachycardia with wide QRS complexes)
A tribute to Boris Surawicz (1917-2015)
Chairpersons: Nicholas Peters (London, GB), Robert Frank (Paris, FR)
Introduction: Boris Surawicz, A great Electrocardiography Teacher - 5min
1. Tachycardias with pre-excited QRS complexes
   Leonardo Calo (Rome, IT)
2. Ventricular tachycardias: diagnostic criteria and what we learnt from ablation?
   Francis Marchlinski (Philadelphia, USA)
3. Supraventricular tachycardias with aberrant conduction
   Robert Frank (Paris, FR)
MONDAY APRIL 16, 2018
2:00 PM - 3:30 PM
ROOM EPINETTES
Session SP-13

"Precision medicine" in arrhythmology
Chairpersons: Albert Waldo (Cleveland, USA), Alawi Alsheikh-Ali (Dubai, UAE)
1. Atrial fibrillation: how to better characterize the different subgroups of patients in this syndrome
   Etienne Aliot (Nancy, FR)
2. Mechanism-based stratification of atrial fibrillation: achievable goal or fiction?
   Dobromir Dobrev (Essen, DE)
3. Risk stratification in idiopathic cardiomyopathy: LV ejection fraction only?
   Stefan Kaab (Munich, DE)
4. ECG mapping: the future?
   Leonardo Calo (Rome, IT)

MONDAY APRIL 16, 2018
2:00 PM - 3:30 PM
ROOM REMBRANDT
Session SP-14

Evolution of ICD trials for the prevention of sudden cardiac death
Chairpersons: Gerhardt Steinbeck (Munich, DE), Poul Erik Bloch-Thomsen (Copenhagen, DK)
1. "What have we learned, then and now, from the MADIT trials, SCD-heft, IRIS, and other similar trials?
   David Cannom (Los Angeles, USA)
2. Do we need better risk assessment to increase the benefit of future primary prevention trials?
   Helmut Klein (Munich, DE)
3. The DANISH Trial - current results and future directions
   Lars Kober (Copenhagen, DK)
4. Are we ready to change practice guidelines based on the DANISH trial and recent meta-analysis: are more trials needed?
   David Benditt (Minneapolis, USA)

MONDAY APRIL 16, 2018
2:00 PM - 3:30 PM
ROOM TERNES
Chaired Poster Session D part 1
Posters displayed from 02:00 pm-05:30 pm
Presenters and Chairpersons present from 02:00pm-03:30pm

Atrial arrhythmias
Chairpersons: Alessandro Capucci (Ancona, IT); Thorsten Lewalter (Munich, DE)
16-98 Abstract 18-36

ATRIAL TACHYARRHYTHMIA ABLATION IN LATERAL TUNNEL FONTAN PATIENTS: A CASE SERIES
Vinit Sawhney 1, Holly Daw 1, Sarah Whittaker-Axon 1, Seamus Cullen 1, Katherine Von Klemperer 1, Bejal Pandya 1, Fiona Walker 1, Martin Lowe 1, Vivienne Ezzat 1
1 Barts Heart Centre, London, United Kingdom
16-99  Abstract 15-41
MOST COMMON POTENTIAL DRUG INTERACTIONS WITH ORAL ANTICOAGULANTS FOR ATRIAL FIBRILLATION PATIENTS
Ketija Apsite 1, Katrina Pukite 1, Andris Tupahins 1, Natalija Nikrus 1, Baiba Lurina 1, Irina Pupkevica 1, Aivars Lejnieks 1, Oskars Kalejs 1
1 Riga Stradins University, Riga, Latvia

16-100  Abstract 15-42
DOES GOUT MATTER IN PATIENTS WITH ATRIAL FIBRILLATION?
Antoniya Kisheva 1, Yoto Yotov 1, Trifon Chervenkov 1, Yana Bocheva 1
1 University hospital "St Marina", Varna, Bulgaria

16-101  Abstract 15-46
FEASIBILITY OF NON-INVASIVE ASSESSMENT OF ATRIAL FIBRILLATORY RATE AND ITS MODIFICATION BY FLECAINIDE IN HORSES WITH INDUCED ATRIAL FIBRILLATION
Eva Zander Hesselkilde 1, Helena Carstensen 1, Maria Mathilde Haugaard 1, Jonas Carlson 2, Thomas Jespersen 3, Rikke Buhl 1, Pyotr G. Platonov 2
1 Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark, 2 Department of Cardiology, Clinical Sciences, Lund University, Lund, Sweden, Lund, Sweden, 3 Department of Biomedicine Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark

16-104  Abstract 26-11
A NEW MANAGEMENT STRATEGY FOR AF IN THE EMERGENCY DEPARTMENT
Sorabh Kothari 1, Sujeen Adhikari 1, Michelle Nellett 2, William Spear 2, Arya Nikamal, Zoya Hussain
1 University of Illinois Chicago/Advocate Christ Medical Center, Oak Lawn, United States, 2 Advocate Christ Medical Center, Oak Lawn, United States

16-105  Abstract 28-12
DIFFERENCES IN ATRIAL FIBRILLATION DRIVER CHARACTERISTICS ON 2D GRIDS COMPARED TO PATIENT-SPECIFIC 3D ATRIAL CONTOURS
Albert Rogers 1, Orvil Collart 1, Ricardo Abad 1, Rachita Navara 1, Mark Swerdlow 1, Mahmood Alhusseini 1, Miguel Rodrigo 1, Christopher Kowalewski 1, Junaid Zaman 1, Tina Baykaner 1, Wouter-Jan Rappel 1, Sanjiv Narayan 1
1 Stanford University, Stanford, United States

16-106  Abstract 18-22
LEFT ATRIAL DIAMETER DOES NOT PREDICT LEFT ATRIAL SCAR BURDEN: A COHORT STUDY
Dinesh Voruganti 1, Oluwaseun Adeola 1, Ghanshyam Shantha 1, Amgad Mentias 1, Chad Ward 1, Michael Giudici 1
1 University of Iowa Hospitals, Iowa City, United States

16-107  Abstract 18-46
ABLATION OF ATRIO-VENTRICULAR NODAL REENTRY TACHYCARDIA WITH A FORCED SENSE AND OPEN IRRIGATED CATHETER: A SINGLE CENTER EXPERIENCE
Bengt Herweg 1, Nicholas Kotch 1, Anant Kharod 1, Sanders Chae 1, Michael Fradley 1, Raymond Cutro 1, David Wilson 1
1 University of South Florida Morsani College of Medicine, Tampa, Florida, United States

16-108  Abstract 15-22
PREVENTION OF ATRIAL FIBRILLATION BY STATINS IN THE ACUTE CORONARY SYNDROM WITH ST SEGMENT ELEVATION (STEMI)
Marouane Mahjoub 1, Waies Labidi 1, Mejdi Ben Messaoud 1, Ayoub Belfkhi 1, Majed Hassine 1, Zohra Dridi 1, Fethi Betbout 1, Habib Gamra 1
1 Cardiology department A : Fattouma Bourguiba University Hospital, Monastir, , Monastir, Tunisie

Left Atrial Appendage Occlusion
16-110  Abstract 15-63
3 YEAR RESULTS WITH INTERVENTIONAL LEFT ATRIAL APPENDAGE OCCLUSION IN A 2-CENTER-EXPERIENCE
Michael Mehr 1, Lisa Riesinger 1, Claudia Sabrina Summo 1, Daniel Braun 1, Heidi Estner 1, Steffen Massberg 1, Jörg Hausleiter 1, Martin Hinterseer 2, Reza Wakili 3
1 Munich University Clinic (LMU), Munich, Germany, 2 Füssen Hospital, Füssen, Germany, 3 Westdeutsches Herz- und Gefäßzentrum, Essen, Germany
16-111 Abstract 15-56
CLINICAL IMPACT OF INCOMPLETE LEFT ATRIAL APPENDAGE CLOSURE IN PATIENTS WITH ATRIAL FIBRILLATION
Lisette Wintgens 1, Martijn Klaver 1, Martin Swaans 1, Arash Alipour 1, Benno Rensing 1, Lucas Boersma 1
1 St Antonius Hospital, Nieuwegein, Netherlands

16-113 Abstract 18-20
LEFT ATRIAL CATHETER ABLATION IN PATIENTS WITH PREVIOUSLY IMPLANTED LEFT ATRIAL APPENDAGE CLOSURE DEVICES
Lisette Wintgens 1, Martijn Klaver 1, Martin Swaans 1, Arash Alipour 1, Jippe Balt 1, Vincent van Dijk 1, Benno Rensing 1, Maurits Wijffels 1, Lucas Boersma 1
1 St. Antonius Hospital, Nieuwegein, Netherlands

3:30 PM - 4:00 PM
Coffee break and visit to the Posters

MONDAY APRIL 16, 2018
4:00PM-5:30PM
ROOM COURCELLES
Session HD-05
Supported by an educational grant from Bayer AG

Issues in management of atrial fibrillation
Chairpersons : Mark Estes III (Boston, USA), Alessandro Capucci (Ancona, IT)

1. Still valuable lessons learned from the rate vs rhythm control trials (AFFIRM, AF CHF, etc.)
   Albert Waldo (Cleveland, USA)

2. Lessons learned from Registry ("real world") study data (PINNACLE, PREFER, GARFIELD AF, ORBIT AF, Record AF, GLORIA AF, AFNET)
   Gunter Breithardt (Munster, DE)

3. What is new in the last version of the consensus document on AF ablation
   Mark Estes III (Boston, USA)

4. What do the data instruct us about utilizing anticoagulation and transesophageal echocardiography (TEE) in patients with new onset atrial fibrillation undergoing cardioversion?
   Alessandro Capucci (Ancona, IT)

MONDAY APRIL 16, 2018
4:00PM-5:30PM
ROOM DAMES
Session SP-15
Japan HRS-ECAS (DRAFT)
Program coordinators: Samuel Lévy (ECAS) and Yuji Nakazato (JHRS)

Cardiac resynchronisation therapy (CRT): unsolved issues
Chairpersons: Yuji Nakazato (Tokyo, JP), Mohammad Shenasa (San Jose, USA)

1. Responder with non-LBBB ECG
   Haruhiko Abe (Kitakyushu, JHRS)

2. Proarrhythmic effect of CRT
   Gilles Lascault (Paris, FR)

3. Upgrade strategy from PM/ICD
   Masahiko Takagi (Osaka, JHRS)

4. Multipoint pacing: bright future?
   Luca Santini (Rome, IT)
Atrial fibrillation II: honing in persistent AF
Chairpersons: Wyn Davies (London, GB), Richard Schilling (London, GB)
1. One-shot ablation one year after FIRE and ICE: is cryoballoon ablation better than RF balloon ablation?
   Prapa Kanagaratnam (London, GB)
2. Countering the dangers of contact force ablation for atrial fibrillation: what the clinician needs to know?
   Richard Schilling (London, GB)
3. Is it time for ablation of asymptomatic atrial fibrillation to prevent stroke and mortality occurrence?
   Luigi Di Biase (New York, USA)
4. Ground breaking innovations in ablation therapy
   Gerhard Hindricks (Leipzig, DE)

Cardiovascular manifestations of dysautonomia syndromes
Chairpersons: David Cannom (Los Angeles, USA), David Benditt (Minneapolis, USA)
1. The spectrum of dysautonomia syndromes that cardiologists need to be aware of
   Gert van Dijk (Leiden, NL)
2. Inflammatory conditions and mast cell disorders causing POTs-like presentations
   David Cannom (Los Angeles, USA)
3. Vasovagal and reflex: why are they only present in Humans?
   Jean-Jacques Blanc (Brest, FR)
4. Vasovagal and reflex syncope: evolving understanding of the neuroendocrine milieu
   Richard Sutton (Monaco, MC)
5. Plasma catecholamines and susceptibility to reflex syncope during head-up Tilt testing
   David Benditt (Minneapolis, USA)

Developments in device management
Chairpersons: Thomas Deering (Atlanta, USA), Massimo Santini (Rome, IT)
1. Antibiotic pouch for prevention of device infections
   Khalidoun Tarakji (Cleveland, USA)
2. The future of leadless pacemakers
   Werner Jung (Villingen, DE)
3. Selection of patients for His Bundle Pacing
   Pugazhendhi Vijayaraman (Wilkes Barre, USA)
4. Impact of remote monitoring on patient outcomes.
   Niraj Varma, (Cleveland, USA)
ROSTER TERTIES
Chaired Poster Session D part 2
Posters displayed from 02:00 pm-05:30 pm
Presenters and Chairpersons present from 04:00pm-05:30pm
Chairpersons: Albert Waldo (Cleveland, USA); Warren Jackman (Milwaukee and Oklahoma City)

Ablation of Supraventricular tachycardias
16-114 Abstract 13-10
BENEFIT OF HIGH DENSITY 3D MAPPING IN ACCESSORY PATHWAYS ABLATION PROCEDURES
Kerstin Schmidt 1, Patrick Hörmann 1, Matthias Merkel 1, Gerhard Schymik 1, Claus Schmitt 1, Armin Luik 1
1 Medizinische Klinik IV, Kardiologie, Angiologie und Internistische Intensivmedizin, Städtisches Klinikum Karlsruhe gGmbH, Karlsruhe, Germany

16-115 Abstract 13-11
TRANSSEPTAL OR RETROGRADE APPROACH FOR TRANSCATHETER ABLATION OF LEFT SIDED ACCESSORY PATHWAYS: A SYSTEMATIC REVIEW AND META-ANALYSIS
Matteo Anselmino 1, Mario Matta 1, Andrea Saglietto 1, Leonardo Calò 2, Carla Giustetto 1, Marco Scaglione 3, Fiorenzo Gaita 1
1 Cardiology Division, Department of Medical Sciences, University of Turin, Torino, Italy, 2 Cardiology Division, Policlinico Casilino, Roma, Italy, 3 Cardiology Division, Cardinal Massaia Hospital, Asti, Italy

16-116 Abstract 13-12
ACCESSORY PATHWAYS IN ELDERLY PATIENTS: CLINICAL AND ELECTROPHYSIOLOGICAL FEATURES
Carlos Gonzalez-Rebeles Guerrero 1, Luis Molina 1, Carlos Gutierrez Gonzalez 1, Oscar Bazan Rodriguez 1, Eduardo Del Rio Bravo 1, Luis Molina 1
1 General Hospital of Mexico, Mexico City, Mexico

16-117 Abstract 05-13
HE USE OF ATRIAL ELECTROGRAM MORPHOLOGY AS A SUPRAVENTRICULAR TACHYCARDIA Discriminator
Joseph Donnelly 1, Jonah Zeitlin 1, Jonathan Willner 1, Apoor Patel 1, Haisam Ismail 1, Ram Jadonath 1, Stuart Beldner 1
1 Northwell Health, Manhasset, United States

16-118 Abstract 12-10
INCESSANT ATRIOVENTRICULAR NODAL REENTRY LEADING TO SYSTOLIC HEART FAILURE
Audrey Nicholson 1, Keith Suarez 1, Steven Costa 1, Javier Banchs 1
1 Baylor Scott & White Health, Temple, United States

Management of patients with atrial fibrillation
16-120 Abstract 15-24
A NEW APPROACH FOR CARdioversion OF RECENT ONSET ATRIAL Fibrillation.
Stefanos Papastefanou 1, Ioanna Sideri 1, Ioannis Tsounos 1
1 Department of Cardiology, G.H “St.Paul”, Thessaloniki, Greece

16-121 Abstract 15-23
IDENTIFYING THE UNDIAGNOSED AF PATIENT THROUGH ‘KNOW YOUR PULSE’ COMMUNITY PHARMACY BASED EVENTS HELD ACROSS TEN COUNTRIES
Trudie Lobban 1, Nigel Breakwell 1, Sotiris Antoniou 2, Nadya Hamed 3, Filipa Alves de Costa 4, Vivian Lee 5, Katarina Mala 6, John Papastergiou 7, Dale Griffiths 8, Fabio deRango 9, Lola Murillo 10, Marie-Camille Chaumais 11, Reke Viola 12, Ema Paulino 13, Kurt Hersberger 14, Ben Freedman 15
1 Arrhythmia Alliance, Chipping Norton, United Kingdom, 2 UCL Partners, London, United Kingdom, 3 Health Innovation Network, London, United Kingdom, 4 Centro de Investigagcias Interdisciplinar Egas Moniz, Lisbon, Portugal, 5 School of Pharmacy, Chinese University of Hong Kong, China, 6 Charles University, Prague, Czech Republic, 7 University of Toronto, Toronto, Canada, 8 Westview Pharmacy, Auckland, New Zealand, 9 Shoppers Drug Mart, Toronto, Canada, 10 Sociedad Espanola de Farmacia Familiar y Comunitaria, Sociedad, Spain, 11 Universite Paris Sud, Paris, France, 12 Faculty of Pharmacy, University of Szeged, Szeged, Hungary, 13 Farmacias Holon, Almada, Portugal, 14 University of Basel, Basel, Switzerland, 15 Heart Resarch Institute, University of Sydney, Sydney, Australia
16-122 Abstract 15-68
OBSTRUCTIVE SLEEP APNEA; A KEY DETERMINANT IN THE SUCCESS OR FAILURE OF ABLATIVE THERAPY FOR ATRIAL FIBRILLATION?
Brian C. Pomerantz1, Andrea N. Dore1, Jisuk Park1, Vincent Mysliwiec1, Gregg G. Gerasimon1
1San Antonio Military Medical Center, San Antonio, USA

16-123 Abstract 15-43
A NURSE-DELIVERED MINDFULNESS-EDUCATION INTERVENTION TO REDUCE SYMPTOMS AND IMPROVE QUALITY OF LIFE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION: THE MEND-AF STUDY
Linda Ottoboni 1, Paul Wang 1, Janine Cataldo 2
1Stanford Healthcare, Stanford, United States, 2University of California, School of Nursing, San Francisco, CA, United States

Risk stratification and prevention in patients with heart disease
16-124 Abstract 21-10
ELEVATED LONG-TERM RESTING HEART RATE AND SYSTOLIC BLOOD PRESSURE VARIATION IS ASSOCIATED WITH INCREASED RISK OF ALL-CAUSE MORTALITY IN NORTHERN CHINA
Xiaolei Yang1, Tesfaldet Habtemariam Hidru1, Xu Han1, Binhao Wang2, Shouling Wu3, Yunlong Xia1
1First Affiliated Hospital of Dalian Medical University, Dalian, China, 2Ningbo First Hospital, Ningbo, China, 3Kailuan General Hospital, Tangshan, China

16-125 Abstract 07-12
COMBINED APPROACH USING CATHETER-BASED RENAL SYMPATHETIC DENERVATION AND CATHETER ABLATION OF LEFT ATRIUM FOR TREATMENT PATIENT WITH RESISTANT ARTERIAL HYPERTENSION AND PERSISTENT ATRIAL FIBRILLATION: A CASE REPORT
Evgeny Zhelyakov1, I Zotova2, Aleksey Konev2, Orys Khymiy3, Anton Staferov3, Aleksey Knigin1, Vladimir Kolesnikov4, Madina Baykulova4, Natalia Maskova4, Andrey Aradshev1
1Moscow State University, Moscow, Russia, 2Central State Medical Academy, Moscow, Russia, 3Federal Scientific and Clinical Centre of FMBA, Moscow, Russia, 4Regional Clinical Cardiological Dispensary, Stavropol, Russia

Ablation of ventricular arrhythmias
16-126 Abstract 07-16
AMBULANT ECG CHANGINGS PREVIOUS TO PHENOTYPIC EXPRESSION FOR 8 YEARS IN AN ELITE ATHLETE WITH HYPERTROPHIC CARDIOMYOPATHY: PUT THE EVIDENCE INTO PRACTICE
Dan Han1, Guoliang Li1
1First Hospital of Xi’an Jiaotong University, Xi’an, China

16-127 Abstract 03-15
CONGENITAL DILATED CARDIOMYOPATHY UNMASKED BY PREGNANCY
Dan Han1, Yanrong Yin1, Chaofeng Sun1, Guoliang Li1
1First Hospital of Xi’an Jiaotong University, Xi’an, China

16-128 Abstract 17-11
VENTRICAL SCAR PROLONGS ACTION POTENTIAL DURATION, RESULTING IN SPATIAL DISPERSION OF REPOLARISATION THAT PROMOTES REGIONAL AND TRANSMURAL REENTRY IN PATIENTS WITH VENTRICULAR TACHYCARDIA
Neil Srinivasan1, Michele Orini1, Rui Providencia1, Claire Martin1, Mehul Dhinoja1, Peter Taggart1, Syed Ahsan1, Martin Lowe1, Anthony Chow1, Ross Hunter1, Richard Schilling1, Pier L1
1Barts Heart Center, London, United Kingdom

16-129 Abstract 17-20
EXPERIENCE OF SURGICAL ABLATION FOR REFRACTORY VENTRICULAR TACHYCARDIA
Masahiko Goya1, Shingo Maeda1, Atsuhiko Yagishtta1, Masahiro Sekigawa1, Shinya Shiohira1, Yoshihide Takahashi1, Mihoko Kawabata1, Kiko Lee1, Tomohiro Mizuno2, Hirokuni Hiroa2, Kenzo Hirao1
1Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan, 2Department of Cardiovascular Surgery, Tokyo Medical and Dental University, Tokyo, Japan
MONDAY APRIL 16, 2018

5:30 PM - 6:15 PM
ROOM COURCELLES
Debate 1

PVI in heart failure patients with AF should be first line therapy
Chairpersons: Wyn Davies (London, GB), Andrey Ardashev (Moscow, RU)
Protagonist: Luigi Di Biase, (New York City, USA) - Antagonist: Riccardo Cappato (Milan, IT)

MONDAY APRIL 16, 2018

5:30 PM - 6:15 PM
ROOM DAMES
Debate 2

CRT responders can be predicted using a pre-defined score (L2ANDS2)
Chairpersons: Werner Jung (Villingen, DE), Stefan Kääb (Munich, DE)
Protagonist: Erwan Donal (Rennes, FR) - Antagonist: Carlo Lavalle (Rome, IT)

MONDAY APRIL 16, 2018

5:30 PM - 6:15 PM
ROOM EPINETTES
Debate 3

The guidelines on primary prevention ICD in non-ischemic cardiomyopathy should be revised
Chairpersons: Luc De Roy (Louvain, BE), Martin Borggrefe (Mannheim, DE)
Protagonist: Lars Kober (Copenhagen, DK) - Antagonist: John Fisher (New York City, USA)

MONDAY APRIL 16, 2018

5:30 PM - 6:15 PM
ROOM DEBARCADEIRA
DEBATE 4

Despite the progress in technologies for AF catheter ablation, the success rates have not shown significant improvement
Chairpersons: Thorsten Lewalter (Munich, DE), Walid Saliba (Rochester, USA)
Protagonist: Richard Schilling (London, GB) - Antagonist: David Haines (Royal Oak, USA)

MONDAY APRIL 16, 2018

6:15 PM - 7:00 PM
ROOM COURCELLES

Special Mark Josephson MD Lecture - In Memoriam

The 12 lead ECG as a tool for Ventricular Tachycardia Mapping by

Mark Josephson MD

Francis Marchlinski MD
(Philadelphia, USA)
Atrial fibrillation ablation 3: Technical aspects and results

Chairpersons: Neil Sulke (Eastbourne, GB), Maurizio Santomauro (Naples, IT)

12-1 Abstract 04-12
THE ET-GP STUDY: ABLATION OF ECTOPY-TRIGGERING GANGLIONATED-PLEXI WITHOUT PULMONARY VEIN ISOLATION AS A THERAPY FOR PAROXYSMAL ATRIAL FIBRILLATION
Belinda Sandler 1, Markus Sikkel 1, Min Young-Kim 1, Fu Ng 1, Ian Mann 1, Hanney Gonna 1, Amy Roberts 2, Dejana Martic 2, Michael Koa-Wing 1, Norman Qureshi 1, Zachary Whinnett 1, Wyn Davies 1, Nicholas Peters 1, Nick Linton 1, Boon Lim 1, Prapa Kanagaratnam 1
1 Imperial College London, London, United Kingdom, 2 Watford General Hospital, Watford, United Kingdom

12-2 Abstract 04-15
ABLATION OF THE GANGLIONATED PLEXUS TERMINATES SUSTAINED ATRIAL FIBRILLATION
Min-young Kim 1, Belinda Sandler 1, Markus Sikkel 1, Afzal Sohaib 2, Louisa Malcolme-Lawes 2, Kevin Leong 2, Vishal Luther 2, Michael Koa-Wing 1, Zachary Whinnett 2, Fu Siong Ng 2, Norman Qureshi 2, Nicholas S Peters 2, Wyn Davies 2, Elaine Lim 2, Michael Fudge 2, Michelle Todd 2, Ian Wright 2, Nick W F Linton 1, Phang Boon Lim 1, Prapa Kanagaratnam 1
1 Imperial College London, London, United Kingdom, 2 Imperial College NHS Trust, London, United Kingdom

12-3 Abstract 04-13
NEURO-SPECIFIC STIMULATION OF THE LEFT ATRIAL GANGLIONATED-PLEXI SITES REVEALS TRIGGERING PATTERNS SIMILAR TO HOLTER RECORDINGS
Belinda Sandler 1, Markus Sikkel 1, Chris Cantwell 1, Rheeda Ali 1, Hanney Gonna 1, Min Young-Kim 1, Ian Mann 1, Fu Ng 1, Michael Koa-Wing 1, Norman Qureshi 1, Zachary Whinnett 1, Wyn Davies 1, Nicholas Peters 1, Nick Linton 1, Boon Lim 1, Prapa Kanagaratnam 1
1 Imperial College London, London, United Kingdom

12-4 Abstract 18-26
ATRIAL FIBRILLATION ABLATION USING VERY SHORT DURATION 50W ABLATIONS AND CONTACT FORCE SENSING CATHETERS
Roger Winkle 1, Ryan Moscovitz 2, R. Hardwin Mead 1, Gregory Engel 1, Melissa Kong 1, William Fleming 1, Jonathan Salcedo 1, Rob Patrawala 1, John Tranter 2, Isaac Shai 2
1 Silicon Valley Cardiology, Palo Alto, United States, 2 Abbott Medical, St. Paul, United States

12-5 Abstract 18-35
CRYOABLATION FOR PERSISTENT AND LONG STANDING PERSISTENT ATRIAL FIBRILLATION: A SINGLE CENTRE EXPERIENCE
Vinit Sawhney 1, Dhanuka Perera 1, Salman Chatha 1, Luisa Baca 1, Matthew Cadd 1, Rangeena Assadi 1, Pier Lambiase 1, Syed Ahsan 1, Anthony Chow 1, Martin Lowe 1, Mehul Dhinoja 1, Malcolm Finlay 1, Simon Sporton 1, Mark Earley 1, Richard Schilling 1, Ross Hunter 1
1 Barts Heart Centre, London, United Kingdom
Non-ablative treatment of atrial fibrillation

Chairpersons: Gunter Breithardt (Munster, DE), Thomas Deering (Atlanta, USA)

13-1  Abstract 15-59
CURRENT PRACTICE OF ANTIITHROMBOTIC TREATMENT IN PATIENTS WITH ATRIAL FIBRILLATION: DATA FROM THE GERMAN ATRIAL FIBRILLATION NETWORK (AFNET) REGISTRY 2 ON BEHALF OF AFNET GERMANY
Andrea Gerth 1, Michael Nabauer 1, Paulus Kirchhof 2, Gerhard Steinbeck 3, Günter Breithardt 4
1 University of Munich, Munich, Germany; 2 College of Medical and Dental Science, Institute of Cardiovascular Sciences, Birmingham, United Kingdom; 3 Zentrum für Kardiologie am Klinikum Starnberg, Starnberg, Germany; 4 Department of Cardiovascular Medicine, University Hospital, Münster, Germany

13-2  Abstract 15-35
MANAGEMENT OF LEFT ATRIAL APPENDAGE THROMBUS DESPITE OF DIRECT ORAL ANTICOAGULANTS.
Osama Alshoubaki 1, Jean-Benoît le Polain de Waroux 1, Sebastien Marchandise 1, Christophe Scavee 1
1 Cliniques Universitaires St. Luc, Brussels, Belgium

13-3  Abstract 15-64
THE MUNICH TRIPLE COHORT - INFLUENCE OF A GUIDELINE IMPLEMENTATION ON MEDICAL TREATMENT AND CLINICAL OUTCOME OF PATIENTS WITH AF UNDERGOING PCI
Lisa Riesinger 1, Katarina Opitz 1, Claudia Sabrina Summo 1, Michael Mehr 1, Johannes Siebermair 2, Jörg Hausleiter 1, Julinda Mehilli 1, Steffen Massberg 1, Reza Wakili 2
1 Klinikum der Universität München, Medizinische Klinik I, Munich, Germany; 2 Westdeutsches Herz- und Gefäßzentrum, Kardiologie, Universitätsklinikum Essen, Essen, Germany

13-4  Abstract 15-57
THE IMPACT OF DC CARDIOVERSION, PERMANENT PACEMAKER AND AV NODE ABLATION AND AF ABLATION ON EXERCISE CAPACITY IN PATIENTS OVER 65 WITH PERSISTENT AF AT 6 MONTHS: A RANDOMISED CONTROLLED TRIAL
William Eysenck 1, Neil Sulke 1, Stephen Furniss 1, Rick Veasey 1
1 Cardiology Research Department, Eastbourne General Hospital, East Sussex, United Kingdom

13-5  Abstract 15-66
RADIOFREQUENCY FOR PULMONARY VEIN ISOLATION COMBINED WITH VEIN OF MARSHALL ETHANOL INFUSION FOR PAROXYSMAL ATRIAL FIBRILLATION COMPARISON WITH CRYOABLATION.
Kaoru Okishige 1, Naohiko Kawaguchi 1, Shinsuke Iwai 1, Hideshi Aoyagi 1, Tomofumi Nakamura 1, Yasuteru Yamauchi 1, Takehiko Keida 2, Tetsuo Sasano 3, Kenzo Hirao 3, Miguel Valderrában 4
1 Heart Center, Japan Red Cross Yokohama City Bay Hospital, Yokohama, Japan; 2 Division of Cardiology, Edogawa Hospital, Tokyo, Japan; 3 Arrhythmia Center, Tokyo Medical and Dental University, Tokyo, Japan; 4 Division of Cardiac Electrophysiology, Methodist DeBakey Heart and Vascular Center and Houston Methodist Research Institute, Houston, United States
TUESDAY APRIL 17, 2018

8:30 AM - 10:00 AM
ROOM EPINETTES
Abstract Oral session 14

Risk factors for atrial fibrillation
Chairpersons: Nassir Marrouche (Salt Lake City, USA), Jeffrey Kluger (Hardford, USA)

14-1 Abstract 15-65
ATRIAL FIBROSIS IN NON-ATRIAL FIBRILLATION INDIVIDUALS AND PREDICTION OF ATRIAL FIBRILLATION BY USE OF LATE GADOLINIUM ENHANCEMENT (LGE) MRI
Johannes Siebermair 1, Prompong Suksaranjit 2, Christopher J. McGann McGann 3, Kathryn A. Peterson 4, Mobin Kheirkhahan 2, Alex A. Baher 2, Kavitha Damal 2, Reza Wakili 1, Nassir F. Marrouche 2, Brent D. Wilson 2
1 Department of Cardiology and Vascular Medicine, West-German Heart and Vascular Center Essen, University of Essen Medical School, University Duisburg-Essen, Essen, Germany, 2 Division of Cardiovascular Medicine, University of Utah, Salt Lake City, Utah, Salt Lake City, United States, 3 Swedish Heart and Vascular Institute, Seattle, Washington, United States, 4 Division of Gastroenterology, University of Utah, Utah, United States

14-2 Abstract 07-10
INFLAMMATORY CONDITION OF MYOCARDIUM IN PATIENTS WITH IDIOPATHIC ATRIAL FIBRILLATION
Roman Batalov 1, Mikhail Khlynin 1, Vyacheslav Ryabov 7, Yana Anfinogenova 1, Julia Rogovskaya 1, Sergey Popov 1
1 Cardiology Research Institute, Tomsk National Research Medical Center, Russian Academy of Sciences, Tomsk, Russia

14-4 Abstract 01-25
THE IMPACT OF A CENTRAL ARTERIO-VENOUS ILIAC FISTULA ON BLOOD PRESSURE AND AF BURDEN IN PATIENTS WITH RESISTANT HYPERTENSION AND PAROXYSMAL AF
William Eysenck 1, Jet vanZalen 1, Guy Lloyd 2, Andrew Marshall 1, Rick Veasey 1, Stephen Furniss 1, Neil Sulke 1
1 Cardiology Research Department, Eastbourne General Hospital, East Sussex, United Kingdom, 2 St Bartholomew’s Hospital, Barts Heart Centre, London, United Kingdom

14-5 Abstract 01-26
SCREENING FOR SLEEP-DISORDERED BREATHING IN PATIENTS OVER 65 YEARS WITH PERSISTENT AF AND THE IMPACT OF AF INTERVENTION
William Eysenck 1, Neil Sulke 1, Stephen Furniss 1, Rick Veasey 1
1 Cardiology Research Department, Eastbourne General Hospital, East Sussex, United Kingdom

14-6 Abstract 07-22
CENTRAL RETINAL ARTERY OCCLUSION AS STROKE EQUIVALENT: A PREDICTOR FOR ATRIAL FIBRILLATION?
Nadine Vonderlin 1, Johannes Siebermair 1, Stefan Kääb 2, Karsten Kortüm 3, Siegfried Priglinger 3, Reza Wakili 1
1 Department of Cardiology and Vascular Medicine, West-German Heart and Vascular Center Essen, University of Essen Medical School, University Duisburg-Essen, Essen, Germany, 2 Department of Medicine I, University Hospital Munich, Ludwig Maximilians University, Munich, Germany, 3 University Eye Hospital, Ludwig-Maximilians-University, Munich, Germany

TUESDAY APRIL 17, 2018

8:30 AM - 10:00 AM
ROOM MONTENOTTE
Abstract Oral session 15

Lead extraction techniques
Chairpersons: John Fisher (New-York, USA), Luigi De Ambroggi (Milan, IT)

15-1 Abstract 23-10
EXTRACTION OF HIS BUNDLE PACING LEAD: SAFETY OF EXPLANTATION AND FEASIBILITY OF REIMPLANTATION
Pugazhendhi Vijayaraman 1
1 Geisinger Heart Institute, Wilkes Barre, United States
15-2 Abstract 23-21
TRANSVENOUS LEAD EXTRACTION ON UNINTERRUPTED ANTIMOACOAGULATION: A SAFE APPROACH?
Vinit Sawhney 1, Sarah Whittaker-Axon 1, Luisa Baca 1, Vivienne Ezzat 1, Pier Lambiase 1, Anthony Chow 1, Martin Lowe 1, Simon Sporton 1, Ross Hunter 1, Mark Earley 1, Mehul Dhinoja 1
1 Barts Heart Centre, London, United Kingdom

15-3 Abstract 23-25
PRE-EMPTIVE PATENT FORAMEN OVALE CLOSURE IN A PATIENT UNDERGOING LEAD EXTRACTION DUE TO SEPTIC SHOCK AND ENDOCARDITIS
Miguel Leal 1, Jill Triphan 1, Anne Barnett 1, Micah Roberts 1, Graham Adsit 1, Amanda Breuer 1, Kurt Jacobson 1
1 University of Wisconsin, Madison, United States

15-4 Abstract 23-23
PREDICTORS OF EXTRACTION SHEATH ASSISTANCE FOR CHRONICALLY INDWELLING ENDOVASCULAR LEADS
Miguel Leal 1, Matthew Tattersall 1, Douglas Kopp 1, Sean Swearingen 1, Ryan Kipp 1
1 University of Wisconsin, Madison, United States

15-5 Abstract 23-14
VENOGRAPHY BEFORE TRANSVENOUS LEAD EXTRACTION: FRIEND OR FOE?
Francesca Esposito 1, Cristina Esposito 2, Fabio Franculli 2, Gaetana Melchiorre 2, Michele Brigante 2, Gennaro Vitulano 2, Michele Manzo 2
1 Ospedale Civile “Santa Incoronata dell’Olmo- Cava de’ Tirreni, Cava de’ tirreni, Italy, 2 AOU S. Giovanni di Dio e Ruggi D’Aragona, Salerno, Italy

TUESDAY APRIL 17, 2018
10:30 AM - 12:00 PM
ROOM DAMES
Session SP-18
CRT in ischemic cardiomyopathy
Chairpersons: Leonardo Calo (Rome), Magdi Sami (Montreal, CA)
1. Multimodality imaging to identify the right patient and the right site
Matteo Bertini (Cona-Ferrara, IT)
2. Imaging during CRT implantation: present and future
Ermenegildo De Ruvo (Rome, IT)
3. Multipoint pacing: a new expensive toy or a revolution in CRT?
Francesco Zanon (Rovigo, IT)
4. Cardiac resynchronization therapy: how to measure the benefit in a given patient?
Thomas Deering (Atlanta, USA)

TUESDAY APRIL 17, 2018
10:30 AM - 12:00 AM
ROOM DEBARCADERE
Session SP-19
AF ablation: beyond the pulmonary veins
Chairpersons: Reza Wakili (Essen, DE), Luigi Di Biase (New York City, USA)
1. Targeting rotors for AF ablation
Tina Baykaner (Palo Alto, USA)
2. Targeting fibrosis in AF ablation: how to translate it into clinical practice?
Ali Oto (Ankara, TR)
3. Heart failure patients in AF: PVI only or more?  
Matteo Anselmino (Turin, IT)

4. Atrial myocardial fiber orientation: implications for AF mapping  
David Keane (Dublin, IE)

TUESDAY APRIL 17, 2018
10:30 AM - 12:00 PM
ROOM EPINETTES
Session SP-20

Current issues in ICD Patients
Chairpersons: Massimo Santini (Rome, IT), Luis Molina (Mexico City, MX)

1. Driving and ICD: are current guidelines evidence-based?  
John Fisher (New York, USA)

2. MRI in patients with an ICD: what are the risks?  
Bharat Kantharia (New York City, USA)

3. Effects of shock delivery on the duration and quality of life  
David Cannom (Los Angeles, USA)

4. Sports practice in patients with an ICD  
Karin Nentwich (Bad Neustadt, DE)

TUESDAY APRIL 17, 2018
10:30AM - 12:00PM
ROOM MONTENOTTE
Session SP-21

Perspectives on Sudden Cardiac Death
Chairpersons: Heikki Huikuri (Oulu, FI), Francesco Furlanello (Trento, IT)

1. Exercise induced ventricular arrhythmias in trained athletes  
Marek Malik (London, GB)

2. Early repolarization as a risk factor for sudden death  
Heikki Huikuri (Oulu, FI)

3. Competitive sports practice in patients with heart disease: towards a consensus?  
François Carré (Rennes, FR)

4. Energy drinks and cardiac arrhythmias  
Maurizio Santomauro (Naples, IT)

TUESDAY APRIL 17, 2018
12:00 PM – 12:30PM
ROOM DAMES
BEST POSTER AWARDS
THANK YOU FOR ATTENDING ECAS 2018 IN PARIS
AND FOR YOUR CONTINUED SUPPORT TO
THE EUROPEAN CARDIAC ARRHYTHMIA SOCIETY.
WE HOPE THE CONGRESS MET YOUR GOALS AND EXPECTATION
AND WE HOPE TO SEE YOU NEXT YEAR FOR ECAS 2019