Welcome Address

Dear Colleagues,

We would like to extend a warm welcome to all the participants of VeniceArrhythmias2013. For this 13th Anniversary of the International Workshop on Cardiac Arrhythmias we expect more than 1500 attendees, coming from over 60 countries.

The aim of the Workshop is to exchange the state-of-the-art information on the diagnosis and management of patients with cardiac arrhythmias, and to present and discuss the most recent advances in the field of basic and clinical cardiac electrophysiology and pacing.

The Scientific Program is developed within 3 days in 9 concurrent meeting rooms run by the most world-wide recognized leaders for a total of about 120 sessions.

Among the different topics, this year, the Workshop will especially focus on the following central themes: anatomy of the heart for electrophysiologists, atrial fibrillation from A to Z, AF clinical trials update 2013, anti-thrombotic therapy for cardiac arrhythmias, arrhythmias in the elderly, pediatric aspects of arrhythmias, sport and arrhythmias, hereditary arrhythmogenic syndromes, contemporary and controversial issues in cardiac pacing, syncope, heart failure and cardiac resynchronization therapy, remote monitoring of cardiac arrhythmias/devices; sudden death, ICD and surroundings, new technologies and techniques in catheter ablation, cardiac arrhythmias surgery. The program is organized in different sessions: from main symposia to debates, lectures, practical sessions, satellite events, oral and poster communications and allied professionals program.

The meeting will also include special Corner Sessions on different topics, prepared in cooperation with Scientific Societies or representatives of geographic areas, didactic teaching Core Curricula with up-to-date information and relevant clinical implications.

Besides the scientific agenda, the Workshop will give you the opportunity to meet your colleagues, discover the latest innovations of the sector and meet the representatives of medical companies.

We urge you not to miss, among the others, the Opening Ceremony with the Distinguished Scientist Golden Lionel and the Distinguished Teacher Golden Lionel Awards, the Best Abstract Awards and the new Cutting-edge Communication Message Award in Arazzi Room at Fondazione Cini on October 27th.

The unique setting of the Giorgio Cini Foundation, our Congress venue, is an integrating part of the whole VeniceArrhythmias experience: it certainly represents the ideal surrounding for reflection and study and will definitively favour socialization and friendship between faculty and attendees.

Finally, we invite you to fully appreciate your stay in the city by discovering the charming Venice’s artistic treasures, and the many tourist attractions that this unique location can offer.

Wishing you a productive and memorable experience in Venice.

Your sincerely,

Antonio Raviele
MD, FESC, FHRS

Andrea Natale
MD, FACC, FESC, FHRS

Sakis Themistoclakis
MD

Antonio Raviele
Andrea Natale
Sakis Themistoclakis

Final Program
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**Endorsements and Auspices, Presidents, Committees & Faculty**
Endorsements & Auspices

Endorsed by

EHRA
European Heart Rhythm Association, a Registered Branch of the ESC

HRS
Heart Rhythm Society

Under the auspices of

AA
Arrhythmia Alliance

AFA
Atrial Fibrillation Association

ANCE
Associazione Italiana Cardiologi Extraspedalieri

ARCA
Associazione Regionale Cardiologi Ambulatoriali

CSPE
Chinese Society of Pacing and Electrophysiology

FIC
Federazione Italiana di Cardiologia

GITIC
Gruppo Italiano Infermieri di Cardiologia

ISHNE
International Society for Holter & Noninvasive Electrocardiology

IHRS
Indian Heart Rhythm Society

JSNE
Japanese Heart Rhythm Society

SHRS
Saudi Heart Rhythm Society

SAC
Sociedad Argentina de Cardiología

SADEC
Sociedad Argentina de Electrostimulación Cardiaca

SMC
Sociedad Mexicana de Cardiología

SOMEEC
Sociedad Mexicana de Electrofisiología y Estimulación Cardíaca

StopAfib
StopAfib Association

STOPAfib
StopAfib Association

WHF
World Heart Federation

WSA
World Society of Arrhythmias

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Abstract Selection Committee

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<td>P. Alboni</td>
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<td>E. Aliot</td>
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General Information
GEOGRAPHIC AREAS BEST ABSTRACT AWARDS
VeniceArrhythmias 2013 will give six special awards in Euros - for the “Best Communication” according to the presenter’s area of origin (Asia, Eastern Europe, Latin America, Middle East, Northern America, Western Europe). An Abstract Award Committee selected the best works among accepted oral communications and posters. The winners will be awarded during the Opening Ceremony.

With the contribution of

RAFFAELLA PIERI CUTTING-EDGE COMMUNICATION MESSAGE AWARD
In memory of Ms. Raffaella Pieri, whose outstanding, year-long contribution in managing the relations with VeniceArrhythmias’ exhibitors and supporting companies, on behalf of the meeting’s Organizing and Scientific Secretariat, VA 2013 Organizing Committee has decided to create the “Raffaella Pieri Cutting-edge Communication Message Award”, to be given to the most efficacious and innovative communication message presented by VA 2013 exhibitors. The winner will be awarded during the Opening Ceremony with a plaque, and with a charitable donation to a primary cancer research foundation, made on his/her behalf.

BADGE INFORMATION / LOST BADGES
Badges are nominative, not transferable and cannot be lent to anyone during VeniceArrhythmias 2013. All participants are kindly requested to wear their badge throughout their permanence at the Congress Venue. Delegates, presenters and Faculty badge allows the entrance to all scientific sessions (limited to seat availability), to the exhibition spaces and to all other activities open to individual participants. The Exhibitors badge allows the entrance to the exhibition and service spaces. Please consider your badge as a valuable ticket. In case of loss, the full registration fee will be charged. NO BADGE = NO ENTRY

Badge colours:
- Light blue: Faculty
- Yellow: Delegate
- Green: Accompanying Person
- Red: Exhibitor
- Grey: Allied Professional
- Pink: Staff

BANKING
Bank services are available at the airport and throughout the city, around Piazza San Marco. Banks are open weekdays from 8.30 to 13.30 and 1 hour during the afternoon. Venice is well supplied with ATM, most of which accept the major credit cards; furthermore, money can be changed in the hotels during the weekend or in exchange kiosks. The monetary unit in Italy is Euro (€).
The event Venice Arrhythmias 2013 is accredited by the European Board for Accreditation in Cardiology (EBAC) for 24 hours of External CME credits. Each participant should claim only those hours of credit that have actually been spent in the educational activity. EBAC works according to the quality standards of the European Accreditation Council for Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

The following conditions are mandatory for CME accreditation:
- attendance throughout the Workshop of at least 24 hours.
- return of the CME test duly filled in to the Organizing Secretariat.

The credits will be available for all Italian and International MDs - please refer to the Secretariat Desk. Credits will be listed in the CME attendance certificate issued after the end of the Workshop.

CONGRESS ORGANIZING SECRETARIAT

Before and after the Meeting
Adria Congrex - Via Sassonia, 30 - 47922 Rimini - Italy
Phone +39.0541.305822 - Fax +39.0541.305842
e-mail: info@venicearrhythmias.org

During the Meeting
Adria Congrex at Fondazione Giorgio Cini
Isola di San Giorgio Maggiore - 30124 Venice - Italy
Phone: See VeniceArrhythmias 2013 Staff List

The Organizing Secretariat will be located in the Capriate Room. Staff members are available at the Organizing Secretariat Desk to assist you with any inquiry you may have. Staff members are also available throughout the Fondazione Giorgio Cini and can be identified by their pink badges “staff”.

CONGRESS VENUE

Fondazione Giorgio Cini | Isola San Giorgio Maggiore | Venice - Italy
CREDIT CARDS

Major credit cards are accepted in hotels, restaurants and shops. Should you like to pay with credit card for a boat taxi, please inform the driver immediately when you step in.

DINING

A staff member of the Organizing Secretariat will be available at the Information Desk, within the Registration Area, to provide assistance in making restaurant reservations during your stay in Venice.

DISABILITIES

The Fondazione Giorgio Cini allows access to people with disabilities and people on wheelchairs taking into consideration that there are gravel roads and small ramps in the open spaces. An accompanying person is advisable. Please ask the Organizing Secretariat for more information and the location of accessible spaces.

DISCLOSURE OF RELATIONSHIP POLICY

Faculty members and abstract presenters are requested to display a slide at the beginning of their presentation containing disclosure information of relationship with the “Industry”. Such relationships include, but are not limited to: member of the board of directors, advisory board, or speakers’ bureau; participants in industry-sponsored research; recipient of a research grant; employee; investor or a consultant. Invited speakers have agreed that their presentations will be objective, that they will provide a balance view of diagnostic and therapeutic options, and that discussion of any off-label or investigational use of commercial product will be disclosed to the audience.

ELECTRICITY

Electricity supplied is 220V/50Hz and power sockets are of different types.

ELECTRONIC PROGRAM / SMART-PHONE - I-PAD DOWNLOAD

The electronic final program of VeniceArrhythmias 2013 including all scientific sessions as well as all exhibitor information can be downloaded as pdf file from your smart phone, iPad and tablet. Please visit the following link: www.venicearrhythmias.org/scientific_program.htm or scan the QR code.

EXHIBITION SPACES

Several international companies are present and dislocated in different areas of the Congress Venue. Plan to visit the exhibitors who will showcase the newest and most innovative products available to health care professionals working in cardiac electrophysiology and arrhythmia devices.

FIRST AID

A first aid area is available in the Palladian area of the congress venue. It is located next to the main entrance on the bottom of the Scalone del Longhena. Please contact the Organizing Secretariat for any assistance you may need.

FUTURE MEETING DESK

All programs of future events will be displayed in the appropriate desk located in White Room. Any distribution not confirmed by the Organizing Secretariat will not be allowed.

INFORMATION DESK

The Organizing Secretariat will be available at the information desk to assist you with your questions and meeting needs.

INSURANCE

Responsibility cannot be accepted for personal accidents, loss or damages to private properties belonging to participants and exhibitors. Participants and exhibitors are advised to make their own arrangements if they deem it necessary.
OPENING CEREMONY

Sunday October 27, 2013 at 18.00
included in the registration fee

The Workshop will be inaugurated by the Congress Presidents, by Representatives of the Italian and International Scientific Societies and Study Groups that have granted their patronage, by the City Mayor and other Authorities.

During the Opening Ceremony the following awards will be assigned:
- Distinguished Scientist Golden Lionel Award and Distinguished Teacher Golden Lionel Award
- Geographic Areas Best Abstract Awards
- Raffaella Pieri Cutting-edge Communication Message Award

Moreover, Dr. Francis E. Marchlinski winner of the Distinguished Scientist Golden Lionel Award and prof. John A. Camm winner of the Distinguished Teacher Golden Lionel Award, will give two special Opening Ceremony lectures.

OPENING EXHIBITION
Slide Centre &
Registration desk

Saturday, October 26
14.00-18.00
14.00-18.00

Sunday, October 27
07.30-19.00
07.30-19.00
07.30-18.30

Monday, October 28
08.30-19.00
08.00-19.00
08.00-19.00

Tuesday, October 29
08.30-19.00
08.00-17.00
08.00-19.00

ORAL COMMUNICATIONS

The oral communication sessions will be held in different rooms as scheduled in the Scientific Program. The presentation time for oral communications will be approx. 10 minutes followed by 5 minutes for discussion. All presenters are requested to keep to their allotted time and be regularly registered. Presenters must be in the session room at least 10 minutes before the start of the session and must remain there until the end of the session. Presentations will be given in English language only, supported by video projections from PC only.
REGISTRATION DESK

The registration desk is located in the Capriate Room. For more details see the section “Opening hours”.

REGISTRATION FEES

The registration fee for delegates and presenters (€ 1,100,00 – Vat included) includes:
- Attendance to all scientific sessions (limited to seats availability)
- Entrance to the exhibition area
- Attendance to the Opening Ceremony, October 27th, 2013 at 18.00
- Attendance certificate
- Badge and congress kit
- Attendance certificate and CME / EBAC certificates (if entitled to)

The registration fee for accompanying persons (€ 370,00 – Vat included) includes:
- Entrance to the exhibition area
- Attendance to the Opening Ceremony, October 27th, 2013 at 18.00
- Half-day excursion

The registration fee for Exhibitors (€ 525,00 – Vat included) includes:
- Entrance to the exhibition area
- Attendance to scientific sessions (limited to allied professionals sessions)
- Entrance to the exhibition area
- Attendance to the Opening Ceremony, October 27th, 2013 at 18.00
- Attendance certificate
- Badge and congress kit

The registration fee for Allied Professionals (€ 120,00 – Vat included) includes:
- Attendance to scientific sessions (limited to allied professionals sessions)
- Entrance to the exhibition area
- Attendance to the Opening Ceremony, October 27th, 2013 at 18.00
- Attendance certificate
- Badge and congress kit

PROJECTION

Only PC data projection is available in every room. All slides must be worded in **English only**; please copy your work prepared in **Power Point** – on a or USB Pen-drive. The Slide Centre will be available for speakers to preview their slides and to become familiar with the audiovisual equipment. The use of personal laptops in the Workshop rooms is not permitted.

To the attention of MAC Users! If your presentation is on MAC computer, please make sure to convert your presentation in pc-compatible Power Point. If that could not be possible, you can use your MAC computer, but we kindly urge you to bring an adapter and meet the technicians in the Slide Centre with large advance, to be sure that your presentation runs properly or anticipate a back-up solution.

RECORDINGS

The sessions in Arazzi Room will be recorded by the appointed Congress Technical Service. After the meeting, the video of the sessions will be available on our website: www.venicearrhythmias.org

SAFETY RECOMMENDATIONS

Venice is as safe as any other European city and participants are advised to take the usual sensible precautions. All hotels have security facilities for valuables. To make your trip to Venice safer and more enjoyable, please follow three tips:
- Talk to the hotel concierge or hotel security regarding the surrounding neighborhoods and map out your route before you go exploring.
- Never leave money, checks, credit cards, extra room keys, or car keys in your hotel room – take them with you, or leave them in the hotel safety deposit box or your in-room safe.
- Do not leave laptops, cell phones, or any valuables unattended anywhere in the Congress Venue or in the meeting rooms. The Organizing Secretariat is not responsible for lost or stolen items.

PERSONAL ORGANIZER

VeniceArrhythmias provides you with a useful tool to build your own personal path for participation to throughout the Scientific Sessions. You can create your “My Venice“ accout on our website (www.venicearrhythmias.org), select the sessions you wish to attend, prepare your program schedule and save a copy on your mobile device and iPad.

POSTER SESSIONS

The abstract selected for poster presentations will be displayed daily in the Poster Area from 9.30 to 17.30. Presenters needs to be nearby their posters at the below scheduled times, to explain their research and answer questions. All posters must be prepared with dimension “portrait” 70cm width x 100cm height.

The code number of each poster indicates the position on the panel per day. Posters will be grouped by subject and the hours are as follows:

<table>
<thead>
<tr>
<th>Poster Presentation Schedule</th>
<th>Poster Session 1</th>
<th>10:30-17:00</th>
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<tr>
<td>Sunday, October 27</td>
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<td>10:30-11:00</td>
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<td>Monday, October 28</td>
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<td>10:30-17:00</td>
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<tr>
<td>Tuesday, October 29</td>
<td>Presenters available</td>
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Projection

Only PC data projection is available in every room. All slides must be worded in **English only**; please copy your work - prepared in **Power Point** – on a or USB Pen-drive. The Slide Centre will be available for speakers to preview their slides and to become familiar with the audiovisual equipment. The use of personal laptops in the Workshop rooms is not permitted.

To the attention of MAC Users! If your presentation is on MAC computer, please make sure to convert your presentation in pc-compatible Power Point. If that could not be possible, you can use your MAC computer, but we kindly urge you to bring an adapter and meet the technicians in the Slide Centre with large advance, to be sure that your presentation runs properly or anticipate a back-up solution.

Recordings

The sessions in Arazzi Room will be recorded by the appointed Congress Technical Service. After the meeting, the video of the sessions will be available on our website: www.venicearrhythmias.org
VENICEARRHYTHMIAS 2013 and the Organizing Secretariat make every attempt to place the sessions that may draw the largest attendance in the largest meeting rooms when possible. As the capacity of some rooms is limited, the possibility of participation to all sessions is not guaranteed.

**SHUTTLE SERVICE**

Will be provided a free-of-charge shuttle service from San Marco Square Area (Riva degli Schiavoni) to the Congress Venue and vice versa. Detailed information and scheduled times will be announced during the Congress.

**SLIDE CENTRE**

The Slide Centre is located at Photographs Room and is available for faculty and presenters to preview their slides and to become familiar with the audiovisual equipment. All speakers are requested to upload their presentation the day before the beginning of the session or at least two hours before the beginning of the session. In order to assist Faculty members and presenters, the Slide Centre will be staffed with professional technicians during the time schedules included in the “Opening Hours” section.

**Restrictions**

Personal laptops cannot be connected to the projectors in lecture rooms. Presentations cannot be loaded directly from the computer.

**SCIENTIFIC SOCIETIES DESKS**

You might find a desk of the following Scientific Societies located in White Room:

- **ECAS** European Cardiac Arrhythmia Society
- **WSA** World Society of Arrhythmias
- **AIAC** Associazione Italiana di Aritmologia e Cardiostimolazione
Free internet wi-fi will be provided in Capriate Room.

**TRANSPORT**

**From Marco Polo Airport of Venice**

**By water:**
- a water taxi costs about Euro 90,00/100,00
- a motor boat which takes you from the airport via Murano Island and Lido to Piazza San Marco costs about Euro 25,00/30,00

**By land:**
- from San Marco “San Zaccaria” waterbus no. 2
- a taxi which costs about Euro 30,00 and takes you to Piazzale Roma
- a public water bus (no. 52 or no. 2) from Piazzale Roma to San Giogio Island costs Euro 7,00 per way, alternatively a water taxi costs about Euro 60,00/70,00

**From Venice Santa Lucia Railway Station**

**By water:**
- a water taxi which costs about Euro 60,00/70,00
- a water bus no. 2 via the Giudecca Channel costs Euro 7,00 per way – if via Canal Grande a supplement of Euro 2,00 is requested

**By land:**
- please follow signs for Piazza San Marco and take the waterbus no. 2

**From A4 Motorway Venice Exit**
- park at Tronchetto, waterbus no. 2

**VA DAILY NEWS**

During the congress the VA Daily News will be distributed to all participants.

**VENICEARRHYTHMIAS 2013 STAFF LIST**

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Ludovica Fontana - Scientific Program & Faculty +39.366.9560887
Silvana Surdo - Registration & Housing +39.335.920407

Please take note that these numbers are available for VeniceArrhythmias 2013 from October, 25-29 included.

**WI-FI**

Free internet wi-fi will be provided in Capriate Room.
## Hotel Information

### 5 STARS HOTELS

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(*) Located in Venice Lido
General Scientific Overview
Featured Symposia

Atrial Fibrillation from A to Z
Electrogenetic and clinical issues

October 27 - Arazzi Room
Program Chairmen
Andrea Natale / Austin, USA
Antonio Raviele / Venice-Mestre, Italy

- New insights in the mechanism of AF
- AF: “hot” clinical topics
- AA drug prevention of AF: recent advances
- Indications to new oral anticoagulants in AF

Atrial Fibrillation from A to Z
Ablation issues

October 28-29 - Arazzi Room
Program Chairmen
Andrea Natale / Austin, USA
Antonio Raviele / Venice-Mestre, Italy

- New AF mapping and ablation techniques
- AF ablation controversies: 1. anticoagulation issues
- AF ablation controversies: 2. procedural issues
- AF ablation controversies: 3. clinical issues
- Value of AF ablation in different clinical settings (1)
- Value of AF ablation in different clinical settings (2)

Main Symposia / Core Curricula

AF clinical trials update 2013

October 28 - Cenacolo Room
Program Chairmen
Stuart J. Connolly / Hamilton, Canada
Stefan H. Hohnloser / Frankfurt, Germany

- Stroke prevention in AF: particular issues
- AF registries
- AF therapy trials

Anatomy of the heart for electrophysiologists

October 27 - Cenacolo Room
Program Chairmen
Cristina Basso / Padua, Italy
Siew Yen Ho / London, UK

- Anatomy of the heart relevant to SVT and AF
- Anatomy for resynchronization therapy

Anti-thrombotic therapy for cardiac arrhythmias

October 28 - Arazzi Room
Program Chairmen
John A. Camm / London, UK
Gregory Y.H. Lip / Birmingham, UK

- State of the art lectures on AF and thromboembolism.
  How to use the new oral anticoagulants for stroke prevention in AF
- Practical aspects on stroke prevention in atrial fibrillation – What to do?
Main Symposia / Core Curricula

Arrhythmias in adults with congenital heart disease: beyond evidence-based medicine

October 28 - Barbantini Room
Program Chairmen
Joachim Hebe / Bremen, Germany
Rodolfo Ventura / Bremen, Germany

- Mechanisms and prevention of arrhythmias 14.30-16.30 page 109
- Therapeutic challenges 17.00-19.00 page 109

Arrhythmias in the elderly

October 29 - Consiglio Room
Program Chairmen
Andrew E. Epstein / Philadelphia, USA
Win-Kuang Shen / Phoenix, USA

- Practical issues: a case-based approach 14.30-16.30 page 140

Arrhythmogenic right ventricular dysplasia / cardiomyopathy

October 28 - Carnelutti Room
Program Chairman
Richard N.W. Hauer / Utrecht, The Netherlands

- ARVD/C: from gene to therapy 11.00-13.00 page 91

Asymptomatic AF

October 28 - Borges Room
Program Chairman
Sanjeev Saksena / New Brunswick, USA

- Silent AF: detection, prognosis and interventions 8.30-10.30 page 97

Main Symposia / Core Curricula

Cardiac arrhythmias surgery

October 29 - Cenacolo Room
Program Chairmen
Ralph J. Jr. Damiano / St. Louis, USA
Domenico Mangino / Venice-Mestre, Italy

- Concomitant AF surgical ablation 8.30-10.30 page 124
- Lone AF surgical ablation 11.00-13.00 page 124
- Cardiac arrhythmias in patients candidate to surgery: controversial issues 14.30-16.30 page 136

Contemporary and controversial issues in cardiac pacing

October 29 - Cipressi Room
Program Chairmen
Andrew E. Epstein / Philadelphia, USA
Eli I. Ovsyshcher / Beer-Sheva, Israel

- Technological issues 14.30-16.30 page 138
- Clinical issues 17.00-19.00 page 138

CRT: pre-implant, implant & post-implant issues

October 29 - Cipressi Room
Program Chairman
Sanjeev Saksena / New Brunswick, USA

- Optimization of CRT therapy 11.00-13.00 page 126

Heart failure and cardiac resynchronization therapy

October 28 - Cipressi Room
Program Chairmen
Angelo Auricchio / Lugano, Switzerland
Michael R. Gold / Charleston, USA

- Individualizing cardiac resynchronization therapy delivery (1) 14.30-16.30 page 108
- Individualizing cardiac resynchronization therapy delivery (2) 17.00-19.00 page 108
Hereditary arrhythmogenic syndromes

October 27 - Carnelutti Room
Program Chairman
Sami Viskin / Tel Aviv, Israel
Arthur A. Wilde / Amsterdam, The Netherlands

- Back to basics: understanding ventricular repolarization in the ECG 8.30-10.30 page 57
- Early repolarization and arrhythmias: mith or reality? 10.45-12.45 page 57
- Catecholaminergic polymorphic VT: understanding this killer 14.00-16.00 page 69
- Those left behind: what to do with the relatives of sudden death victim? 16.00-18.00 page 69

Lead extraction and device infection

October 27 - Barbantini Room
Program Chairman
Maria Grazia Bongiorni / Pisa, Italy
Charles Kennergren / Gothenburg, Sweden

- Clinical lead management issues 8.30-10.30 page 61
- Lead extraction: a European perspective 10.45-12.45 page 61

Mechanisms and ablation of cardiac arrhythmias

October 28 - Consiglio Room
Program Chairman
Warren M. Jackman / Oklahoma City, USA
Melvin M. Scheinman / San Francisco, USA

- Mechanisms & value of EP study 14.30-16.30 page 110
- Ablation of cardiac arrhythmias 17.00-19.00 page 110

Modern management of AF

October 28 - Borges Room
Program Chairman
Stuart J. Connolly / Hamilton, Canada
Paul Dorian / Toronto, Canada

- Improving the continuum of care in patients with AF: how can we make it systematic? 11.00-13.00 page 97

New technologies and techniques in catheter ablation

October 28 - Piccolo Teatro Room
Program Chairman
Francis E. Marchlinski / Philadelphia, USA
Sakis Themistoclakis / Venice-Mestre, Italy

- Mapping, imaging, ablating: what’s new? 8.30-10.30 page 93

Non-invasive evaluation of arrhythmias

October 29 - Carnelutti Room
Program Chairman
Nabil E. El-Sherif / New York, USA
Maria Teresa La Rovere / Montescano, Italy

- Non invasive risk markers of arrhythmic death 14.30-16.30 page 134

Pediatric aspects of cardiac arrhythmias

October 28 - Barbantini Room
Program Chairman
Bulent Gorenek / Eskisehir, Turkey
Margaret J. Strieper / Atlanta, USA

- Management of cardiac arrhythmias in pediatric age 11.00-13.00 page 95
Main Symposia / Core Curricula

Present your most challenging cases - Rising stars and more
October 29 - Consiglio Room
Program Chairmen
Luigi Di Biase / New York, USA
Antonio Rossillo / Venice-Mestre, Italy
- Supraventricular arrhythmias 8.30-10.30 page 129
- Ventricular arrhythmias 11.00-13.00 page 129

Remote monitoring of cardiac arrhythmias / devices
October 27 - Cipressi Room
Program Chairmen
Jonathan S. Steinberg / New York, USA
Bruce L. Wilkoff / Cleveland, USA
- Remote monitoring: technical, practical, economic issues 16.00-18.00 page 72

Role of cardiac imaging in electrophysiology
October 28 - Piccolo Teatro Room
Program Chairmen
David Callans / Philadelphia, USA
Sabino Iliceto / Padua, Italy
- Role of cardiac imaging in electrophysiology 14.30-16.30 page 107

Main Symposia / Core Curricula

Sport and arrhythmias
October 27 - Piccolo Teatro Room
Program Chairmen
Franco Giada / Noale, Italy
Barry J. Maron / Minneapolis, USA
- Novel diagnostic examinations in the evaluation of athletes at risk of sudden death 8.30-10.30 page 59
- ECG screening and detection of cardiac disease 10.45-12.45 page 59
- Difficult cases: let's discuss together 14.00-16.00 page 71
- Hot topics and controversies in arrhythmias & sports 16.00-17.00 page 71

Sudden Cardiac Death, ICD and Surroundings
October 27 - Cipressi Room
Program Chairmen
Günter Breithardt / Münster, Germany
Eric N. Prystowsky / Indianapolis, USA
- Reducing SCD around the world: problems and potential solutions 8.30-10.30 page 60
- ICD: technical, clinical & ethical aspects 10.45-12.45 page 60

Syncope 2013 update
October 29 - Piccolo Teatro Room
Program Chairmen
David G. Benditt / Minneapolis, USA
Brian Olshansky / Iowa City, USA
- Pathophysiology of syncope 8.30-10.30 page 125
- Clinical evaluation and risk stratification 11.00-13.00 page 125
- Diagnostic investigation of specific conditions 14.30-16.30 page 137
- Syncope: dilemmas 17.00-19.00 page 137

Present your most challenging cases - Rising stars and more

Role of cardiac imaging in electrophysiology

Remote monitoring of cardiac arrhythmias / devices

Syncope 2013 update

Sudden Cardiac Death, ICD and Surroundings

Sport and arrhythmias

Main Symposia / Core Curricula
Main Symposia / Core Curricula

Value of ICE for the electrophysiologists

October 28 - Piccolo Teatro Room
Program Chairman
Sanjeev Saksena / New Brunswick, USA

- Intracardiac echocardiography: advances in techniques and applications 11.00-13.00 page 93

Vasovagal syncope

October 28 - Piccolo Teatro Room
Program Chairman
Paolo Alboni / Ferrara, Italy
Jean Jacques Blanc / Brest, France

- Neglected aspects of vasovagal syncope 17.00-19.00 page 107

International Scientific Societies Corners

APHRS Corner

October 29 - Carnelutti Room
Program Chairmen
Shih-Ann Chen / Taipei, Taiwan
Young-Hoon Kim / Seoul, Korea

- RVOT tachycardia: benign tachycardia or early stage ARVD/C tachycardia? 8.30-10.30 page 123

CHRS Corner

October 28 - Barbantini Room
Program Chairmen
Peter Guerra / Montreal, Canada
Atul Verma / Toronto, Canada

- Controversies in catheter ablation and EP training 8.30-10.30 page 95

ECAS Corner

October 29 - Barbantini Room
Program Chairmen
Riccardo Cappato / San Donato Milanese, Italy
Dipen Shah / Geneva, Switzerland

- Latest news in the evaluation and management of cardiac arrhythmias 8.30-10.30 page 127
**EHRA Corners**

October 28 - Cipressi Room  
October 28 - Borges Room  
Program Chairman  
Andreas Goette / Paderborn, Germany  
John M. Morgan / Southampton, UK

- Optimal therapy in patients with heart failure  
  8.30-10.30 page 94  
- Translational approaches in persistent atrial fibrillation  
  11.00-13.00 page 111

**HRS Corners**

October 27 - Cenacolo Room  
October 27 - Barbantini Room  
Program Chairman  
Hugh Calkins / Baltimore, USA  
Anne M. Gillis / Calgary, Canada

- State of the art in atrial fibrillation management 2013  
  16.00-18.00 page 70  
- CIED lead management strategies  
  14.00-16.00 page 73

**ISHNE Corner**

October 27 - Cipressi Room  
Program Chairman  
Peter H. Stone / Boston, USA  
Wojciech Zareba / Rochester, USA

- Reducing inappropriate ICD therapy in light of MADIT-RIT and ADVANCE III  
  14.00-16.00 page 72

**JHRS Corner**

October 28 - Carnelutti Room  
Program Chairman  
Kenzo Hira / Tokyo, Japan  
Yuji Nakazato / Tokyo, Japan

- Diagnosis and treatment of idiopathic ventricular arrhythmias  
  8.30-10.30 page 91

**SOLAECE Corner 1**

October 28 - Carnelutti Room  
October 27 -  Borges Room  
Program Chairman  
Luis Aguinaga / Tucuman, Argentina  
Guilherme Fenelon / Sao Paulo, Brazil

- Ablation of ventricular complex substrates  
  17.00-19.00 page 105

**SOLAECE Corner 2**

October 27 - Borges Room  
October 29 - Carnelutti Room  
Program Chairman  
Luis Molina / Mexico City, Mexico  
Diego Vanegas / Bogota, Colombia

- Maximizing use of technology  
  16.00-18.00 page 75  
- Right ventricular outflow tract tachycardias  
  11.00-13.00 page 123

**WSA Corner**

October 28 - Cenacolo Room  
Program Chairman  
Massimo Santini / Rome, Italy  
Panos E. Vardas / Heraklion, Greece

- Atrial fibrillation: heterogeneity of the optimal treatment worldwide  
  8.30 - 10.30 page 92
**Argentinian Corner**

**October 29 - Carnelutti Room**

*Program Chairmen*

Nestor Galizio / Buenos Aires, Argentina  
Oscar Oseroff / Buenos Aires, Argentina

- Primary cardiomyopathies and channelopathies: new aspects in risk stratification, prognosis and treatment  
  17.00-19.00 page 134

**Brazilian Corner**

**October 29 - Barbantini Room**

*Program Chairmen*

Eduardo Saad / Rio de Janeiro, Brazil  
Mauricio Scanavacca / Sao Paulo, Brazil

- Epicardial access for VT ablation: how it can help solving complex problems. An interactive case-based approach  
  14.30-16.30 page 139

**Chinese Corner**

**October 27 - Cenacolo Room**

*Program Chairmen*

Chu-Pak Lau / Hong Kong, China  
Shu Zhang / Beijing, China

- Racial influence on AF susceptibility  
  14.00-16.00 page 70

**French Corner**

**October 28 - Consiglio Room**

*Program Chairmen*

Etienne Aliot / Vandoeuvre-lès-Nancy, France  
Jean Jacques Blanc / Brest, France

- Daily challenges in asymptomatic patients: from case reports to guidelines  
  8.30-10.30 page 96

**German Corner**

**October 27 - Barbantini Room**

*Program Chairmen*

Martin Borggrefe / Mannheim, Germany  
Werner Jung / Villingen, Germany

- Novel pacing strategies  
  16.00-18.00 page 73

**Indian Corners**

**October 28 - Borges Room**  
**October 29 - Cipressi Room**

*Program Chairmen*

Sanjeev Saksena / New Brunswick, USA  
Kamal K. Sethi / New Delhi, India

- The left atrial appendage: new insights & interventions  
  17.00-19.00 page 111

- CRT: electrocardiography, patient selection and optimal application in emerging nations  
  8.30-10.30 page 126

**Japanese Corner**

**October 28 - Carnelutti Room**

*Program Chairmen*

Hiroshi Nakagawa / Oklahoma City, USA  
Yuji Nakazato / Tokyo, Japan

- Revisit of Brugada syndrome: from basic mechanism to catheter ablation  
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<td>Lluis Mont / Barcelona, Spain</td>
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<td>Jerzy K. Wranicz / Lodz, Poland</td>
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<td>- Innovative approaches in device management</td>
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<td>Pedro Adragão / Carnaxide, Portugal</td>
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<td>Wojciech Zareba / Rochester, USA</td>
<td>Carlos Morais / Lisboa, Portugal</td>
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**Allied professionals program**

October 27 - Consiglio Room
Program Chairmen
Stefania Damiani / Venice-Mestre, Italy
Barbara Thomas / Austin, USA

- Insights into the management of complex arrhythmias in the EP lab 8.30-10.30 page 156
- Hot topics in 2013 10.45-12.45 page 156
- Atrial fibrillation today 14.00-16.00 page 157

**Patients association program**

October 27 - Consiglio Room
Program Chairman
Trudie Lobban / Stratford-upon-Avon, UK

- How to improve the management of cardiac arrhythmias: role of advocacy and patient education 16.00-18.00 page 74

**Satellite Symposia and Luncheon Panels**

**Bayer Luncheon Panel**

October 28 - Cenacolo Room
- Stroke prevention in atrial fibrillation: the role of rivaroxaban 13.00-14.30 page 101

**Boehringer Ingelheim Luncheon Panel**

October 27 - Arazzi Room
- Dabigatran from clinical trials to real world: what has changed? 12.45-14.00 page 66

**Medtronic Emerging leaders Luncheon Panel**

October 28 - Cipressi Room
- Emerging leaders in electrophysiology: case presentation and discussion 13.00-14.30 page 102

**Medico Satellite Symposium**

October 28 - Consiglio Room
- Can haemodynamic sensing improve the pacing therapy in the remote monitoring era? 10.45-13.00 page 96

**Microlife Luncheon Panel**

October 28 - Barbantini Room
- Screening for atrial fibrillation 13.00-14.30 page 103

**Sorin Group Luncheon Panel**

October 28 - Carnelutti Room
- CRT goals and issues: the experts' point of view 13.00-14.30 page 100

**St. Jude Medical Satellite Symposium**

October 28 - Cipressi Room
- Fluoroscopy exposure during ablation procedures and device implantation: reducing the risk for patients and clinicians 11.00-13.00 page 94
Detailed Scientific Program
Sunday, October 27, 2013
### Sunday 27 morning - Carnelutti Room

#### Hereditary Arrhythmogenic Syndromes

**8.30-10.30**

**NEW INSIGHTS IN THE MECHANISM OF AF**

**Chairmen:** M. Di Biase / Foggia, Italy - H. Nakagawa / Oklahoma City, USA

Genetics of AF: what’s new?  
M. Disertori / Trento, Italy

Stable AF rotors and complex fractionated atrial electrograms: which relationship?  
S.M. Narayan / San Diego, USA

Does lone AF mean fibrotic atrial cardiomyopathy?  
H. Kottkamp / Zurich, Switzerland

Vagal and sympathetic AF: do they really exist?  
S. Lévy / Marseille, France

AF-induced cardiomyopathy: do we know the mechanism?  
A. Goette / Paderborn, Germany

#### Atrial fibrillation from A to Z

**8.30-10.30**

**NEW INSIGHTS IN THE MECHANISM OF AF**

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### Sunday 27 morning - Arazzi Room

#### Hereditary Arrhythmogenic Syndromes

**8.30-10.30**

**BACK TO BASICS: UNDERSTANDING VENTRICULAR REPOLARIZATION IN THE ECG**

**Chairmen:** E. Behr / London, UK - A.A. Wilde / Amsterdam, The Netherlands

Cellular basis for early repolarization and J-wave  
C. Antzelevitch / Utica, USA

The basis of T-wave and ST segment  
P. Delise / Conegliano Veneto, Italy

The basis of the U-wave  
P. Postema / Amsterdam, The Netherlands

#### Atrial fibrillation from A to Z

**10.45-12.45**

**“HOT” CLINICAL TOPICS**

**Chairmen:** P.E. Bloch-Thomsen / Hellerup, Denmark - L. Padeletti / Florence, Italy

Alcohol and risk of developing AF: mith or reality?  
B. Lüderitz / Bonn, Germany

AF may cause dementia: evidence from the literature  
P. Santangeli / Philadelphia, USA

Chronic kidney disease and AF: prevalence, causes and consequences  
I. Savelieva / London, UK

AF and heart failure: how to interrupt the vicious circle?  
T. Wong / London, UK

Patients with cardioembolic events during effective oral anticoagulation: can the AF ablation or LAA closure procedures be the solution?  
M. Mansour / Boston, USA

**10.45-12.45**

**EARLY REPOLARIZATION AND ARRHYTHMIAS: MITH OR REALITY?**

**Chairmen:** C. Antzelevitch / Utica, USA - M.M. Scheinman / San Francisco, USA

**Introduction to the debates**

Rules of engagement: can we concentrate on the essence and not on terminology?  
R. Rosso / Tel Aviv, Israel

**Debate 1. Early Repolarization and idiopathic VF**

Patients with J-waves are prone to die suddenly  
F. Sacher / Bordeaux, France

Patients with J-waves should be left alone  
P.W. MacFarlane / Glasgow, UK

**Debate 2. Early Repolarization in long-term population studies**

Early repolarization predicts arrhythmic death  
H.V. Huikuri / Oulu, Finland

Early repolarization is a sign of good health  
P. Postema / Amsterdam, The Netherlands
Sunday 27 morning - Cenacolo Room

Anatomy of the heart for electrophysiologists

8.30-10.30
ANATOMY OF THE HEART RELEVANT TO SVT AND AF

Chairmen: C. Basso / Padua, Italy - H. Calkins / Baltimore, USA

Anatomy of the atria relevant to SVT and AF
S.Y. Ho / London, UK

Clinical anatomy of the RA relevant to SVT
R. Mantovan / Cesena, Italy

Clinical anatomy of the LA for AF
E. Bertaglia / Padua, Italy

Anatomy of the heart for electrophysiologists

10.45-12.45
ANATOMY FOR RESYNCHRONIZATION THERAPY

Chairmen: R. De Ponti / Varese, Italy - S.Y. Ho / London, UK

Anatomy of the coronary veins and heart for resynchronisation
C. Basso / Padua, Italy

Coronary veins: imaging assessment
A. Curnis / Brescia, Italy

Clinical anatomy for RA, RV implant: tips and tricks
E.I. Ovsyshcher / Beer-Sheva, Israel

Sunday 27 morning - Piccolo Teatro Room

Sport and Arrhythmias

8.30-10.30
NOVEL DIAGNOSTIC EXAMINATIONS IN THE EVALUATION OF ATHLETES AT RISK OF SUDDEN DEATH

Chairmen: F. Naccarella / Bologna, Italy - J. Tfelt-Hansen / Copenhagen, Denmark

Cardiac MRI
M.S. Maron / Boston, USA

Cardiac CT scan
F. Cademartiri / Monastier, Italy

Implantable loop recorder
F. Giada / Noale, Italy

EP study and electro-anatomical mapping
D. Corrado / Padua, Italy

Sport and Arrhythmias

10.45-12.45
ECG SCREENING AND DETECTION OF CARDIAC DISEASE

Chairmen: D. Corrado / Padua, Italy - F. Giada / Noale, Italy

Preparticipation ECG screening: solution to the “false positive dilemma”
S. Sharma / London, UK

Preparticipation ECG screening: but what about false negatives?
M.S. Maron / Boston, USA

Is sudden death really epidemic?
The great U.S. vs Italy debate on ECG screening, including societal considerations
PRO: A. Biffi / Rome, Italy
CON: B.J. Maron / Minneapolis, USA

Does detecting cardiac disease with ECG screening save/prolong life?
D. Corrado / Padua, Italy

To screen or not to screen. That is the question
J. Tfelt-Hansen / Copenhagen, Denmark
### Sudden Cardiac Death, ICD and Surroundings

**8.30-10.30**
**REDUCING SCD AROUND THE WORLD: PROBLEMS AND POTENTIAL SOLUTIONS**

**Chairmen:**
- G. Breithardt / Münster, Germany
- E.N. Prystowsky / Indianapolis, USA

- **Asia**
  - C.P. Lau / Hong Kong, China

- **Europe**
  - G. Breithardt / Münster, Germany

- **South America**
  - M. Marquez / Mexico City, Mexico

- **North America**
  - D.S. Cannom / Los Angeles, USA

- **Maximizing available resources**
  - E.N. Prystowsky / Indianapolis, USA

### Lead extraction and device infection

**8.30-10.30**
**CLINICAL LEAD MANAGEMENT ISSUES**

**Chairmen:**
- M.G. Bongiorni / Pisa, Italy
- C. Kennergren / Gothenburg, Sweden

- What are the treatment options for patients with CIED infection?
  - C. Love / Columbus, USA

- What are the implantation options for patients with occluded veins?
  - T. Blum / Bad Krozingen, Germany

- What are the treatment options for patients with recalled leads?
  - J.C. Deharo / Marseille, France

- What are the treatment options for young patients with superfluous functional and non-functional leads?
  - C. Kennergren / Gothenburg, Sweden

### Lead Extraction and Device Infection

**10.45-12.45**
**LEAD EXTRACTION: A EUROPEAN PERSPECTIVE**

**Chairmen:**
- C. Blomström-Lundqvist / Uppsala, Sweden
- J.C. Deharo / Marseille, France

- Indications for lead extraction (case-based)
  - M. Taborsky / Olomouc, Czech Republic

- The current status of lead extraction in Europe
  - M.G. Bongiorni / Pisa, Italy

- Safety and training requirements in lead extraction
  - P. Mitkowski / Poznan, Poland

- Results and risks in lead extraction: does the extraction volume matter?
  - G. Pelargonio / Rome, Italy
Sunday 27 morning - Borges Room

**Oral Communications**

**08.30-10.30**

**MECHANISMS AND GENETICS OF CARDIAC ARRHYTHMIAS**

**Chairmen:** N. Galizio / Buenos Aires, Argentina - R.N.W. Hauer / Utrecht, The Netherlands

Right atrial appendage and atrial septal pacing induces left atrial electrical dyssynchrony: role of septal activation pattern
I. Choudhuri, D. Krum, A. Agarwal, J. Hare, M. Belohlavek, A. Ahmad, M. Pinninti, B. Khandheria / Milwaukee, USA

Left atrial activation sequence during bifocal atrial pacing: new observations and insights in an acute canine model
I. Choudhuri, D. Krum, A. Agarwal, J. Hare, M. Belohlavek, A. Ahmad, M. Pinninti, B. Khandheria / Milwaukee, USA

Mechanisms of lethal arrhythmias in a transgenic mouse model with heart failure and sudden cardiac death
M. Yamazaki, H. Honjo, I. Kodama, Y. Nakagawa, K. Kuwahara, K. Kamiya / Nagoya, Japan

Genetics of life threatening cardiac arrhythmias
B. Vyas, N. Namboodiri, R.D. Puri, R. Saxena, I. C. Verma / New Delhi, India

Screening of HRYR2 mutations in patients with ventricular tachycardia in Kazakhstan: two novel point mutations
A. Akilzhanova, C. Güly, Z. Nurkin, O. Nuralinov, B. Abdirov, S. Dosmagambet, Z. Zhumadilov, A. Sharman, M. Bekbosynova / Astana, Kazakhstan

Hcm and WPW syndrome with life threatening arrhythmia in an adolescent female: PRKAG2 mutation
V. Aggarwal, N. Dobrole, P. Jayakar, J. Zablah, Z. Ammous, S. Fishberger / Miami, USA

Sunday 27 morning - Borges Room

**Polish Corner**

**10.45-12.45**

**INNOVATIVE APPROACHES IN DEVICE MANAGEMENT**

**Chairmen:** J.K. Wranicz / Lodz, Poland - W. Zareba / Rochester, USA

Optimal selection of patients for CRT-D
W. Zareba / Rochester, USA

Triple-site CRT
R. Lenarczyk / Zabrze, Poland

New methods of monitoring patients with devices
J.K. Wranicz / Lodz, Poland

Innovative programming of ICDs
S. Dubner / Buenos Aires, Argentina

Innovative approaches in lead extractions
A. Kutarski / Lublin, Poland
Sunday 27 morning - Soffitto Room

**Oral Communications**

**08.30-10.30**

CARDIAC ARRHYTHMIAS: PEDIATRIC AND MISCELLANEOUS ISSUES

*Chairmen:* I. Savelieva / London, UK - M.J. Strieper / Atlanta, USA

Endocardial pacemaker in pediatric populations with ultra thin catheters
A. Bochoeyer, R. Rabinovich, A. Rosso, M. Garrido, L. Trentacoste, W. Conejeros, M. Grippo / Buenos Aires, Argentina

Twenty years of pediatric catheter ablation: evolution of practice

The treatment and long outcome in children with long-standing QT syndrome

Retrospective analysis of azithromycin on the QT interval prolongation in acute coronary syndrome patients
D. Lumban Gaol, M. Winardi, R.J. Saragih, S. Salim, S.A. Nasution / Jakarta, Indonesia

Unexpected finding in an adult with ventricular fibrillation and an accessory pathway: non-compaction Cardiomyopathy

Interactive teaching system combining two arrhythmia simulators
T. Haber, F. Holzer, J. Härtig, M. Heinke, J. Melichercik, B. Ismer / Offenburg, Germany

Feasibility, efficacy and safety of percutaneous retrieval of a leadless cardiac pacemaker in an in vivo ovine model
J. Sperzel, A. Khairkahan, D. Ligon / Bad Nauheim, Germany

**10.45-12.45**

SICK SINUS SYNDROME & ATRIOVENTRICULAR / INTRAVENTRICULAR CONDUCTION DISTURBANCES

*Chairmen:* C. Jazra / Beirut, Lebanon - M. Musolino / Scilla, Italy

Arrhythmic disorders in anorexia nervosa
N.A. Freedeberry, M. Yahalom, M. Spitz, L. Sendler, N. Heno, N. Roguin, Y. Turgeman / Haifa, Israel

Sick sinus syndrome induced by alcohol
P.I. Altiere, H.L. Banchs, N. Escobales, M. Crespo / San Juan, Puerto Rico

Clinical significance of rapid atrial pacing in patients with sick sinus syndrome
N.A. Freedeberry, M. Yahalom, Y. Turgeman / Haifa, Israel

Uncommon etiology of heart block in adults
N.A. Freedeberry, M. Yahalom, Y. Turgeman / Haifa, Israel

Cardiac resynchronization therapy with right lead in right ventricular outflow tract. A long-term follow-up
G. Rodriguez Diez, R. Muratalla, D. Lopez, M. Ortiz, R. Robledo / Mexico City, Mexico

Relationship between inflammatory cytokines and electrical remodeling in cardiac resynchronization therapy
B. Antolic, D. Zizek, M. Cvijic, I. Zupan / Ljubljana, Slovenia
Boehringer Ingelheim Luncheon Panel
LP
12.45-14.00
DABIGATRAN FROM CLINICAL TRIALS TO REAL WORLD: WHAT HAS CHANGED?
Chairmen: G.Y.H. Lip / Birmingham, UK - A. Raviele / Venice-Mestre, Italy
The uniqueness of dabigatran: real life confirms clinical studies
S.J. Connolly / Hamilton, Canada
Practical guide to the use of dabigatran in different clinical settings
R. Cappato / San Donato Milanese, Italy
Indications to dabigatran: what do the guidelines say?
S.H. Hohnloser / Frankfurt, Germany

Mexican Corner Luncheon Panel
GC
12.45-14.00
THE USE OF ANTICOAGULANTS IN MEXICO
Chairmen: L. Molina / Mexico City, Mexico - N. Reyes / Puebla, Mexico
Thromboembolism working groups in Mexico (LICET): current status and future perspectives
N. Reyes / Puebla, Mexico
The role of new anticoagulants before AF ablation
M. Marquez / Mexico City, Mexico
Anticoagulant treatment after AF ablation: when, how and why
A. Majiluf / Mexico City, Mexico
“Ablate and pace”: which indications for new anticoagulants?
L. Molina / Mexico City, Mexico
New methods of AF mapping
M. Haïssaguerre / Bordeaux, France
Sunday 27 afternoon - Arazzi Room

Atrial fibrillation from A to Z

14.00-16.00
AA DRUG PREVENTION OF AF: RECENT ADVANCES

Chairmen: G.L. Botto / Como, Italy - C. Jaza / Beirut, Lebanon

Short-term AAD treatment after cardioversion of AF: is lesser better?
P. Kirchhof / Birmingham, UK

Dronedarone: just another option or real progress?
A. Capucci / Ancona, Italy

Ranolazine for prevention of AF: hope or hype?
C. Antzelevitch / Utica, USA

Omega-3 fatty acids to prevent AF: another promise not fulfilled?
L. Calò / Rome, Italy

Aldosterone antagonists for prevention of AF: the revenge of “up-stream” therapy?
M. Disertori / Trento, Italy

Sunday 27 afternoon - Carnelutti Room

Hereditary Arrhythmogenic Syndromes

14.00-16.00
CATECHOLAMINERGIC POLYMORPHIC VT: UNDERSTANDING THIS KILLER

Chairmen: M.J. Ackerman / Rochester, USA - R. Rosso / Tel Aviv, Israel

Pathophysiology of CPVT: what genetics tells us
A. Mazzanti / Pavia, Italy

Decoding a CPVT genetic test result
M.J. Ackerman / Rochester, USA

Risk stratification in humans: what the clinical data tell us
A. Leenhardt / Paris, France

Therapeutic options
A.A. Wilde / Amsterdam, The Netherlands

Atrial fibrillation from A to Z

16.00-18.00
INDICATIONS TO NEW ORAL ANTICOAGULANTS IN AF

Chairmen: M.M. Gulizia / Catania, Italy - J. Healey / Hamilton, Canada

Should new oral anticoagulants be used as first-line therapy in all patients?
PRO: R. Hatala / Bratislava, Slovak Republic
CON: A.L. Waldo / Cleveland, USA

Oral anticoagulants (warfarin or newer ones) should not be given to all patients with CHA2DS2-VASc=1
PRO: G. Di Pasquale / Bologna, Italy
CON: D.G. Benditt / Minneapolis, Italy

Specific indications to the different new oral anticoagulants
- Dabigatran
  R. De Caterina / Chieti, Italy
- Rivaroxaban
  G. Breithardt / Münster, Germany
- Apixaban
  R.L. Page / Madison, USA

Sunday 27 afternoon - Carnelutti Room

Hereditary Arrhythmogenic Syndromes

16.00-18.00
THOSE LEFT BEHIND: WHAT TO DO WITH THE RELATIVES OF SUDDEN DEATH VICTIM?

Chairmen: M. Disertori / Trento, Italy - A.D. Krahn / Vancouver, Canada

Molecular genetics: when is a mutation disease causing?
C. Napolitano / Pavia, Italy

Phenotypic screening of family members: how far to go?
E. Behr / London, UK

Genotypic screening of family members: how far to go?
M.J. Ackerman / Rochester, USA

Resisting the pressures: when is ICD indicated for those left behind?
LQTS, SQTS, Brugada
A.A. Wilde / Amsterdam, The Netherlands

Hypertrophic and dilated cardiomyopathies
F. Cecchi / Florence, Italy
**Chinese Corner**

14.00-16.00

**Racial Influence on AF Susceptibility**

Chairmen: A.M. Gillis / Calgary, Canada - D.J. Huang / Chengdu, China

- Influence of race on AF
  A.M. Gillis / Calgary, Canada

- Genetic differences in AF susceptibility
  D.C.W. Siu / Hong Kong, China

- Epidemiology of AF and risk factors in Asia vs Western countries
  S.A. Chen / Taipei, Taiwan

- Incidence of AF in different racial groups as recorded by implantable devices
  C.P. Lau / Hong Kong, China

- Anti-thrombotic therapy of AF: is there a difference between Chinese and Caucasians?
  S. Zhang / Beijing, China

**HRS Corner**

16.00-18.00

**State of the Art in Atrial Fibrillation Management 2013**

Chairmen: D.L. Packer / Rochester, USA - E.N. Prystowsky / Indianapolis, USA

- Antiarrhythmic therapy
  P. Dorian / Toronto, Canada

- Catheter ablation
  H. Calkins / Baltimore, USA

- Stroke prevention
  S.J. Connolly / Hamilton, Canada

- Quality measures in AF management
  A.M. Gillis / Calgary, Canada

**Sport and Arrhythmias**

16.00-18.00

**Hot Topics and Controversies in Arrhythmias & Sports**

Chairmen: L. Calò / Rome, Italy - N.E. El-Sherif / New York, USA

- How common are athletic field deaths really? Emotion vs data
  B.J. Maron / Minneapolis, Italy

- How do you make disqualification decisions when there are no data at all?
  L. Mont / Barcelona, Spain

- Patients with minor forms of cardiomyopathy/channelopathies can perform leisure sports activities
  PRO: A. Biffi / Rome, Italy
  CON: S. Sharma / London, UK

- AED must be mandatory in all sports events and sports facilities
  PRO: M. Santomauro / Naples, Italy
  CON: B. Olshansky / Iowa City, USA
**Sunday 27 afternoon - Cipressi Room**

**ISHNE Corner**

14.00-16.00
REDUCING INAPPROPRIATE ICD THERAPY IN LIGHT OF MADIT-RIT AND ADVANCE III

Chairmen: **D.S. Cannom** / Los Angeles, USA - **L. Padeletti** / Florence, Italy

- Clinical significance of inappropriate ICD therapies
  - **A. Proclemer** / Udine, Italy
- MADIT-RIT: results of the randomized trial
  - **W. Zareba** / Rochester, USA
- Optimal programming of ICDs
  - **H. Klein** / Rochester, USA
- Advance III: results of the randomized trial
  - **M. Gasparini** / Rozzano, Italy
- How to reduce inappropriate shocks
  - **M. Lunati** / Milan, Italy
- Role of remote device monitoring in reducing inappropriate shocks
  - **S. Dubner** / Buenos Aires, Argentina

16.00-18.00
REMOTE MONITORING: TECHNICAL, PRACTICAL, ECONOMIC ISSUES

Chairmen: **J.S. Steinberg** / New York, USA - **B.L. Wilkoff** / Cleveland, USA

- Integrating the healthcare enterprise: IHE and connecting heart rhythm information
  - **D.J. Slotwiner** / New York, USA
- Key EP data elements: role in data interchange, quality, outcomes & patient care
  - **B. Jennings** / Kalamazoo, USA
- What is the impact of remote monitoring on health care resource consumption?
  - **A. Proclemer** / Udine, Italy
- Practical implementation of a remote monitoring network
  - **M. Santini** / Rome, Italy
- Coping effectively and efficiently with monitoring data
  - **J.S. Steinberg** / New York, USA

**Sunday 27 afternoon - Barbantini Room**

**HRS Corner**

14.00-16.00
CIED LEAD MANAGEMENT STRATEGIES

Chairmen: **A.M. Russo** / Cherry Hill, USA - **B.L. Wilkoff** / Cleveland, USA

- RIATA, Fidelis & the next Safety alert
  - **C. Love** / Columbus, USA
- ESRD patients: risks, benefits and alternatives for SCD
  - **R.L. Page** / Madison, USA
- Venous access & alternative strategies
  - **S.P. Kutalek** / Philadelphia, USA
- Infection prevention & novel treatment strategies
  - **B.L. Wilkoff** / Cleveland, USA

**German Corner**

16.00-18.00
NOVEL PACING STRATEGIES

Chairmen: **G. Steinbeck** / Munich, Germany - **C. Wolpert** / Ludwigsburg, Germany

- Intracardiac vagal stimulation - clinical application
  - **P. Schauerte** / Berlin, Germany
- Vagal stimulation in heart failure: which results and perspectives?
  - **M. Borggreffe** / Mannheim, Germany
- Defibrillation without intracardiac leads: a real progress?
  - **J. Winter** / Düsseldorf, Germany
- Cardiac contractility modulation - where do we go?
  - **J. Kuschyk** / Mannheim, Germany
- The future of pacing
  - **W. Jung** / Villingen, Germany
**Sunday 27 afternoon - Borges Room**

**Persian Corner**

**14.00-16.00**

**AF TREATMENT IN IRAN: CONTEMPORARY ISSUES**

*Chairmen: M. Eslami / Tehran, Iran - M. Shenasa / San José, USA*

- Recent advances in the molecular pathophysiology of AF
  *R. Wakili / Munich, Germany*

- Management of AF in rheumatic heart disease: drugs, ablation, surgery
  *M. Eslami / Tehran, Iran*

- Atrial fibrillation ablation in elderly in Iran
  *Z. Emkanjoo / Tehran, Iran*

- Multimodality navigation: how far can we go?
  *A. Arya / Tehran, Iran*

**SOLAECE Corner 2**

**16.00-18.00**

**MAXIMIZING USE OF TECHNOLOGY**

*Chairmen: L. Molina / Mexico City, Mexico - M. Scanavacca / Sao Paulo, Brazil*

- 3-D mapping & radiofrequency ablation without “x” rays: why, when and how
  *E. Saad / Rio de Janeiro, Brazil*

- Usefulness of rotational image reconstruction immediately before pulmonary vein isolation & for other ablation strategies
  *W. Uribe / Medellin, Colombia*

- Implantable loop recorder before pulmonary vein isolation as best tool for diagnosis and long term follow-up
  *E. Sternick / Belo Horizonte, Brazil*

- Use of intracardiac echocardiography for ablation of right ventricular outflow tract tachycardias
  *W. Uribe / Medellin, Colombia*
**Oral Communications**

**14.00-16.00**

**VENTRICULAR ARRHYTHMIAS AND SUDDEN CARDIAC DEATH**

Chairmen: C. Carbucicchio / Milan, Italy - H. Huikuri / Oulu, Finland

Magnesium and potassium levels in critically ill patients with supraventricular and ventricular arrhythmias

P.I. Altieri, W. González, H.L. Banchs, N. Escobales, M. Crespo / San Juan, Puerto Rico

Malignant arrhythmias in peripartum cardiomyopathy

N.A. Freedeberg, M. Yahalom, I. Ilan-Bushari, E. Rosner, M. Jabare, Y. Turgeman / Afula, Israel

The bacterial cultures of patients developing fever after successful out of hospital CPR

N. Teodorovich, C. Shachter, G. Goltzman, M. Kagansky, Z. Vered / Tel Aviv, Israel

Diagnosis and follow-up of athletes with anomalous origin of the left circumflex coronary artery from the right aortic sinus

V. Pescatore, C. Basso, E. Brugin, S. Compagno, M. Vettori, D. Noventa, G. Thiene, F. Giada / Noale-Venice, Italy

Clinical outcomes of young and master athletes disqualified from competition because of cardiovascular conditions

V. Pescatore, C. Basso, E. Brugin, S. Compagno, M. Vettori, B. Reimers, D. Noventa, G. Thiene, F. Giada / Noale-Venice, Italy

Current global practice of ICD testing everyone to his taste?!

D. Bastian, F. Al Kandari, M. Sepsi, E. Lorgat, A. Naik, H. Mazzetti, D. Becker, R. Sweidan on behalf of PANORAMA Investigators / Nürnberg, Germany

Follow-up and safety of implantable cardiac defibrillator in the elderly

G. Rodriguez Diez, J. Morales, M. Ortiz, M. Cortes, R. Robledo / Mexico City, Mexico

**16.00-18.00**

**SURFACE ECG & 24-HOUR HOLTER MONITORING IN THE EVOLUTION OF CARDIAC ARRHYTHMIAS**

Chairmen: S. Dubner / Buenos Aires, Argentina - M. Musolino / Scilla, Italy

Examination of resting electrocardiograms of patients with atrioventricular nodal reentrant tachycardia and its utilization in differential diagnosis of common and uncommon subtypes

O.C. Yontar, A. Erdem, U. Kutuk / Bursa, Turkey

Non-invasive 3D phase mapping of atrial flutter

V. Kalinin, M. Chaykovskaya, E. Fetisova, M. Yakovleva / Moscow, Russia

Twenty-four hour heart rate evaluation for permanent atrial fibrillation patients risk assessment

I. Kurcalte, O. Kalejs, R. Erts, A. Kalnins, A. Kalnin, A. Lejnieks / Riga, Latvia

Automated ECG reading of early repolarization. Prevalence and prognostic implications


Risk of mortality and ventricular arrhythmia in patients ineligible for T-wave alternans testing. Substudy of the Twente ICD Cohort Study (TICS)

K. Kraaier, M.A.G.M. Olimulder, M.F. Scholten / Enschede, The Netherlands

Precordial QRS amplitude ratio predicts long-term outcome after catheter ablation of electrical storm due to ventricular tachycardias in patients with arrhythmogenic right ventricular cardiomyopathy

A. Müßigbrodt, B. Dinov, L. Fiedler, P. Sommer, T. Gaspar, S. Richter, O. Breithardt, A. Bollmann, D. Husser, C. Piorowski, G. Hindricks, A. Arya / Leipzig, Germany

EKG artefacts mimicking ventricular tachycardia (VT) in a palpitating woman

M. Yamin, S. Salim, S.A. Nasution / Jakarta, Indonesia

Remote pHM cloud cluster for arrhythmias prognosis and drug control efficient

Y. Kaganovich, S. Kirillov / Tel-Aviv, Israel
**Sunday 27 - Poster Area**

**Poster Session 1**

**MECHANISMS AND GENETICS OF CARDIAC ARRHYTHMIAS**

1.1 Mitochondrial reactive oxygen species (ROS) production causes stretch-induced increase in calcium spark rate
   G. Iribe, K. Kaihara, K. Naruse / Okayama, Japan

1.2 Down-regulated Endothelial Function by Atrial Fibrillation - Results from Peripheral Arterial Tonometry
   G. Zhong, J. Wang, H. Chi / Beijing, China

1.3 Histopathological of fractionated electrograms in patients with chronic atrial fibrillation
   A. Persi, B.L. Nguyen, S. Poggi, G. Riitano, C. Gaudio, E.S. Gang, M.C. Fishbein, P.S. Chen / Rome, Italy

1.4 Status of Selenium and Selenoprotein Glutathione Peroxidase in patients with recent-onset atrial fibrillation
   M.N. Negreva, A.P. Penev, S.J. Georgiev, A. Aleksandrova, R. Georgieva, A. Angelov / Varna, Bulgaria

1.5 Dynamics of antioxidant defense system indicators in patients with atrial fibrillation
   M.N. Negreva, S.J. Georgiev, A.P. Penev, A. Aleksandrova / Varna, Bulgaria

1.6 The voltage-gated Potassium channel subunit KCNE3 regulates electrical conductance in atria and AV node
   U. Lisewski, B. Spallek, C. Gaertner, N. Lange, T.K. Roepke / Berlin, Germany

1.7 Genotype-phenotype correlation in a new causative mutation of long QT syndrome type 2

1.8 Effect of cigarette smoking on TP-E interval, TP-E/QT ratio and TP-E/QTc ratio
   A. Tokatli, F. Kiliçaslan, M. Uzun, B.S. Cebeci / Kocaeli, Turkey

1.9 The response of the QT interval to standing as a new diagnostic tool for long QT syndrome
   C. Muñoz-Esparza, M. Salar Alcaraz, E. Zorio Grima, P. Peñafiel Verdú, J. José Sánchez Muñoz, A. García Alberola, M. Valdés Chavarri, J.R. Gimeno Blanes / Murcia, Spain

1.10 P wave dispersion and recurrences after cardioversion in atrial fibrillation patients with normal left atrium size

1.11 Noninvasive Spectral Comparisons of Atrial Fibrillation versus Atrial Tachycardia after Pulmonary Vein Isolation Using ECG-Derived Waveform Analysis
   J. Fleitman, E. Ciaccio, W. Whang, H. Garan, A. Biviano / New York, USA

1.12 Electrocardiographic abnormalities in patients with schizophrenia
   M. Gegenava, T. Gegenava / Tbilisi, Georgia

1.13 Rhythm disorder during therapeutic hypothermia in paediatric patients
   S. Dinarevic, R. Spahovic, F. Jonuzi, R. Gojak, M. Halimic / Sarajevo, Bosnia and Herzegovina

1.14 The association between QT interval and the presence of myocardial fibrosis and its territories: insight from cardiac magnetic resonance
   T. Boonyasirinant, R. Krittayaphong / Bangkok, Thailand

1.15 Increased short-term variability in the peak-to-end of the T wave in heart disease
   Y. Ishihara, T. Sasano, H. Sekine, M. Oya, S. Hibi, K. Hirao, M. Matsuura / Tokyo, Japan

1.16 Correlating symptoms and the frequencies of arrhythmias, in different age groups, using a 24-hour holter monitor recording
   A. Fasih, Z. Jamal, A. Aisha, SH. Ghaniwala, M. Nasim, H. Khalid, F. Haider, I. Roohi, M. Zahid, A. Zahid / Karachi, Pakistan

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**Surface ECG & 24-Hour Holter Monitoring in the Evolution of Cardiac Arrhythmias**

1.8 Effect of cigarette smoking on TP-E interval, TP-E/QT ratio and TP-E/QTc ratio
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1.10 P wave dispersion and recurrences after cardioversion in atrial fibrillation patients with normal left atrium size

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**Sunday 27 - Poster Area**
1.17 Autonomic function in patients with irritable bowel syndrome  
A. Tokatli, F. Kilicaslan, M. Uzun, B.S. Cebeci / Kocaeli, Turkey

1.18 Remote monitoring in the Province of Modena (Experience of Sassuolo Cardiology)  
F. Melandrì, G. Lolli, P. Bellesi, S. Merighi, A. Guerra, M. Scapinelli, S. Martano / Sassuolo, Italy

1.19 Decentralization of pacemaker follow-up visit to local specialty care centres using remote transmission  
J.J. Ferrer-Hita, A. Rodríguez-González, R.A. Juárez-Prera, P. Jorge-Perez, M. Carrillo-Pérez-Tomé, C. Duque-Gómez, M. Cubelo-Dornaletche, R. Pérez-Quintero, I. Laynez Cerdeña / Santa Cruz de Tenerife, Spain

**VASOVAGAL SYNCOPE: DIAGNOSTIC ISSUES**

1.20 Evaluation of baroreceptors sensitivity in young adults with vasovagal syncope in long term follow-up after correction of d-transposition of great arteries by Senning atrial switch  

1.21 Evaluation of the behavior of the QRS interval from the beginning of the carotid pulse wave during an TILT test in 100 patients with a history of syncope and a control group of 30 asymptomatic volunteers  
A. Villamil, Y. Torres, J. Mariani, C. Perona, C. Tajer / Buenos Aires, Argentina

1.22 The utility of echocardiography in the diagnosis of unexplained syncope in older patients  
C.M. Seifer, M. Kotrec / Winnipeg, Canada

1.23 The postural orthostatic tachycardia syndrome (POTS) in patients with syncope and presyncope  
H. Keller, C. Steger, E. Gatterer / Vienna, Austria

1.24 Difference of the clinical pattern of vasovagal syncope between menstruating and post-menopausal women  

**VASOVAGAL SYNCOPE: THERAPEUTIC ISSUES**

1.25 Syncope Unit: diagnostic yield of additional testing  
J. Estepo, C. Cáceres Monié, I. Tello Santacruz, F. Casas, A. Baranchuk, A. Cassano, O. Manuale / Buenos Aires, Argentina

1.26 Role of mobile telemedicine in patients with different type of arrhythmia and syncope  
T. Gegenava, M. Gegenava, Z. Kirtava / Tbilisi, Georgia

1.27 A case report: Vasovagal syncope supposed resulting from sand bag compression applied after coronary angiography  
D. Çinar, N. Olgun / Istanbul, Turkey

1.28 Syncope Unit: Seven years of experience in a community hospital  
J. Estepo, C. Cáceres Monié, I. Tello Santacruz, F. Casas, A. Baranchuk, O. Manuale / Buenos Aires, Argentina

1.29 Evaluation of the head-up titl training in the treatment of patients with vasovagal syncope  
I. Bzukala, A.Z. Pietrucha, M. Wnuk, W. Piwowarska, J. Nessler / Cracow, Poland

**AF: CARdioversion & ANTI-thrombotic ISSUES**

1.30 Awareness of atrial fibrillation and its risk factors  
M. Gwechenberger, A. Hammer, N. Pavo, M. Huelsmann, J. Strometz-Juranek / Vienna, Austria

1.31 Relationship between CHA2DS2-VASc scores and left atrial thrombus in patients with nonvalvular atrial fibrillation  

1.32 Relationship of a CHA2DS2-VASc score and peak velocity of left atrial appendage with left atrial thrombus formation in patients with nonvalvular atrial fibrillation  
CATHETER ABLATION OF AF: MAPPING TECHNIQUES

1.33 Stable Rotors and Focal Sources for Human Atrial Fibrillation Lie Widely In Both Atria

1.34 Prevalence of pulmonary vein activity in patients with atrial fibrillation and healthy subjects utilizing high-sensitive vector magnetocardiography

1.35 Is esophageal temperature monitoring probe reliable for prevention of esophageal injury?
H. Mani, Y. Nishikawa, H. Kitajima, D. Sato, Y.H. Chun / Kyoto, Japan

1.36 Combined dominianti frequency and complex fractionated electrogram ablation after circumferential pulmonary vein isolation in atrial fibrillation
K. Kumagai, Y. Nakatani, K. Minami, T. Sasaki, S. Oshima / Maebashi, Japan

1.37 Adenosine infusion does not facilitate acute pulmonary vein reconnection in observation period after initial isolation
E. Lyan, A. Klukvin, G. Gromyko, F. Tursunova, A. Kazakov, A. Morozov, A. Merkureva, S. Yashin / Saint Petersburg, Russia

1.38 Simultaneous assessment of contact pressure and local electrical coupling index using robotic navigation

1.39 Atrial fibrillation ablation and simultaneous renal sympathetic denervation using the same catheter and navigation system
F. Morgado, P. Cunha, J. Baptista, A. Nobre, R. Lopes, J. Abecassiss, G. Morgado, R. Bernardo, A. Almeida, V. Gil / Lisbon, Portugal

CATHETER ABLATION OF AF: ABLATION TECHNIQUES

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RESULTS OF CRYOBALLOON AND LASER ABLATION OF AF

1.40 Complications of catheter pulmonary veins cryoablation: retrospective trial of a high-volume centre
A. Bohó, S. Misíková, P. Špurný, M. Hudák, M. Kerekanič, B. Stančák / Košice, Slovakia

1.41 The effect of post-procedural cardiac enzyme surge on the long-term recurrence rates after cryo-balloon ablation for atrial fibrillation

1.42 Pulmonary vein isolation using ArcticFront™ Cryoballoon vs. new generation ArcticFront Advance™ Balloon guided by three-dimensional reconstruction of left atrium based on intraprocedural rotational angiography: feasibility and efficacy
J. Kaufmann, M. Sirgiovanni, P. Milewski, C. Kriatselis, E. Fleck, J.H. Gerds-Li / Berlin, Germany

1.43 Conformal Impedance-Based Sensors for Cryoballoon Contact Assessment
J. Work, R. Ghaffari, T. Mihalik, S. Lee, N. Coulombe, K. Heist, C. Liu, Y.Y. Hsu, L. Klinker, J. Ruskin, M. Mansour / Cambridge, USA
Opening Ceremony

18.00 Welcome address
G. Dal Ben
U.L.S.S. 12 Veneziana General Manager

18.10 Presidents’ address
A. Raviele, A. Natale, S. Themistoclakis

18.25 Greetings of Political and Administrative Authorities

18.35 Greetings from the International Scientific Societies Representatives
- H. Calkins - HRS President
- G. Hindricks - EHRA President Elect
- Y.H. Kim - APHRS President
- R. Cappato - ECAS President
- W. Zareba - ISHNE President
- L. Aguinaga - SOLAECE President
- M. Santini - WSA President
- K. Okumura - JHRS President
- L. Padeletti - AIAC President

19.05 Awards

“Raffaella Pieri Cutting-Edge Communication Message Award”

Geographic Areas Special Best Abstract Award

Distinguished Scientist Golden Lionel Award
Lecture
“Mapping and ablation of VT in NICM: lessons learned”
Francis E. Marchlinski

Distinguished Teacher Golden Lionel Award
Lecture
“The rise and fall of antiarrhythmic drugs”
John A. Camm
Sunday 27 afternoon - Arazzi Room

Distinguished Scientist Golden Lionel Award

A. Natale - Congress President
awards F.E. Marchlinski

Lecture:
Mapping and ablation of VT in NICM: lessons learned

Francis E. Marchlinski

Dr. Frank Marchlinski is a graduate of the University of Pennsylvania School of Medicine. He completed his postdoctoral, internal medicine and cardiology-electrophysiology fellowship training at the Hospital of the University of Pennsylvania. He was mentored in EP by Dr. Mark Josephson. He is currently a Professor of Medicine and Director of Electrophysiology for the University of Pennsylvania Health Care System, and Director of the Electrophysiology Laboratory at the Hospital of the University of Pennsylvania. During his thirty plus year history of scientific investigation he has authored over 320 original articles and over 200 book chapters, reviews, and editorials, adding to the body of new knowledge in nearly every area of electrophysiology. He was an early investigator of the role of programmed stimulation for identifying arrhythmia risk after myocardial infarction, and provided the original description of amiodarone pulmonary toxicity. He provided one of the first reports on the clinical efficacy and risks of ICD therapy in the early 1980's and wrote the first report on the need for a 10 Joule defibrillation safety margin for ensuring device clinical efficacy. He also established the important role of ICD electrogram analysis for arrhythmia diagnosis surrounding therapy delivery. He pioneered techniques for ablation of unmappable ventricular tachycardia and proved the important role of epicardial mapping and ablation in preventing recurrent VT in arrhythmogenic RV cardiomyopathy.

Distinguished Teacher Golden Lionel Award

A. Raviele - Congress President
awards J.A. Camm

Lecture:
The rise and fall of antiarrhythmic drugs

John A. Camm

Professor Camm is Professor of Clinical Cardiology at St George’s University, London and Imperial University, London. He is a leader in the field of electrocardiography and cardiac arrhythmias and sits on a number of society boards associated with the subjects, including the World Society of Arrhythmia (WSA), and the Atrial Fibrillation Task Force of the European Society of Cardiology (ESC), of which he is Chairman. He is also Chair of the National Institute for Health and Clinical Excellence (NICE) Guidelines for Acute Coronary Syndrome, and a member of numerous cardiology societies. Professor Camm is a major authority in the area of cardiology and has over 1,200 peer reviewed papers, 300 book chapters and 35 books (as editor, author or both) to his credit. He is also Editor-in-Chief of several leading cardiology journals including Europace and PACE.
Detailed Scientific Program
Monday, October 28, 2013
Anti-thrombotic therapy for cardiac arrhythmias

8.30-10.30
STATE OF THE ART LECTURES ON AF AND THROMBOEMBOLISM
Chairmen: A.J. Camm / London, UK - A.L. Waldo / Cleveland, USA
Lecture 1. Mechanisms of thrombogenesis in AF: insights from experimental models and genetics
V. Roldan / Murcia, Spain
Lecture 2. Stroke and bleeding risk assessment: where are we now?
G.Y.H. Lip / Birmingham, UK

HOW TO USE THE NEW ORAL ANTICOAGULANTS FOR STROKE PREVENTION IN AF
Chairmen: A.J. Camm / London, UK - A.L. Waldo / Cleveland, USA
An overview of the new oral anticoagulants for stroke prevention in AF
R. De Caterina / Chieti, Italy
What do the guidelines say and what should updates modify?
J. Healey / Hamilton, Canada

Anti-thrombotic therapy for cardiac arrhythmias

11.00-13.00
PRACTICAL ASPECTS ON STROKE PREVENTION IN ATRIAL FIBRILLATION - WHAT TO DO?
Chairmen: H. Heidbüchel / Leuven, Belgium - G.Y.H. Lip / Birmingham, UK
My patient on oral anticoagulation has a high stroke and bleeding risk - what to do?
T. Potpara / Belgrade, Serbia
My patient gets a thromboembolic event despite well controlled warfarin
G. Hindricks / Leipzig, Germany
My patient with AF presents with an acute coronary syndrome and needs a stent
B.S. Lewis / Haifa, Israel
My patient taking a novel oral anticoagulant needs surgery, device implantation or ablation
A.J. Camm / London, UK
My patient on dabigatran presents with an ischaemic stroke, and is being considered for thrombolysis
D. Toni / Rome, Italy
My patient taking a novel oral anticoagulant presents major GI bleeding
F. Marín-Ortuño / Murcia, Spain

JHRS Corner

8.30-10.30
DIAGNOSIS AND TREATMENT OF IDIOPATHIC VENTRICULAR ARRHYTHMIAS
Chairmen: K. Hirao / Tokyo, Japan - R. Mantovan / Cesena, Italy
Idiopathic VPC: Distribution of foci and tips of ablation
Y. Yamauchi / Tokyo, Japan
J wave syndrome: clinical diagnosis, risk stratification and treatment
M. Takagi / Osaka, Japan
Idiopathic ventricular tachycardia: trans-catheter ablation or anti arrhythmic drugs?
C. Tondo / Milan, Italy
Electrical storm: incidence, prognosis and therapy
A. Sagone / Milan, Italy

Arrhythmogenic right ventricular dysplasia / cardiomyopathy

11.00-13.00
ARVD/C: FROM GENE TO THERAPY
Chairmen: G. Thiene / Padua, Italy - C. Wolpert / Ludwigsburg, Germany
Is ARVD/C still the correct name?
C. Basso / Padua, Italy
On genotype-phenotype correlation
R.N.W. Hauer / Utrecht, The Netherlands
Who needs pharmacologic therapy?
D. Corrado / Padua, Italy
Who needs catheter ablation, and which approach?
F.E. Marchlinski / Philadelphia, USA
Who needs ICD or combined therapy?
H. Calkins / Baltimore, USA
Monday 28 morning - Piccolo Teatro Room

WSA Corner

8.30-10.30
ATRIAL FIBRILLATION: HETEROGENEITY OF THE OPTIMAL TREATMENT WORLDWIDE

Chairmen: A. Oto / Ankara, Turkey - M. Santini / Rome, Italy

Overview of therapeutic armamentarium: appropriate indications, advantages & disadvantages
C.P. Lau / Hong Kong, China

The optimal treatment in the well developed countries
E.N. Prystowsky / Indianapolis, USA

The optimal treatment in less developed countries
S. Zhang / Beijing, China

Heterogeneity in AF treatment worldwide: a cultural or an economical problem?
P. Kirchhof / Birmingham, UK

AF clinical trials update 2013

11.00-13.00
STROKE PREVENTION IN AF: PARTICULAR ISSUES

Chairmen: R. De Caterina / Chieti, Italy - M. Marquez / Mexico City, Mexico

Cardioversion + oral anticoagulation
A. Capucci / Ancona, Italy

Renal dysfunction + oral anticoagulation
S.H. Hohnloser / Frankfurt, Germany

Coronary disease + oral anticoagulation
G. Di Pasquale / Bologna, Italy

AF ablation + oral anticoagulation
S. Themistocakis / Venice-Mestre, Italy

Risk-benefit analysis of oral anticoagulation in AF
S.J. Connolly / Hamilton, Canada

New technologies and techniques for catheter ablation

8.30-10.30
MAPPING, IMAGING, ABLATING: WHAT'S NEW?

Chairmen: F.E. Marchlinski / Philadelphia, USA - S. Themistocakis / Venice-Mestre, Italy

Non invasive ECG mapping to guide catheter ablation
P. Jais / Bordeaux, France

FIRM mapping: real progress or just increment?
S.M. Narayan / San Diego, USA

New imaging technologies to characterize arrhythmic substrate
A. Dello Russo / Milan, Italy

Technologies for better lesion creation
W.G. Stevenson / Boston, USA

Technologies for measuring catheter contact
J. Kautzner / Prague, Czech Republic

Value of ICE for the electrophysiologists

11.00-13.00
INTRACARDIAC ECHOCARDIOGRAPHY: ADVANCES IN TECHNIQUES AND APPLICATIONS

Chairmen: D. Callans / Philadelphia, USA - D.L. Packer / Rochester, USA

New windows for ICE imaging: using unconventional approaches
C.F. Liu / New York, USA

Left atrial appendage morphology: are ICE and CT correlations feasible?
P. Santangeli / Philadelphia, USA

ICE for left atrial appendage imaging: can it be improved?
D. Lakkireddy / Kansas City, USA

ICE guided CRT: is there evidence of reverse remodeling?
S. Saksena / New Brunswick, USA

Three-dimensional ICE imaging
A. Al-Ahmad / Palo Alto, USA
**EHRA Corner**

8.30-10.30

**OPTIMAL THERAPY IN PATIENTS WITH HEART FAILURE**

*Chairmen: L. Mont / Barcelona, Spain - J.M. Morgan / Southampton, UK*

What is best medical therapy in patients with systolic and diastolic heart failure?

L.W. Stevenson / Boston, USA

Optimal device therapy in CHF-patients with a wide QRS: how important is MRI compatibility?

C. Wolpert / Ludwigshurg, Germany

Therapy in CHF-patients with a narrow QRS: combination of subcutaneous defibrillators with CCM devices?

M. Borggreve / Mannheim, Germany

Does home monitoring improve outcome in CHF-patients?

J.M. Morgan / Southampton, UK

EHRA EP-wires surveys: what is common practice in pacemaker lead management?

C. Blomström-Lundqvist / Uppsala, Sweden

**St. Jude Medical Satellite Symposium**

11.00 - 13.00

**FLUOROSCOPY EXPOSURE DURING ABLATION PROCEDURES AND DEVICE IMPLANTATION: REDUCING THE RISK FOR PATIENTS AND CLINICIANS**

*Chairmen: L. Calò / Rome, Italy - P. Jaïs / Bordeaux, France*

Risks related to fluoroscopy radiation associated with electrophysiology procedures

E. Picano / Pisa, Italy

Near-zero fluoroscopic exposure during catheter ablation of supraventricular arrhythmias: the Italian experience of the NO PARTY trial

M. Casella / Milan, Italy

Routine implant of biventricular ICD guided by an electroanatomic mapping system

M. Del Greco / Trento, Italy

Catheter ablation of atrial fibrillation without radiation exposure using a 3D mapping system

M. Scaglione / Asti, Italy

The unique MediGuide technology for CRT lead placement and catheter ablation

C. Pappone / Cotignola, Italy

Role of Mediguide in AF/SVT/VT ablation – The LESSRADS Registry

D. Lakkireddy / Kansas City, USA

**Pediatric aspects of cardiac arrhythmias**

11.00-13.00

**MANAGEMENT OF CARDIAC ARRHYTHMIAS IN PEDIATRIC AGE**

*Chairmen: G. Kudaiberdieva / Bishkek, Kyrgyzstan - M.J. Strieper / Atlanta, USA*

Unusual pediatric anatomy and challenges

E. Saarel / Salt Lake City, USA

Clinical use and limitations of non-invasive EP tests

G. Kudaiberdieva / Bishkek, Kyrgyzstan

Non-flouroscopic EP studies in the pediatric lab

J. Clark / Akron, USA

Cryo vs radiofrequency ablation for AVNRT

J. Kirsch / Toronto, Canada

Difficulties in pacemaker and ICD implantation

A. Kiliç / Ankara, Turkey

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**CHRS Corner**

8.30-10.30

**CONTROVERSIES IN CATHETER ABLATION AND EP TRAINING**

*Chairmen: P. Guerra / Montreal, Canada - A. Verma / Toronto, Canada*

Improvements in AF ablation outcome will be based more on technological advancement versus mechanistic understanding

PRO: C.A. Morillo / Hamilton, Canada

CON: S. Willems / Hamburg, Germany

We are underutilizing VT ablation in patients with ischemic cardiomyopathy

PRO: K. Soejima / Kawasaki, Japan

CON: J.L. Sapp / Halifax, Canada

European / Canadian round-table on EP training harmonization

Canadian perspective: P. Guerra / Montreal, Canada

European perspective: J.L. Merino / Madrid, Spain

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**Final Program**
Monday 28 morning - Consiglio Room

**French Corner**

**8.30-10.30**

**DAILY CHALLENGES IN ASYMPTOMATIC PATIENTS: FROM CASE REPORTS TO GUIDELINES**

*Chairmen: E. Aliot / Vandoeuvre-lès-Nancy, France - J.J. Blanc / Brest, France*

- A patient with an asymptomatic hypertrophic cardiomyopathy
  B.J. Maron / Minneapolis, USA
- An asymptomatic patient with low ejection fraction and a wide left bundle branch block
  J.C. Daubert / Rennes, France
- A patient with an asymptomatic atrial fibrillation
  G. Hindricks / Leipzig, Germany
- A patient with asymptomatic cerebral lesions during AF ablation
  E.G. Vester / Düsseldorf, Germany
- A patient with an asymptomatic early repolarization
  F. Sacher / Bordeaux, France

**Medico Satellite Symposium**

**10.45-13.00**

**CAN HAEMODYNAMIC SENSING IMPROVE THE PACING THERAPY IN THE REMOTE MONITORING ERA?**

*Chairmen: P. Mabò / Rennes, France - L. Padeletti / Florence, Italy*

- Haemodynamic alterations induced by cardiac pacing: is clinical evaluation sufficient or do we need long-term device monitoring?
  E. Aliot / Vandoeuvre-lès-Nancy, France
- Can Trans Valvular Impedance detect changes in the mechanical performance of the heart?
  F.R. Dorticós Balle / La Havana, Cuba
- Tachyarrhythmias in pacemaker patients: what to ask to the device diagnostics?
  A.M. Gillis / Calgary, Canada
- What are the benefits of matched TVI and intracardiac ECG recording in discriminating between supraventricular and ventricular tachyarrhythmias?
  C. Pandozi / Rome, Italy

Celebrating 40 years of Medico SpA

Monday 28 morning - Borges Room

**Asymptomatic AF**

**8.30-10.30**

**SILENT AF: DETECTION, PROGNOSIS AND INTERVENTIONS**

*Chairmen: H. Kottkamp / Zurich, Switzerland - A. Raviele / Venice-Mestre, Italy*

- Epidemiologic and prognostic implications of “silent” AF
  A. Capucci / Ancona, Italy
- Device based detection: approaches and validation
  T. Lewalter / Munich, Germany
- Stroke and silent AF: a critical assessment
  R. Hatala / Bratislava, Slovak Republic
- Clinical trials in silent AF: are they essential for AF interventions?
  W. Jung / Villingen, Germany
- Implications of silent AF and its progression for AF clinical trials
  S. Saksena / New Brunswick, USA

**Modern Management of AF**

**11.00-13.00**

**IMPROVING THE CONTINUUM OF CARE IN PATIENTS WITH AF: HOW CAN WE MAKE IT SYSTEMATIC?**

*Chairmen: P. Dorian / Toronto, Canada - T. Lobban / London, UK*

- International perspective on outcomes in atrial fibrillation in the emergency room - details from the RELY-AF Registry
  J. Healey / Hamilton, Canada
- Design and implementation of a systematic approach to patients presenting with atrial fibrillation in the emergency room: the Innovate-AF project
  P. Dorian / Toronto, Canada
- The benefits of a systematic, nurse clinician lead atrial fibrillation program
  J.M.L. Hendriks / Maastricht, The Netherlands
- Panel discussion
  P. Dorian / Toronto, Canada
  J. Healey / Hamilton, Canada
  J.M.L. Hendriks / Maastricht, The Netherlands
  T. Lobban / London, UK
  C. Morais / Lisbon, Portugal
  A. Rossillo / Venice-Mestre, Italy
Monday 28 morning - Soffitto Room

Oral Communications

08.30-10.30
VASOVAGAL SYNCOPE: DIAGNOSTIC ISSUES

Chairmen: A. Gonzalez Hermosillo / Mexico City, Mexico - R.A. Kenny / Dublin, Ireland

Familial neurally mediated syncope
M. Nakao, S. Kobayashi, N. Makita / Chiba, Japan

Evaluation of clinical usefulness of standardized, questionnaire-based history evaluation in the diagnosis of syncope
A.Z. Pietrucha, I. Bzukala, M. Wnuk, W. Piwowarska, J. Nessler / Cracow, Poland

Analysis of baroreceptors sensitivity during head-up tilt test in patients with vasovagal syncope
A.Z. Pietrucha, I. Bzukala, J Jедrezycz-Spaho, M. Wnuk, W. Piwowarska, J. Nessler / Cracow, Poland

Misdiagnosis of neurally-mediated syncope revealed by prolonged ECG monitoring. An analysis from the Third International Study on Syncope of Uncertain Etiology (ISSUE-3)

Additional diagnostic value of implantable loop recorder in patients with initial diagnosis of non-syncope transient loss of consciousness
M. Rafanelli, R. Maggi, A. Cecconiglio, D. Solari, M. Brignole, A. Ungar / Florence, Italy

10-year experience in ILR

Efficacy of electrical velocimetry (EV) for the diagnostic of the progressive orthostatic hypotension (POH)
C. Podoleanu, A. Varga, A. Magdas, D. Podoleanu, A. Incz, E. Carasca / Targu Miures, Romania

11.00-13.00
VASOVAGAL SYNCOPE: THERAPEUTIC ISSUES

Chairmen: A. Moya / Barcelona, Spain - W.K. Shen / Phoenix, USA

Syncope clinic: first one year experience and problems in Japan
T. Furukawa, M. Nakajima, Y. Takagi E. Nakano, M. Takano, S. Nishio, T. Harada, Y. Akashi, F. Miyake / Kawasaki, Japan

Evaluation of baroreceptors sensitivity changes during the treatment of vasovagal sensitivity by tilt training
A.Z. Pietrucha, I. Bzukala, M. Wnuk, J Jедrezycz-Spaho, J. Nessler / Cracow, Poland

Limited utility of physical counter-pressure maneuvers in preventing syncopal recurrence in patients older than 40 years with recurrent neurally-mediated syncope. An analysis from the Third International Study on Syncope of Uncertain Etiology (ISSUE-3)

Diagnostic yield of tilt table test to predict recurrences of neurally-mediated reflex syncope in patients treated using a pacemaker
M. Tomaino, C. Romeo, P. Sgobino, J. Rottensteiner, A. Beccarrello, A. Kaneppele / Bolzano, Italy

Dual chamber pacemaker (with rate drop response algorithm) in patients with severe clinical presentation of neurally-mediated syncope selected by implantable loop recorder
M. Tomaino, C. Romeo, P. Donolato, P. Sgobino, A. Beccarrello, J. Rottensteiner, A. Kaneppele / Bolzano, Italy

The benefits of pacemaker therapy in patients with neurally-mediated syncope and documented asystole is greater when tilt test is negative. An analysis from the Third International Study on Syncope of Uncertain Etiology (ISSUE-3)
Monday 28 afternoon - Carnelutti Room

**Sorin Group Luncheon Panel**

13.00-14.30

**CRT GOALS AND ISSUES: THE EXPERTS’ POINT OF VIEW**

*Chairmen:* J.C. Deharo / Marseille, France - J. Steffel / Zürich, Switzerland

- CRT therapy: towards a multidisciplinary approach
  - M. Zecchin / Trieste, Italy

- Maximizing CRT efficacy
  - B. Schaer / Basel, Switzerland

- Exercise plus CRT benefits
  - G. Perego / Milan, Italy

- CRT Health Economics: from HTA to the real approach
  - M. Piacenti / Pisa, Italy

Monday 28 afternoon - Cenacolo Room

**Bayer Luncheon Panel**

13.00-14.30

**STROKE PREVENTION IN ATRIAL FIBRILLATION: THE ROLE OF RIVAROXaban**

*Chairmen:* P. Kirchhof / Birmingham, UK - A. Raviele / Venice-Mestre, Italy

- Rivaroxaban in AF: not only Rocket study
  - R. Cappato / San Donato Milanese, Italy

- Use of Rivaroxaban in the real world compared to results in clinical trials: is there any difference?
  - H. Bonnemeier / Kiel, Germany

- Practical issues on the use of Rivaroxaban
  - S. Themistoclakis / Venice-Mestre, Italy
Medtronic Emerging leaders Luncheon Panel

13.00-14.30
EMERGING LEADERS IN ELECTROPHYSIOLOGY:
CASE PRESENTATION AND DISCUSSION

Chairman: E.N. Prystowsky / Indianapolis, USA

Faculty:
- M.R. Gold / Charleston, USA
- S.H. Hohnloser / Frankfurt, Germany
- M. Santini / Rome, Italy

Case 1
F. Massin / Montpellier, France

Case 2
L. Di Biase / New York, USA

Case 3
P. Foley / Swindon, UK

Case 4
M. Müller / Cologne, Germany

Microlife Luncheon Panel

13.00-14.30
SCREENING FOR ATRIAL FIBRILLATION

Chairmen: A. Moll / Widnau, Switzerland - W.J. Verberk / Widnau, Switzerland

Screening for Atrial Fibrillation – Part 1
G.Y.H. Lip / Birmingham, UK

Screening for Atrial Fibrillation – Part 2
T. Lobban / Stratford-upon-Avon, UK

Screening for Atrial Fibrillation – Part 3
W.J. Verberk / Widnau, Switzerland
Monday 28 afternoon - Arazzi Room

**Atrial fibrillation from A to Z**

**NEW AF MAPPING AND ABLATION TECHNIQUES**

Chairmen: **P. Adragão** / Carnaxide, Portugal - **D.L. Packer** / Rochester, USA

Non-invasive panoramic mapping to assess the underlying mechanisms of AF
M. Haissaguerre / Bordeaux, France

“FIRM” technique to localize focal sources and rotors and guide AF ablation
K. Shivkumar / Los Angeles, USA

PV isolation with visually guided laser balloon catheter: feasibility and results
K.H. Kuck / Hamburg, Germany

AF ablation by using contact force-sensing catheter: tool or toy?
J. Kautzner / Prague, Czech Republic

AF ablation with circular irrigated multi-electrode catheter: efficacy and safety
M. Grimaldi / Acquaviva delle Fonti, Italy

Will electrophysiologists play ball? The ablating EP’s perspective
N.S. Peters / London, UK

**Atrial fibrillation from A to Z**

**AF ABLATION CONTROVERSES: 1. ANTICOAGULATION ISSUES**

Chairmen: **H. Kottkamp** / Zurich, Switzerland - **S. Themistoclakis** / Venice-Mestre, Italy

Should pre-procedural transesophageal echocardiography be performed in all patients including those at low thrombo-embolic risk?
**PRO:** E. Bertaglia / Padua, Italy
**CON:** Y.H. Kim / Seoul, Korea

AF ablation under therapeutic warfarin should be preferred to warfarin discontinuation with peri-procedural bridging with heparin
**PRO:** L. Di Biase / New York, USA
**CON:** R. Cappato / San Donato Milanese, Italy

Oral anticoagulation may be safely stopped after apparently successful AF ablation
**PRO:** D. Lakkireddy / Kansas City, USA
**CON:** S.A. Chen / Taipei, Taiwan

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Monday 28 afternoon - Carnelutti Room

**Japanese Corner**

**REVISIT OF BRUGADA SYNDROME: FROM BASIC MECHANISM TO CATHETER ABLATION**

Chairmen: **P. Delise** / Conegliano Veneto, Italy - **H. Nakagawa** / Oklahoma City, USA

Genetic mutation
N. Makita / Nagasaki, Japan

Basic mechanism: repolarization abnormalities
C. Napolitano / Pavia, Italy

Basic mechanism: RV fibrosis and conduction delay
M.G. Hoogendijk / Nieuwegein, The Netherlands

Antiarrhythmic medications and ICD therapy
K. Kusano / Osaka, Japan

Catheter ablation
C. Tondo / Milan, Italy

**SOLAECE Corner 1**

**ABLATION OF VENTRICULAR COMPLEX SUBSTRATES**

Chairmen: **L. Aguinaga** / Tucuman, Argentina - **M. Figueiredo** / Sao Paulo, Brazil

Usefulness of new imaging techniques to identify complex arrhythmogenic substrates in the ventricle
G. Rodriguez Diez / Mexico City, Mexico

The challenge of ablation of substrates in the outflow tract of the right ventricle and left ventricle
L. Aguinaga / Tucuman, Argentina

The challenge of ablation of ventricular arrhythmias in chagasic patients
R. Keegan / Bahia Blanca, Argentina

Ventricular tachycardia ablation in ischemic heart disease: current status
L. Mont / Barcelona, Spain
Monday 28 afternoon - Piccolo Teatro Room

**Role of Cardiac Imaging in Electrophysiology**

14.30-16.30

**ROLE OF CARDIAC IMAGING IN ELECTROPHYSIOLOGY**

Chairmen: D. Callans / Philadelphia, USA - S. Iliceto / Padua, Italy

Role of echocardiography in the evaluation and management of atrial fibrillation
F. Rigo / Venice-Mestre, Italy

ICE for interventional electrophysiology
A. Rossillo / Venice-Mestre, Italy

Role of cardiac imaging for the exclusion of LAA thrombi
G.M. Fassini / Milan, Italy

How reliable is to assess the presence and extension of atrial fibrosis by cardiac MR imaging
M. Perazzolo Marra / Padua, Italy

Role of cardiac MR imaging in the evaluation and management of patients with ventricular arrhythmias
M.J. Garcia / New York, USA

Monday 28 afternoon - Cenacolo Room

**AF clinical trials update 2013**

**AF REGISTRIES**

Chairmen: S.J. Connolly / Hamilton, Canada - S.H. Hohnloser / Frankfurt, Germany

Overview of different registries
G.Y.H. Lip / Birmingham, UK

Update on RECORDAF registry
A.J. Camm / London, UK

Global burden of AF (RE-LY Registry)
J. Healey / Hamilton, Canada

Newly diagnosed AF at risk of stroke (GARFIELD Registry)
A. Kakkar / London, UK

Registry on LAA occlusion device
M. Mansour / Boston, USA

**AF clinical trials update 2013**

17.00-19.00

**AF THERAPY TRIALS**

Chairmen: C. Blömstrom-Lundqvist / Stockholm, Sweden - P. Dorian / Toronto, Canada

Dronedarone meta-analysis
S.H. Hohnloser / Frankfurt, Germany

PALLAS sub-analysis
N.S. Peters / London, UK

First-line ablation trials
C.A. Morillo / Hamilton, Canada

Ablation trials on mortality outcome
D.L. Packer / Rochester, USA

Update on LAA device and surgery trials
E. Saad / Rio de Janeiro, Brazil

**Vasovagal Syncope**

17.00-19.00

**NEGLECTED ASPECTS OF VASOVAGAL SYNCOPES**

Chairmen: A. Moya / Barcelona, Spain - R. Sutton / Monte Carlo, Monaco

The meaning of vasovagal reactions in animals
P. Alboni / Ferrara, Italy

The meaning of vasovagal syncope in humans
J.J. Blanc / Brest, France

Vasovagal syncope starting in the young and in the elderly: the same nosologic entity?
W.K. Shen / Phoenix, USA

Psychological disturbances in subjects with frequent vasovagal syncope: possible cause or consequence?
R.S. Sheldon / Calgary, Canada
Monday 28 afternoon - Cipressi Room

Heart failure and resynchronization therapy

14.30-16.30

INDIVIDUALIZING CARDIAC RESYNCHRONIZATION THERAPY DELIVERY (1)

Chairmen: M.R. Gold / Charleston, USA - J.S. Steinberg / New York, USA

CRT in patients with right bundle branch block: yes, no, perhaps?
M.R. Gold / Charleston, USA

Role of PVC ablation in improving the response rate of CRT patients
D. Lakkireddy / Kansas City, USA

Persistent and permanent AF in CRT patients: which treatment strategy?
M. Brignole / Lavagna, Italy

Targeted LV lead placement to guide CRT: a worthy approach?
P. Lambiase / London, UK

Radiation dose reduction during CRT implantation: do we have an issue here?
A.M. Russo / Cherry Hill, USA

Heart failure and resynchronization therapy

17.00-19.00

INDIVIDUALIZING CARDIAC RESYNCHRONIZATION THERAPY DELIVERY (2)

Chairmen: J.C. Daubert / Rennes, France - C. Linde / Stockholm, Sweden

AV optimization in CRT: when is it useful?
M.R. Gold / Charleston, USA

Follow-up of a CRT patient: when remote, when in-person
J.C. Daubert / Rennes, France

CRT super-responder: worth thinking to downgrade from CRT-D to CRT-P?
C. Linde / Stockholm, Sweden

Percutaneous mitral valve repair in CRT patients: indication and outcome
K.H. Kuck / Hamburg, Germany

Lead extraction in CRT patients: frequency, challenges, and outcome
C. Kennergren / Gothenburg, Sweden

Monday 28 afternoon - Barbantini Room

Arrhythmias in adults with congenital heart disease: beyond evidence-based medicine

14.30-16.30

MECHANISMS AND PREVENTION OF ARRHYTHMIAS

Chairmen: J. Hebe / Bremen, Germany - E. Rosenthal / London, UK

Anatomy: view to the morphology of the unoperated heart
S.Y. Ho / London, UK

Arrhythmogenesis: incidence and substrates for tachycardia - where to burn (or not) in 2020?
N.A. Blom / Leiden, The Netherlands

Prognosticators in a heterogeneous population: objectives for primary prevention?
E. Rosenthal / London, UK

Resynchronisation of the “abnormal” heart - who is a candidate - on what rationale?
H. Abdul-Khaliq / Homburg-Saar, Germany

Arrhythmias in adults with congenital heart disease: beyond evidence-based medicine

17.00-19.00

THERAPEUTIC CHALLENGES

Chairmen: N.A. Blom / Leiden, The Netherlands - R. Ventura / Bremen, Germany

Anatomy: view to the morphology of the operated heart
S.Y. Ho / London, UK

Atrial tachycardia: lessons learned from 20 years of interventional treatment
J. Hebe / Bremen, Germany

Ventricular tachycardia: systematic approaches despite variant anatomy
K. Zeppenfeld / Leiden, The Netherlands

Challenges of device implantation: any limitations left in 2013?
F. Drago / Rome, Italy
**Monday 28 afternoon - Consiglio Room**

### Mechanisms and ablation of cardiac arrhythmias

14.30-16.30
**MECHANISMS & VALUE OF EP STUDY**

Chairman: M.M. Scheinman / San Francisco, USA - K. Soejima / Kawasaki, Japan

- Mechanisms of cardiac arrhythmias
  F.E. Marchlinski / Philadelphia, USA

- Mechanisms and treatment options for patients with genetic arrhythmic syndromes
  M.J. Ackerman / Rochester, USA

- Role of the autonemics in the pathogenesis of atrial fibrillation
  C. Pappone / Cotignola, Italy

- Use of the EP laboratory to diagnose patients with SVT
  M.M. Scheinman / San Francisco, USA

- Use of the EP laboratory to diagnose patients with wide complex tachycardia
  H. Calkins / Baltimore, USA

### Mechanisms and ablation of cardiac arrhythmias

17.00-19.00
**ABLATION OF CARDIAC ARRHYTHMIAS**

Chairman: M.M. Scheinman / San Francisco, USA - G. Turitto / New York, USA

- Ablation of AVNRT and junctional tachycardias
  M.M. Scheinman / San Francisco, USA

- Ablation of typical and variant accessory pathways
  F.E. Marchlinski / Philadelphia, USA

- Ablation of atrial fibrillation
  M. Haïssaguerre / Bordeaux, France

- Ablation of idiopathic VT
  E. Aliot / Vandoeuvre-lès-Nancy, France

- Ablation of VT associated with structural cardiac disease
  K. Soejima / Kawasaki, Japan

**Monday 28 afternoon - Borges Room**

### EHRA Corner

14.30-16.30
**TRANSLATIONAL APPROACHES IN PERSISTENT ATRIAL FIBRILLATION**

Chairmen: A. Goette / Magdeburg, Germany - J.L. Merino / Madrid, Spain

- Differences in quality of life in paroxysmal and persistent AF
  K.H. Ladwig / Munich, Germany

- Novel concepts and tools for catheter ablation of persistent AF
  G. Hindricks / Leipzig, Germany

- Pathophysiological characterizations of fractionated electrograms: how to define ablation targets?
  D. Lau / Maastricht, The Netherlands

- Long-term outcome after ablation of persistent AF
  F. Gaita / Turin, Italy

### Indian Corner

17.00-19.00
**THE LEFT ATRIAL APPENDAGE: NEW INSIGHTS & INTERVENTIONS**

Chairmen: S. Saksena / New Brunswick, USA - A. Ravikishore / Bangalore, India

- Imaging the left atrial appendage: techniques and advances
  B. Singh / Gurgaon, India

- Does the anatomy of left atrial appendage correlate with the risk of stroke?
  A. Natale / Austin, USA

- Mapping the left atrial appendage during AF ablation
  C. Tondo / Milan, Italy

- Percutaneous device occlusion of the left atrial appendage: current status
  T. Lewalter / Munich, Germany

- Catheter ablation of AF in combination with left atrial appendage closure: feasibility and results
  L. Boersma / Nieuwegein, The Netherlands
Oral Communications

**14.30-16.30**
AF: CARDIOVERSION & ANTI-THROMBOTIC ISSUES

Chairmen: E. Pisanò / Lecce, Italy - T. Potpara / Belgrade, Serbia

Conversion of acute atrial fibrillation with propafenone or vernakalant
D. Conde, J.P. Costabel, M. Aragon, M. Lambrardi, M. Trivi, A. Giniger / Buenos Aires, Argentina

Pharmacological management of recent-onset atrial fibrillation in acute setting: an open-label cohort study
A. Bonora, F. Beltrame, G. Taioli, G. Zerman, P. Castiglioni, R. Codogni, E. Sanzone, E. Franchi, D. Girelli, C. Pistorelli / Verona, Italy

Determination of influencing factors and correlation after electric cardioversions in various atrial fibrillation paroxysm recidives
A. Strēlnieks, O. Kalējs, A. Lejnieks, A. Kalniņ, I. Vilnite / Riga, Latvia

Clinical characteristics and outcomes of patients with non-valvular atrial fibrillation who undergo multiple direct-current cardioversion procedures

Utility of the CHADS2 andCHA2DS2-VASc scores to predict embolic risk after direct-current cardioversion in non-valvular atrial fibrillation

Warfarin dosing algorithm is safe and effective in the elderly
A. Salacata, S. Keavey / Alpena, USA

Analysis of problems in oral anticoagulants real clinical practice by patients with atrial fibrillation
A. Strēlnieks, B. Litunenko, M. Vikmane, S. Sakne, G. Rancane, A. Lejnieks, A. Erglis, O. Kalejs / Riga, Latvia

Novel oral anticoagulants in patients undergoing catheter ablation for atrial fibrillation
D. Bastian, K. Goehl / Nuremberg, Germany

**17.00-19.00**
CATHETER ABLATION OF AF: MAPPING TECHNIQUES

Chairmen: A. Ardashev / Moscow, Russia - G. Barbato / Bologna, Italy

Non invasive electrocardiographic imaging and catheter ablation of persistent atrial fibrillation of persistent atrial fibrillation: initial experience
A. Revishvili, O. Sopov, E. Labartkava, T. Dzhordzhikia, V. Kalinin / Moscow, Russia

Rotors and focal sources are stable in location for thousands of cycles in patients with persistent or paroxysmal atrial fibrillation with or without prior ablation
S.M. Narayan, R. Sehra, D.E. Krummen, K. Shivkumar, J.M. Miller, V. Swarup / San Diego, USA

Identification of left atrium ganglionated plexi by dense epicardial mapping as ablation targets for the treatment of concomitant atrial fibrillation

Radiofrequency ablation approach in paroxysmal atrial fibrillation patients using either mathematical scanning or clinical approach
A. Ardashev, M. Mazurov, I. Kaluzhny, E.G. Zhelyakov, Y. Belenko / Moscow, Russia

Ganglionated plexi ablation directed by high-frequency stimulation and complex fractionated atrial electrograms for paroxysmal atrial fibrillation
A. Strēlnikov, D. Losik, S. Bayramova, E. Pokushalov, A. Romanov, S. Artyomenko, N. Shirokova, A. Turov, A. Karaskov / Novosibirsk, Russia
Poster Session 2

**Presenters must be on-site to answer questions at the below scheduled times:**
10.30-11.00 16.30-17.00

**CATHETER ABLATION OF AF: LONG-TERM RESULTS (OUTCOME)**

2.1 Radiofrequency catheter ablation to paroxysmal atrial fibrillation patients with persistent left superior vena cava

2.2 Incidence and severity of pulmonary vein stenosis after isolated cryoballoon and after mixed isolation with cryoballoon and radiofrequency

2.3 Atrial fibrillation ablation: predictors of recurrence, does paroxysmal AF rule the outcome?
F. Moscoso Costa, D. Cavaco, H. Dores, P. Santos, P. Carmo, G. Cardoso, S. Carvalho, F. Morgado, P. Adragão / Lisbon, Portugal

2.4 Referral Bias among Electrophysiologists performing atrial fibrillation radio-frequency ablation (AF-RFA) vs electrophysiologists not performing AF-RFA: A randomized evaluation

2.5 Tako-Tsubo Cardiomyopathy following catheter ablation of atrial fibrillation
F. Kilicaslan, O. Karaca, E. Guler, F. Kizilirmak, M. Biteker, A. Tokatli, O. Omaygenc, A. Olcay, E. Olgun / Kocaeli, Turkey

**CATHETER ABLATION OF AF: PREDICTORS OF SUCCESS**

2.6 The Impact of Polysaturated Fatty Acid on The Recurrence After Ablative Therapy in Patients with Persistent Atrial Fibrillation

2.7 Echocardiographic and ECG predictors of late arrhythmia recurrence after radiofrequency catheter ablation of atrial fibrillation
A. Ardashev, E.A. Dolgushina, E.G. Zhelyakov, A.V. Konev, V.N. Ardashev / Moscow, Russia

2.8 Decreased atrial appendage velocity does not predict recurrence at long-term in patients who underwent cryoballoon ablation for atrial fibrillation

2.9 Gastroesophageal reflux disease predicts atrial fibrillation recurrence after pulmonary vein isolation
L. Lioni, K. Vlachos, M. Efremidis, K. Letsas, A. Sideris / Athens, Greece

2.10 The Role of Baseline Level of Serum High Sensitivity C-reactive Protein in Long-term Recurrence After Ablative Therapy in Patients With Persistent Atrial Fibrillation

**SURGERY FOR CARDIAC ARRHYTHMIAS**

2.11 Minimally invasive thoracoscopic hybrid treatment of lone atrial fibrillation: early results of monopolar versus bipolar radiofrequency source

2.12 Diagnostic value of postural-induced changes in the QT interval in patients with the congenital long QT syndrome
M. Theodorsson, V.N. Batchvarov, E. Behr / London, UK

2.13 Factors that determine the chance of survival from cardiac arrest

2.14 Hypertrophic Cardiomyopathy – Caused of death in patients with an ICD
P. Magnusson, F. Gadler, S. Mörner / Stockholm, Sweden
Monday 28 - Poster Area

2.15 The factors affecting psychological quality of life of implantable cardioverted-defibrillator patients
Y. Kondo, M. Ueda, K. Miyazawa, M. Ishimura, T. Kajiyama, N. Hashiguchi, T. Kanaeda, Y. Sato, M. Inagaki, T. Kurita, Y. Kobayashi / Chiba, Japan

2.16 Ventricular pre-excitation manifested in the course of Aortic valve endocarditis resulted in multiple VFs and sever left ventricular dysfunction
A. Bagherli, A. Khadem / Winnipeg, Canada

2.17 A case of left ventricular aneurysm of uncertain etiology presenting as ventricular tachycardia
H. Baccar, A. El Jery, S. Marouen, M. Gzara, A. Marouen / Tunis, Tunisia

2.18 Implantable cardioverter-defibrillators for prevention of sudden cardiac death in patients at high risk for life-threatening tachycardia
A. Baimbetov, B. Iskakova, T. Moldabekov, S. Ivanova, N. Kosibayeva, D. Marat, S. Borovsky / Astana, Kazakhstan

2.19 Efficacy of implantable cardioverter defibrillators in patients with idiopathic ventricular tachyarrhythmias

2.20 An elevated defibrillation threshold during routine ICD testing is associated with an increased risk of appropriate ICD interventions
J.L. Bonnes, J. Jaspers Focks, S.W. Westra, M.A. Brouwer, J.L.R.M. Smeets / Nijmegen, The Netherlands

2.21 Prevention of sudden cardiac death with implantable cardioverters defibrillator in the elderly: a single centre experience
K. Polymeropoulos, A. Vosnakidis, P. Ioannidis, J. Zarifis / Thessaloniki, Greece

2.22 Prevention of sudden cardiac death with implantable cardioverter defibrillator: a single centre experience
K. Polymeropoulos, A. Vosnakidis, P. Ioannidis, J. Zarifis / Thessaloniki, Greece

2.23 Long-term surveillance of the patients without verified ventricular dysrhythmia treated with ICD for secondar prevention of sudden cardiac death
S. Misikova, A. Boho, B. Stancak, E. Komanova / Kosice, Slovakia

Monday 28 - Poster Area

2.24 Usefulness of implantable cardioverter-defibrillators in survivors of cardiac arrest with coronary spasm and inducible ventricular arrhythmia
S. Tao, K. Otomo, Y. Ono, Y. Yamauchi, K. Hirao / Tokyo, Japan

2.25 Is right ventricular pacing associated with an increased incidence of appropriate implantable cardioverter defibrillator (ICD) therapy?
C.M. Seifer, A. Farag / Winnipeg, Canada

2.26 The incidence of ICD system modification is not increased after implantation without intraoperative testing
D. Bastian, S. Kracker, K. Goehl / Nuremberg, Germany

2.27 Our experience in device implantation in patients with persistent left superior vena cava
A. Tokatli, F. Kilicaslan, M. Uzun, B.S. Cebeci / Kocaeli, Turkey

2.28 Brugada syndrome in infero-lateral leads: higher risk of sudden cardiac death?
A. Medeiros-Domingo, P. Iturralde, M.J. Ackerman, J.C. Makielski, C. Valdivia / Bern, Switzerland

PACEMAKER THERAPY & TRANSVENOUS LEAD EXTRACTION

2.29 Anti bradycardia pacing of cardiology University Hospital Tlemcen Algeria. About 500 cases
B. Fouad, M.T. Abderrahim / Tlemcen, Algeria

2.30 Feasibility of a new algorithm (ACAP confirm) for automatic atrial capture testing
J.A. Lapuerta Irigoyen, I. Valverde Andre, P. Vigil Escalera / Gijon, Spain

2.31 Correction of chronotropic incompetence with rate-responsive device in a DDD pacemaker population: results from a pilot screening study
E. Occhetta, M.V. Di Ruocco, E. Facchini, L. Ferrarotti, A. Magnani, L. Plebani, P. Marino / Novara, Italy

2.32 Pacemaker follow-up after TAVI
2.33 Longevity of Medtronic Sprint Fidelis ICD lead during over 5-year long-term follow-up

2.34 Efficacy and feasibility of cardiovascular implantable electronic devices lead extraction in low ejection fraction patients
   M. Nagashima, Y. Kazuno, M. Fukunaga, M. Goya, M. Nobuyoshi / Kitakyushu, Japan

2.35 Cardiac device endocarditis with infected vegetations: a single-centre experience and consequences of transvenous extraction
   M. Nagashima, Y. Kazuno, M. Fukunaga, M. Goya, M. Nobuyoshi / Kitakyushu, Japan

2.36 Lead dependent infective endocarditis – A diagnostic challenge
   A. Polewcyzk, A. Kutarski, A. Tomaszewski, K. Boczar, M. Janion / Kielce, Poland

2.37 Is transvenous leads extraction more hazardous procedure in patients with lead dependent infective endocarditis?
   A. Polewcyzk, A. Kutarski, A. Tomaszewski, K. Boczar, M. Janion / Kielce, Poland

2.38 A novel method to manage ICD lead fracture in a very high risk patient. Case report

2.39 Effectiveness of the TopClosures 3S system in prevention of hematoma formation following implantation of cardiovascular electronic devices in patients prone to bleeding

2.40 Impact of active versus passive fixation ventricular leads on pacemaker longevity
   N. Al-Shoaibi N. Kanasal, S. Menon, C.A. Morillo, J. Healey, S. Ribas, S.J. Connolly / Hamilton, Canada

2.41 High failure rate of the 5 French Sorin HEPTA 4B pacemaker lead

2.42 Use of Chest Computer Tomography (CT) scan in patient undergoing laser lead extraction
   Y. Okamoto, C. Balabanoff, R. Carrillo / Miami, USA

2.43 Is the Transvenous Extraction of Cardioverter-Defibrillator Leads and Left Ventricular Leads More Risky than that of Pacemaker Leads?
   Y. Kazuno, M. Nagashima, M. Fukunaga, M. Goya, M. Nobuyoshi / Kitakyushu, Japan

2.44 Clinical significance of collateral superficial vein across the clavicle in patients with transvenous permanent device
Detailed Scientific Program
Tuesday, October 29, 2013
Tuesday 29 morning - Arazzi Room

Atrial fibrillation from A to Z

8.30-10.30
AF ABLATION CONTROVERSIES: 2. PROCEDURAL ISSUES

Chairmen: S.A. Chen / Taipei, Taiwan - C. Pappone / Cotignola, Italy

AF termination / inducibility are not of great value in predicting clinical outcome
PRO: D.L. Packer / Rochester, USA
CON: Y.H. Kim / Seoul, Korea

Elimination of triggers without an additional substrate modification is not sufficient in patients with persistent AF
PRO: S. Willems / Hamburg, Germany
CON: D. Callans / Philadelphia, USA

Should adenosine test be performed systematically at the end of AF ablation procedure?
PRO: R. De Ponti / Varese, Italy
CON: N.S. Peters / London, UK

Tuesday 29 morning - Carnelutti Room

APHRS Corner

8.30-10.30
RVOT TACHYCARDIA: BENIGN TACHYCARDIA OR EARLY STAGE ARVD/C TACHYCARDIA?

Chairmen: G. Hindricks / Leipzig, Germany - K. Okumura / Hirosaki, Japan

Understanding the anatomy of RV and RVOT
R. De Ponti / Varese, Italy

Cellular electrophysiology and ionic current of RVOT
H. Honjo / Nagoya, Japan

Delayed enhanced cardiac MR image in idiopathic RVOT-VT and early stage ARVD/C
K. Shivkumar / Los Angeles, USA

ICD therapy in RVOT-VT and early stage ARVD/C
T.Z. Chao / Taipei, Taiwan

Catheter ablation strategy in RVOT-VT and early stage ARVD/C
C. Carbucchio / Milan, Italy

Atrial fibrillation from A to Z

11.00-13.00
AF ABLATION CONTROVERSIES: 3. CLINICAL ISSUES

Chairmen: A. Raviele / Venice-Mestre, Italy - K.H. Kuck / Hamburg, Germany

Silent cerebral micro-embolisms detected by MRI following AF ablation are clinically insignificant findings
PRO: W. Jung / Villingen, Germany
CON: F. Gaita / Turin, Italy

Ablation should be first-line therapy in all patients with paroxysmal AF
PRO: A. Natale / Austin, USA
CON: P. Dorian / Toronto, Canada

Very long-term results of AF ablation confirm that this therapy is really effective
PRO: D. Callans / Philadelphia, USA
CON: S. Lévy / Marseille, France

SOLAECE Corner 2

11.00-13.00
RIGHT VENTRICULAR OUTFLOW TRACT TACHYCARDIAS

Chairmen: L. Molina / Mexico City, Mexico - J.L. Ramos / Rosario, Argentina

Which is the appropriate arrhythmia burden to offer RF ablation for RVOT tachycardias?
C. Karmelic / Santiago, Chile

What is the real rate of cure for RVOT tachycardias?
A. Fuenmayor / Mérida, Venezuela

Is balloon technique (ARRAY) better than other ablation techniques?
L.C. Saenz Morales / Bogotà, Colombia

How to identify & treat epicardial origin of RVOT tachycardias
M. Scanavacca / Sao Paulo, Brazil
### Cardiac Arrhythmias Surgery

**Tuesday 29 morning - Cenacolo Room**

#### 8.30-10.30
**CONCOMITANT AF SURGICAL ABLATION**

**Chairmen:** R.J. Jr. Damiano / St. Louis, USA - L. Salvador / Vicenza, Italy

Surgical ablation of AF: is PV electrical isolation a must?
R. Codecasa / Florence, Italy

Results with bipolar RF ablation
R.J. Jr. Damiano / St. Louis, USA

Results with cryoablation technique
A. Venturini / Venice-Mestre, Italy

Evaluation of results with echocardiography: the surgical point of view
G. Zoffoli / Venice-Mestre, Italy

Concomitant AF surgical ablation: state of the art
S. Benussi / Milan, Italy

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#### 11.00-13.00
**LONE AF SURGICAL ABLATION**

**Chairmen:** U. Livi / Udine, Italy - E. Polesel / Treviso, Italy

Lone AF: is there a rationale?
F. Musumeci / Rome, Italy

Lone AF: Venice experience after five years
D. Mangino / Venice-Mestre, Italy

Minimally invasive full Maze for lone AF: on pump is better?
R.J. Jr. Damiano / St. Louis, USA

The “hybrid” procedure
M. La Meir / Maastricht, The Netherlands

The results are better than trans-catheter approach
J.R. Edgerton / Dallas, USA

### Syncope 2013 Update

**Tuesday 29 morning - Piccolo Teatro Room**

#### 8.30-10.30
**Opening remarks**
A. Raviele / Venice-Mestre, Italy

**PATHOPHYSIOLOGY OF SYNCOPE**

**Chairmen:** D.G. Benditt / Minneapolis, USA - B. Olshansky / Iowa City, USA

Cerebral autoregulation in health and disease: role in syncope
J.G. Van Dijk / Leiden, The Netherlands

The evolutionary origins of vasovagal syncope
P. Alboni / Ferrara, Italy

Susceptibility to vasovagal syncope: inherited or acquired?
R.S. Sheldon / Calgary, Canada

Idiopathic paroxysmal AV block: what is the mechanism?
M. Brignole / Lavagna, Italy

Case study #1
J.J. Blanc / Brest, France

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#### 11.00-13.00
**CLINICAL EVALUATION AND RISK STRATIFICATION**

**Chairmen:** F. Giada / Noale, Italy - S. Mittal / New York, USA

Long-term impact of recurrent syncope on cerebral function and quality of life
C.A. Morillo / Hamilton, Canada

Conditions mimicking syncope: recognition and management
R. Sutton / Monte Carlo, Monaco

Risk stratification of the syncope/collapse patient
W.K. Shen / Phoenix, USA

How to set up a syncope unit
R.A. Kenny / Dublin, Ireland

Case study #2
A. Bartoletti / Florence, Italy
Tuesday 29 morning - Cipressi Room

Indian Corner

8.30-10.30
CRT: ELECTROCARDIOGRAPHY, PATIENT SELECTION AND OPTIMAL APPLICATION IN EMERGING NATIONS

Chairmen: D. Lakkireddy / Kansas City, USA - S. Sakse / New Brunswick, USA

- ECG patterns in CRT
  A. Ravikishore / Bangalore, India

- Optimizing CRT - do we need more imaging methods
  A.E. Epstein / Philadelphia, USA

- Optimizing CRT - do we need more leads and delivery methods
  B.L. Wilkoff / Cleveland, USA

- CRT in AF and heart failure
  J. Brachmann / Coburg, Germany

CRT: pre-implant, implant & post-implant issues

11.00-13.00
OPTIMIZATION OF CRT THERAPY

Chairmen: C. Linde / Stockholm, Sweden - K.K. Sethi / New Delhi, India

- Refining candidates for CRT therapy beyond current guidelines: ECG and imaging tools
  R. Ventura / Bremen, Germany

- Co-morbidities and CRT: when should they modify patient selection?
  P. Santangeli / Philadelphia, USA

- Pre-implant assessment for optimal LV lead placement: ECG, echo or MRI?
  M.R. Gold / Charleston, USA

- Intraoperative imaging for CRT optimization: is there a role?
  S. Sakse / New Brunswick, USA

- Clinical relevance of systematic CRT device optimization
  M. Lunati / Milan, Italy

Tuesday 29 morning - Barbantini Room

ECAS Corner

8.30-10.30
LATEST NEWS IN THE EVALUATION AND MANAGEMENT OF CARDIAC ARRHYTHMIAS

Chairmen: R. Cappato / San Donato Milanese, Italy - D. Shah / Geneva, Switzerland

- New mapping tools for cardiac arrhythmias
  J. Sra / Milwaukee, USA

- Cryptogenic stroke and role of loop recorder
  J. Brachmann / Coburg, Germany

- Exercise-induced ARVC: fact or fiction?
  H. Heidbüchel / Leuven, Belgium

- Experimental evidence of the role of renal sympathetic denervation for treating atrial fibrillation
  J.S. Steinberg / New York, USA

- Post-operative atrial fibrillation: what's new in management?
  M. Imazio / Turin, Italy
**Tuesday 29 morning - Barbantini Room**

### Oral Communications OC

#### 11.00-13.00 PREVENTION OF SD BY ICD

**Chairmen:** J. Brachmann / Coburg, Germany - B. Sassone / Cento, Italy

Twelve-year follow-up of out of hospital cardiac arrest resuscitation without chest compressions  
A. Capucci, D. Aschieri, V. Pelizzoni, F. Guerra, G.H. Bardy / Ancona, Italy

Value of the defibrillator west asa bridging-therapy before implantation of a cardioverter defibrillator (ICD)  
J. Sperzel, M. Jung, E. Akkaya, T. Neumann, S. Szynkiewicz, H. Esser, M. Kuniss / Bad Nauheim, Germany

Sudden death after TAVI. Are bradyarrhythmias always the cause?  

The utilization of implantable cardioverter defibrillators in patients with chronic heart failure  

Interventricular atrial rhythm dissociation during intraoperative shock test of CRT-D device  
J.C. Buenfil Medina, M. Millan Catalan, N. Juarez Pelcastre, N. Alonzo Ortiz / Mexico City, Mexico

A scoring for appropriate therapy risk assessment in patients with implantable cardioverter – defibrillator for primary prevention of sudden cardiac death and coronary after artery disease  
G. Gromyko, S. Chetverikov, M. Didenko, G. Pasenov, S. Yashin / Saint-Petersburg, Russia

Health care utilization by patients experiencing appropriate ICD shocks  
D. Giedriiene, C. Coleman, S. Bhavnani, J. Kluger / Hartford, USA

Low total root-mean square QRS voltage in signal-averaged ECG predicts ventricular tachyarrhythmias in ischemic ICD patients  

**Tuesday 29 morning - Consiglio Room**

### Present your most challenging cases - Rising stars and more CC

#### 8.30-10.30 SUPRAVENTRICULAR ARRHYTHMIAS

**Chairmen:** A. Rossillo / Venice-Mestre, Italy - M.M. Scheinman / San Francisco, USA

A difficult case of SVT  
Presenter: R. Verlato / Camposampiero, Italy  
Discussant: H. Nakagawa / Oklahoma City, USA

A difficult case of atrial tachycardia  
Presenter: J.D. Burkhardt / Austin, USA  
Discussant: M.M. Scheinman / San Francisco, USA

A difficult case of right atrial flutter  
Presenter: G.B. Chierchia / Brussels, Belgium  
Discussant: F. Gaita / Turin, Italy

A difficult case of left atrial flutter  
Presenter: L. Mont / Barcelona, Spain  
Discussant: N. Derval / Bordeaux, France

A difficult case of AF  
Presenter: Y. Huo / Dresden, Germany  
Discussant: A. Verma / Montreal, Canada

#### 11.00-13.00 VENTRICULAR ARRHYTHMIAS

**Chairmen:** L. Di Biase / New York, USA - W.G. Stevenson / Boston, USA

A difficult case of VA in a patient with myocarditis: ICD yes/no after ablation  
Presenter: M. Tritto / Castellanza, Italy  
Discussant: W.G. Stevenson / Boston, USA

A difficult case of VA in non ischemic cardiomyopathy  
Presenter: C. Carbucicchio / Milan, Italy  
Discussant: K. Zeppenfeld / Leiden, The Netherlands

A difficult case of VA in ischemic cardiomyopathy  
Presenter: R. De Ponti / Varese, Italy  
Discussant: L. Di Biase / New York, USA

A difficult case of epicardial ablation  
Presenter: E. Saad / Rio de Janeiro, Brazil  
Discussant: K. Shivkumar / Los Angeles, USA

A questionable indication for ICD extraction after successful ablation  
Presenter: J.C. Deharo / Marseille, France  
Discussant: D.S. Cannom / Los Angeles, USA
Tuesday 29 morning - Borges Room

Portuguese Corner

8.30-10.30
AF ABLATION: PORTUGUESE EXPERIENCE

Chairmen: P. Adragão / Carnaxide, Portugal - C. Morais / Lisbon, Portugal

Indications for AF ablation: before or after AA drugs failure?
J. Primo / Lisbon, Portugal

Mapping AF
P. Carmo / Carnaxide, Portugal

PV isolation: one-shot ablation?
J. De Sousa / Lisbon, Portugal

Robotic AF ablation
D. Cavaco / Carnaxide, Portugal

How to follow AF ablation patients?
M.M. Oliveira / Lisbon, Portugal

Spanish Corner

11.00-13.00
“HOT EP TOPICS” IN SPAIN IN 2013: ECONOMY, CLINICAL RESULTS, ACCREDITATION & ORGANIZATION

Chairmen: J.L. Merino / Madrid, Spain - L. Mont / Barcelona, Spain

ICD implantation practice within Europe: how to explain the differences beyond economy?
I. Fernandez-Lozano / Madrid, Spain

Results from ablation registries in Europe: a gap between publications and clinical practice?
J.L. Merino / Madrid, Spain

Spanish multicentre trials on AF ablation: new answers for old questions
L. Mont / Barcelona, Spain

Outcomes and consequences after 10 years of a national accreditation program on EP
J.L. Merino / Madrid, Spain

How to develop a leading national scientific society in EP? Processes and keys for success
A. Moya / Barcelona, Spain

Tuesday 29 morning - Soffitto Room

Oral Communications

08.30-10.30
CATHETER ABLATION OF AF: ABLATION TECHNIQUES

Chairmen: E. Bertaglia / Padua, Italy - R.A. Schweikert / Akron, USA

Radiation dose is significantly reduced by use of contact force sensing catheter during circumferential pulmonary vein isolation
K.A. Walsh, G.J. Fahy / Cork City, Ireland

Prospective evaluation of a novel catheter tracking system aimed at reducing fluoroscopy exposure: preliminary results of the atrial fibrillation ablation cohort

ICE in catheter ablation. It’s better to see what you are doing
O.V. Sapelnikov, A.S. Partigulova, P.V. Mezenstev, D.I. Cherkashin, A.B. Toporinskiy, I.R. Grishin, A.V. Chapyrnikh, R.S. Akchurin / Moscow, Russia

Complete isolation of the left atrial posterior wall (box lesion) to treat longstanding persistent atrial fibrillation
E. Saad, C. Slater, L.A. Inacio Jr., L.E. Camanho / Rio de Janeiro, Brazil

Ganglionated plexi ablation combined with pulmonary vein isolation improves outcome of catheter ablation in patients with longstanding persistent atrial fibrillation: a prospective randomized comparison.
S. Bayramova, D. Losik, A. Strelnikov, A. Romanov, E. Pokushalov, S. Artymenko, N. Shirokova, A. Karaskov / Novosibirsk, Russia

Atrial fibrillation ablation using magnetic navigation: comparison with conventional approach during long-term follow-up
P. Adragão, F. Moscoso Costa, D. Cavaco, P. Santos, S. Carvalho, G. Cardoso, P. Carmo, K. Santos, L. Parreira, F. Morgado, M. Mendes / Lisbon, Portugal

Renal denervation and pulmonary vein isolation in patients with drug resistant hypertension and symptomatic atrial fibrillation
S. Bayramova, D. Losik, A. Strelnikov, E. Pokushalov, A. Romanov, S. Artymenko, A. Turov, N. Shirokova, A. Karaskov / Novosibirsk, Russia
Oral Communications

11.00-13.00
RESULTS OF CRYOBALLOON AND LASER ABLATION OF AF
Chairmen: M. Del Greco / Trento, Italy - J.B. Chierchia / Brussels, Belgium

Characteristics of the left atrium-pulmonary vein reconductions in the clinical recurrences of paroxysmal atrial fibrillation in patients initially treated with the cryoballoon catheter technique
J.M. Paylos, C. Ferrero, J.R. Conesa, M. Rayo, A. Morales, V.G. Tello / Madrid, Spain

Extrapulmonary connections as a potential cause of left-atrium-pulmonary vein reconductions after apparently complete electrical pulmonary veins isolation in patients treated for atrial fibrillation with the cryoballoon technique
J.M. Paylos, C. Ferrero, J.R. Conesa, A. Morales, M. Rayo, M.A. Gómez, V.G. Tello / Madrid, Spain

Technical evolution of cryoballoon pulmonary vein isolation in patients with paroxysmal atrial fibrillation – First experience with the new artific front advance© cryoballoon
S. Hoenig, A. Kypta, T. Lambert, K. Saleh, C. Steinwender / Linz, Austria

Coollop first: a first in an study to test a novel circular cryoablation system in paroxysmal atrial fibrillation
M. Stuehlinger, S. Hoenig, K. Spuller, C. Koman, O. Pachinger, C. Steinwender / Innsbruck, Austria

Adenosine testing after endoscopic ablation system (EAS) pulmonary vein ablation for atrial fibrillation
N. Kumar, Y. Blauw, L. Pison, R. Ter Bekke, K. Vernooy, C. Timmermans, H. Crijns / Maastricht, The Netherlands

Retrospective comparison of the learning curves for PVI between Cardiofocus laser balloon and PVAC
D.Q. Nguyen, L. Lichtenberg, K. Schuettler, W. Fehske / Cologne, Germany

Atrial fibrillation from A to Z

14.00-16.30
VALUE OF AF ABLATION IN DIFFERENT CLINICAL SETTINGS (1)
Chairmen: M. Derval / Bordeaux, France - A. Rossillo / Venice-Mestre, Italy

Coronary heart disease
R.A. Schweikert / Akron, USA

Hypertrophic cardiomypathy
L. Di Biase / New York, USA

Valvular heart disease
A. Verma / Toronto, Canada

LV disfunction / heart failure
T. Wong / London, UK

Patients with pacemaker / ICD
A. Proclemer / Udine, Italy

Atrial fibrillation from A to Z

17.00-19.00
VALUE OF AF ABLATION IN DIFFERENT CLINICAL SETTINGS (2)
Chairmen: A. Bonso / Feltre, Italy - R.A. Schweikert / Akron, USA

Obesity / diabetes / metabolic syndrome
J.D. Burkhardt / Austin, USA

Obstructive sleep apnea
A. Verma / Toronto, Canada

Chronic pulmonary obstructive disease
D. Lakkireddy / Kansas City, USA

Chronic kidney disease / hemodialysis
A. Rossillo / Venice-Mestre, Italy

The elderly
P. China / Venice-Mestre, Italy
Tuesday 29 afternoon - Carnelutti Room

Non-invasive evaluation of arrhythmias

**14.30-16.30**

**NON INVASIVE RISK MARKERS OF ARRHYTHMIC DEATH**

Chairmen: **N.E. El-Sherif** / New York, USA - **M.T. La Rovere** / Montescano, Italy

Electrophysiological basis of risk markers of arrhythmic death  
**N.E. El-Sherif** / New York, USA

Clinical risk markers of arrhythmic death  
**W. Zareba** / Rochester, USA

ECG-derived risk markers of arrhythmic death  
**G. Turitto** / New York, USA

Cardiovascular MRI and risk markers of arrhythmic death  
**M.J. Garcia** / New York, USA

Present and future of genetic marker of arrhythmic death  
**A.A. Wilde** / Amsterdam, The Netherlands

Tuesday 29 afternoon - Cenacolo Room

Oral Communications

**13.00-14.30**

**SURGERY FOR CARDIAC ARRHYTHMIAS**

Chairmen: **A. Revishvili** / Moscow, Russia - **A. Venturini** / Venice-Mestre, Italy

Benefit of ablation of first diagnosed atrial fibrillation in patients submitted to coronary artery bypass grafting  
**A. Strelnikov, S. Bayramova, D. Losik, E. Pokushalov, A. Romanov, A. Chernyavskiy, A. Karaskov** / Novosibirsk, Russia

The hybrid approach for the treatment of atrial fibrillation in PTS with giant left atriums and ischemic or valvular Cardiomyopathy: safe and efficacious  
**S. Gundry, W. Ehrman, H. Bhatka** / Palm Springs, USA

Cardiac resynchronization therapy. Surgically implanted epicardial left ventricular lead compared with coronary sinus lead stimulation  

Long-term results after cardiac resynchronization therapy with or without surgical revascularization in patients with ischemic heart failure and left ventricle dysynchrony  
**D. Losik, A. Strelnikov, S. Bayramova, A. Romanov, E. Pokushalov, A. Chernyavskiy, D. Prokhorova, V. Shabanov, I. Stenin, A. Karaskov** / Novosibirsk, Russia

A comparison of esmolol and dexmedetomidine for attenuation of haemodynamic responses in patients undergoing elective off-pump coronary artery bypass grafting  
**Cardiac Arrhythmias Surgery**

14.30-16.30

CARDIAC ARRHYTHMIAS IN PATIENTS CANDIDATE TO SURGERY: CONTROVERSIAL ISSUES

Chairmen: D. Mangino / Venice-Mestre, Italy - A. Revishvili / Moscow, Russia

Sustained ventricular arrhythmias in ischemic heart disease: surgical revascularization or ICD?
C. Antona / Milan, Italy

Patients with VT and left ventricular aneurysm: what to do?
L. Menicanti / San Donato Milanese, Italy

Moderate mitral valve insufficiency and AF: a good reason to anticipate operation?
J.R. Edgerton / Dallas, USA

Minimal invasive mitral surgery: is it possible a complete surgical ablation?
L. Salvador / Vicenza, Italy

Introduction. Left atrial appendage: surgical technique of closure
D. Mangino / Venice-Mestre, Italy

Patients with AF and contraindications to oral anticoagulation: the role of minimal access surgical closure of the left atrial appendage
J.R. Edgerton / Dallas, USA

**Russian Corner**

17.00-19.00

ABLATION, SURGERY AND HYBRID APPROACHES FOR TREATMENT OF LONG-STANDING PERSISTENT ATRIAL FIBRILLATION

Chairmen: A. Ardashev / Moscow, Russia - A. Revishvili / Moscow, Russia

Role of GP ablation in AF therapy
H. Nakagawa / Oklahoma City, USA

Cryo - RF or “cut and sew” technique for surgical treatment of long-standing AF and concomitant heart disease?
A. Revishvili / Moscow, Russia

Thoracoscopic and hybrid technology for long-standing AF ablation - indications and results
M. La Meir / Maastricht, The Netherlands

Hybrid approach for radical treatment of long-standing persistent AF
A. Curnis / Brescia, Italy

Comparison of the catheter ablation vs. rate-control strategy in patients with long-standing persistent atrial fibrillation: results of six years of follow-up
A. Ardashev / Moscow, Russia

**Syncope 2013 Update**

14.30-16.30

DIAGNOSTIC INVESTIGATION OF SPECIFIC CONDITIONS

Chairmen: L. Aguinaga / Tucumán, Argentina - M. Santini / Rome, Italy

Marked bradycardia in asymptomatic athlete: when should we worry?
D.G. Benditt / Minneapolis, USA

Carotid sinus syndrome: its history, mechanisms and prevalence
R.A. Kenny / Dublin, Ireland

Physiology and clinical manifestations of orthostatic hypotension
A. Gonzalez-Hermosillo / Mexico City, Mexico

The ‘soft’ autonomic dysfunction syndromes (POTS, IST): what are they? Does any treatment work?
B. Olshansky / Iowa City, USA

Case study #3
A. Ungar / Florence, Italy

**Syncope 2013 Update**

17.00-19.00

SYNCOPE: DILEMMAS

Chairmen: M. Brignole / Lavagna, Italy - C.A. Morillo / Hamilton, Canada

Is tilt-table testing dead? Can it predict which vasovagal syncope patients will benefit from pacing?
A. Moya / Barcelona, Spain

The ATP controversy: does ATP really have a role in evaluation of older syncope patients?
A.D. Krahn / Vancouver, Canada

Cardio-neuroablation for vasovagal syncope: placebo effect or effective therapy?
M. Scanavacca / Sao Paulo, Brazil

Syncope in the systolic and the diastolic heart failure patient: iatrogenic and cardiac issues and management
L.W. Stevenson / Boston, USA

Case study #4
D. Hachul / Sao Paulo, Brazil

Closing remarks
D.G. Benditt / Minneapolis, USA - B. Olshansky / Iowa City, USA
**Contemporary and controversial issues in cardiac pacing**

**TECHNOLOGICAL ISSUES**

Chairmen: *E.I. Ovsyshcher* / Beer-Sheva, Israel - *F. Zanon* / Rovigo, Italy

- Automatic features of pacemakers: how important are they?
  - *O. Oseroff* / Buenos Aires, Argentina

- The future of sensors for rate adaptive pacing
  - *A. Oto* / Ankara, Turkey

- Total remote follow-up in pacemekers clinic: pearls and pitfalls
  - *R.P. Ricci* / Rome, Italy

- Leadless pacing: where are we?
  - *L. Padeletti* / Florence, Italy

- Biological pacemakers: will they be the future?
  - *W. Jung* / Villingen, Germany

**CLINICAL ISSUES**

Chairmen: *E. Occhetta* / Novara, Italy - *A.M. Russo* / Cherry Hill, USA

- Pacemaker therapy in vasovagal syncope: when, why and how?
  - *R. Sutton* / Montecarlo, Monaco

- After DANPACE II, should AAI pacing be considered obsolete?
  - *P.E. Bloch-Thomsen* / Hellerup, Denmark

- How important is minimization of RV pacing?
  - *J.C. Daubert* / Rennes, France

- Alternate sites for RV pacing: always or only in selected cases?
  - *E.I. Ovsyshcher* / Beer-Sheva, Israel

- How to use pacemaker logs to manage patients with AF?
  - *G.L. Botto* / Como, Italy

**Brazilian Corner**

14.30-16.30

**EPICARDIAL ACCESS FOR VT ABLATION: HOW IT CAN HELP SOLVING COMPLEX PROBLEMS. AN INTERACTIVE CASE-BASED APPROACH**

Chairmen: *E. Saad* / Rio de Janeiro, Brazil - *M. Scanavacca* / Sao Paulo, Brazil

- Pericardial access - how to get it and avoid complications
  - *K. Shivkumar* / Los Angeles, USA

- Ablation in the pericardial space - how to deal with fat, coronaries, phrenic nerves and lack of blood flow
  - *M. Scanavacca* / Sao Paulo, Brazil

- Unipolar voltage maps to predict epicardial substrates - pearls and pitfalls
  - *D. Callans* / Philadelphia, USA

- Upfront epicardial access for every VT ablation case - risks and benefits
  - *W.G. Stevenson* / Boston, USA

- The future lies in the epicardium - what we can expect and how to get there
  - *P. Jaïs* / Bordeaux, France

**Middle East Corner**

17.00-19.00

**PECULIAR ISSUES IN THE MANAGEMENT OF CARDIAC ARRHYTHMIAS IN MIDDLE EAST**

Chairmen: *A.M. Al Musaad* / Riyadh, KSA - *C. Jazra* / Beirut, Lebanon

- Strength and weakness in implementing atrial fibrillation ablation program in the region
  - *M. Khoury* / Beirut, Lebanon

- Primary indication for ICD: can we reduce the cost/benefit ratio?
  - *M. Shenasa* / San José, USA

- Long term follow-up of implanted devices in the region
  - *R. Sweidan* / Jiddah, KSA
**Tuesday 29 afternoon - Consiglio Room**

**Arrhythmias in the elderly**

14.30-16.30

**PRACTICAL ISSUES: A CASE-BASED APPROACH**

*Chairmen: A.E. Epstein / Philadelphia, USA - W.K. Shen / Phoenix, USA*

**Case 1**

My 86 year-old frail lady with atrial fibrillation. Also has hypertension, diabetes, and creatinine of 2: would you recommend anticoagulation? Which agent? What is the role of LA appendage occlusion?

*C. Jazra / Beirut, Lebanon*

*Discussants: G. Barbato / Bologna, Italy; A.E. Epstein / Philadelphia, USA; T. Lewalter / Munich, Germany; T. Potpara / Belgrade, Serbia*

**Case 2**

My 86 year-old patient with dilated cardiomyopathy, NYHA II, EF 30%. Also has hypertension, COPD, degenerative joint disease, claudication, creatinine 2.5. Referred to you for ICD: what would you recommend?

*S. Nisam / Bierges, Belgium*

*Discussants: G. Boriani / Bologna, Italy; G.L. Botto / Como, Italy; D.S. Cannom / Los Angeles, USA; C. Linde / Stockholm, Sweden*

**Case 3**

My 86 year-old patient with recurrent syncope. Also has hypertension, CAD, stable angina, Parkinson’s, on multiple drugs. Take us through the evaluation

*J.J. Blanc / Brest, France*

*Discussants: M. Brignole / Lavagna, Italy; E. Giada / Noale, Italy; R.S. Sheldon / Calgary, Canada; W.K. Shen / Rochester, USA*

**Case 4**

My 86 year-old patient wants ICD off after repeated shocks. Also has CAD, prior MI, EF 15%, NYHA III, diabetes, sleep apnea; he is pacemaker dependent. What would you recommend?

*L.R. Scott / Phoenix, USA*

*Discussants: J.C. Deharo / Marseille, France; A.M. Gillis / Calgary, Canada; E. Occhetta / Novara, Italy*

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**Oral Communications**

17.00-19.00

**ABLECTION OF DIFFERENT CARDIAC ARRHYTHMIAS**

*Chairmen: M. Tritto / Castellanza, Italy - Y.H. Kim / Seoul, Korea*

- Delayed effect of cryoablation of perinodal tissue
  - G. Katsouras, M. Grimaldi, A. Petruzzellis, F. Quadrini, G. Diaferia, T. Langialonga / Acquaviva delle Fonti, Italy

- Long-term follow-up of catheter ablation of incessant tachycardias

- Evaluation of cavo-tricuspid isthmus anatomy by multi-slice computed tomography in patients with cavo-tricuspid isthmus dependent atrial flutter
  - M. Nakao, S. Kobayashi / Chiba, Japan

- Usefulness of the 3D-anatomical reconstruction of the right atrium in the zero-fluoroscopic approach for the cavotricuspid isthmus catheter ablation
  - M. Alvarez, R. Macias, J. Jimenez, T. Barrio, M. Jimenez, L. Tercedor / Granada, Spain

- A new procedure for a trans-conduit puncture using a snare catheter as the catheter ablation of supraventricular tachycardiac after an extra cardiac fontan operation
  - H. Aoki, Y. Nakamura, T. Takeno, T. Takemura / Osaka, Japan
**Oral Communications**

**13.00-14.30**

**CATHETER ABLATION OF AF: PREDICTORS OF SUCCESS**

*Chairmen: M. Lunati / Milan, Italy - M. Marquez / Mexico City, Mexico*

Exercise capacity test helps in selecting candidates for aggressive sinus rhythm maintenance using catheter ablation in patients with long-persisten atrial fibrillation


Galectin-3 in atrial fibrillation and ablation

M. Gwechenberger, B. Richter, S. Steinher, H. Gössinger / Vienna, Austria

Pulmonary vein isolation in patients with paroxysmal and non-paroxysmal atrial fibrillation: importance of diastolic function grading

T. Pezawas, T. Binder, R. Ristl, B. Schneider, S. Stojkovic, F. Moser, C. Schukro, H. Schmidinger / Vienna, Austria

Pulmonary vein diameter and post radiofrequency ablation atrial fibrillation recurrence: does size matter?


The impact of termination strategies in atrial fibrillation ablation

M. Faustino, T. Agricola, D. Capuzzi, E. Agushi, L. Santarella, C. Pizzi / Bologna, Italy

Prognostic value of programmed atrial stimulation after pulmonary vein isolation with phase radiofrequency

O.C. Grebe, T. Leitsch, E.G. Vester / Duesseldorf, Germany

Acute pulmonary vein reconnections is a predictor of atrial fibrillation recurrence following pulmonary vein isolation

E. Anter, F. Contreras-Valdes, A. Shvilkin, C.M. Tschabrunn, M.E. Josephson / Boston, USA

Assessment of echo and ECG characteristics of pts with acute and late arrhythmia recurrence after radiofrequency catheter ablation of atrial fibrillation

A. Ardasev, E.A. Dolgushina, E.G. Zhelyakov, A.V. Konev, V.N. Ardasev / Moscow, Russia

**14.30-16.30**

**CRT: TECHNIQUES & IMAGING ASPECTS**

*Chairmen: M. Khoury / Beirut, Lebanon - A. Sagone / Milan, Italy*

Impact of different right ventricular lead positions on mortality in patients implanted with permanent pacemakers

C.G. Wollmann, K. Thudt, L. Witzersdorfer, P. Vock, H. Mayr / St. Poelten, Austria

Detrimental effect of apical stimulation in patients with atrial fibrillation and preserved left ventricular ejection fraction

G. Vanerio / Montevideo, Uruguay

Conduction block corrected with para-hisian pacing but haemodynamic response comparable to BIV pacing in patients with HF and LBBB


CRT device implantation using a non fluoroscopic mapping system can reduce the radiation exposure

M. Marini, M. Del Greco, R. Bonmassari, S. Indiani / Trento, Italy

Electrocardiogram-gated single-photon emission computed tomography phase analysis: value in CRT patients


Myocardial scar characterization predicts device therapy in cardiac resynchronization therapy patients. A three-year follow-up


**Tuesday 29 afternoon - Borges Room**

**Oral Communications**

**13.00-14.30**

**CATHETER ABLATION OF AF: PREDICTORS OF SUCCESS**

*Chairmen: M. Lunati / Milan, Italy - M. Marquez / Mexico City, Mexico*

Exercise capacity test helps in selecting candidates for aggressive sinus rhythm maintenance using catheter ablation in patients with long-persisten atrial fibrillation


Galectin-3 in atrial fibrillation and ablation

M. Gwechenberger, B. Richter, S. Steinher, H. Gössinger / Vienna, Austria

Pulmonary vein isolation in patients with paroxysmal and non-paroxysmal atrial fibrillation: importance of diastolic function grading

T. Pezawas, T. Binder, R. Ristl, B. Schneider, S. Stojkovic, F. Moser, C. Schukro, H. Schmidinger / Vienna, Austria

Pulmonary vein diameter and post radiofrequency ablation atrial fibrillation recurrence: does size matter?


The impact of termination strategies in atrial fibrillation ablation

M. Faustino, T. Agricola, D. Capuzzi, E. Agushi, L. Santarella, C. Pizzi / Bologna, Italy

Prognostic value of programmed atrial stimulation after pulmonary vein isolation with phase radiofrequency

O.C. Grebe, T. Leitsch, E.G. Vester / Duesseldorf, Germany

Acute pulmonary vein reconnections is a predictor of atrial fibrillation recurrence following pulmonary vein isolation

E. Anter, F. Contreras-Valdes, A. Shvilkin, C.M. Tschabrunn, M.E. Josephson / Boston, USA

Assessment of echo and ECG characteristics of pts with acute and late arrhythmia recurrence after radiofrequency catheter ablation of atrial fibrillation

A. Ardasev, E.A. Dolgushina, E.G. Zhelyakov, A.V. Konev, V.N. Ardasev / Moscow, Russia

**14.30-16.30**

**CRT: TECHNIQUES & IMAGING ASPECTS**

*Chairmen: M. Khoury / Beirut, Lebanon - A. Sagone / Milan, Italy*

Impact of different right ventricular lead positions on mortality in patients implanted with permanent pacemakers

C.G. Wollmann, K. Thudt, L. Witzersdorfer, P. Vock, H. Mayr / St. Poelten, Austria

Detrimental effect of apical stimulation in patients with atrial fibrillation and preserved left ventricular ejection fraction

G. Vanerio / Montevideo, Uruguay

Conduction block corrected with para-hisian pacing but haemodynamic response comparable to BIV pacing in patients with HF and LBBB


CRT device implantation using a non fluoroscopic mapping system can reduce the radiation exposure

M. Marini, M. Del Greco, R. Bonmassari, S. Indiani / Trento, Italy

Electrocardiogram-gated single-photon emission computed tomography phase analysis: value in CRT patients

A. Magalhães, A. Veiga, M. Cantelho, A. Ramalho, H. Pena, N. Cortez-Dias, J. Sousa / Lisbon, Portugal

Myocardial scar characterization predicts device therapy in cardiac resynchronization therapy patients. A three-year follow-up

### Oral Communications - Borges Room

**Tuesday 29 afternoon**

**17.00-19.00**

**CRT: LONG-TERM OUTCOME**

Chairmen: S. Kara / Oran, Algeria - R. Verlato / Camposampiero, Italy

Usefulness of bi-ventricular pacing study for chronic heart failure patient with narrow QRS duration before cardiac resynchronization therapy

Y. Nagata, T. Mayumi, T. Harada, M. Kinoshita, I. Aburadani, M. Hirazawa, M. Maruyama, K. Usuda / Toyama, Japan

Cardiac resynchronization therapy – pacemakers in heart failure patients with left bundle branch block and left ventricular ejection fraction 36-50%: the design of the MIRACLE Study


Connection of QRS width with survival in patients after CRT by left ventricular lead placement via lateral thoracotomy – 3 years follow-up

B. Malecka, A. Zabek, J. Lelakowski, A. Kutarski, R. Pfitzner / Krakow, Poland

Detection of adverse timing in cardiac resynchronization

B. Ismer, J. Härtig, M. Heinke, J. Hörth, J. Melichercik / Offenburg, Germany

Clinical and anatomic aspects of CRT benefit in CHF patients. Our experience

R.S. Latypov, O.V. Sapelnikov, Yu.V. Mareev, A.S. Partigulova, I.R. Grishin, V.N. Shitov, M.A. Saidova, R.S. Akchurin / Moscow, Russia

Patients survival and device longevity in patients after CRT implantation

M. Gwechenberger, A. Hammer, M. Huelsmann, R. Pacher, C. Adlbrecht, H. Schmiderig, G. Stix / Vienna, Austria

Outcome of patients with cardiac resynchronization therapy. Comparison between elderly and adult patients


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### Oral Communications - Soffitto Room

**Tuesday 29 afternoon**

**13.00-14.30**

**CATHETER ABLATION OF AF: LONG-TERM RESULTS (OUTCOME)**

Chairmen: L. Di Biase / New York, USA - L. Scaglione / Asti, Italy

Elimination of dormant pulmonary vein conduction revealed by adenosine after their initial isolation: randomizes 3-year follow-up study


Atrial fibrillation ablation: does recurrence compromise symptomatic improvement?

F. Moscoso Costa, D. Cavaco, H. Dores, P. Santos, P. Carmo, G. Cardoso, S. Carvalho, F. Morgado, P. Adragão / Lisbon, Portugal

Atrial fibrillation ablation. Our first results

O.V. Sapelnikov, P.V. Mezentsev, A.S. Partigulova, I.R. Grishin, R.S Latypov, S.V. Chapynikh, R.S Akchurin / Moscow, Russia

Free of antiarrhythmic drugs before and after ablation of atrial fibrillation. Is it really possible?

A.S. Partigulova, A.V. Chapynikh, O.V. Sapelnikov, P.V. Mezentsev, I.R. Grishin, A.B. Toporinskiy, D.I. Cherkashin, M.A. Magomedov, R.S. Latypov, R.S. Akchurin / Moscow, Russia

Long-term follow-up of recurrences after the first ablation of atrial fibrillation

E.B. Kropotkin, E.A. Ivanitskiy, A.P. Tsaregorodtsev, D.A. Shluakov, D.B. Drobut, V.A. Sakovich / Krasnoyarsk, Russia

Long-term outcomes of remote magnetic catheter navigation for ablation of atrial fibrillation: a case control study

E. Koutalas, L. Bertagnolli, P. Sommer, S. Rolf, A. Bollmann, G. Hindricks, A. Arya / Leipzig, Germany

Ablation of paroxysmal and persistent atrial fibrillation: long-term recurrence rates via continuous subcutaneous monitoring

S.Bayramova, D. Losik, A. Strelnikov, A. Romanov, E. Pokushalov, S. Artymenko, N. Shirokova, A. Karaskov, S. Mittal, J.S. Steinberg / Novosibirsk, Russia

Does AF burden measured by implantable loop recorder during post-ablation blanking period predict response at 12 month follow-up?

D. Losik, A. Strelnikov, S. Bayramov, E. Pokushalov, A. Romanov, S. Artymenko, A. Turov, N. Shirokova, A. Karaskov / Novosibirsk, Russia
**Oral Communications**

**14.30-16.30**

**TRANSVENOUS LEAD EXTRACTION**

**Chairmen:** P.G. Golzio / Turin, Italy - T. Blum / Bad Krozingen, Germany

Lead dependent infective endocarditis – In whom and when? Predisposing factors
A. Polewczyk, A. Kutarski, A. Tomaszewski, K. Boczar, M. Janion / Kielce, Poland

Optimal treatment strategy choice in patients with large right heart vegetations
A. Polewczyk, A. Kutarski, A. Tomaszewski, K. Boczar, M. Janion / Kielce, Poland

Residual tissue after transvenous pacemaker/ICD transvenous leads extraction
A. Tomaszewski, A. Kutarski, M. Poterala, M. Tomaszewski, W. Brzozowski / Lublin, Poland

Severe superior cava vein stenosis in patients referred for transvenous lead extraction
A. Kutarski, M. Czajkowski, M. Polewczyk, R. Pietura / Lublin, Poland

Transvenous lead extraction. Using conventional mechanical systems. Experience with extraction of 2197 permanently implanted leads in 1295 pts
A. Kutarski, M. Czajkowski, R. Pietura, K. Boczar, M. Polewczyk / Lublin, Poland

Transvenous lead extraction in octogenarians. Safety and effectiveness
A. Kutarski, K. Boczar, A. Zabek, M. Polewczyk / Lublin, Poland

Transvenous lead extraction in young patients. Specificity and disparateness
A. Kutarski, K. Bieganowska, A. Zabek, A. Polewczyk / Lublin, Poland

**17.00-19.00**

**CRT: CLINICAL ASPECTS & OPTIMIZATION**

**Chairmen:** M. Piacenti / Pisa, Italy - M. Taborsky / Olomouc, Czech Republic

Gender difference in presentation, management and survival of patients with heart failure
D. Giedrimiene, F. Zaeem, J. Radojevic, J. Gluck, D. Wencker / Hartford, USA

Pulmonary vascular resistance in patients with severe left ventricular dysfunction
T. Minarik, M. Fedorco, M. Taborsky / Olomouc, Czech Republic

Triple-site biventricular pacing: a new approach for cardiac resynchronization therapy?
A. Magalhães, P. Marques, A. Bernardes, D. Silva, P. Carrilho-Ferreira, A. Nunes Diogo, J. Sousa / Lisbon, Portugal

Feasibility of a new generation quadripolar LV lead – First Italian single centre experience
D. Ricciardi, V. Calabrese, L. Ragni, D. Greico, G. Di Giovanni, F. Marullo, G. Di Sciascio / Rome, Italy

Optimisation of cardiac resynchronization therapy in clinical practice during exercise
M.M.D. Molenaar, B. Oude Véthuis, M.F. Scholten, Y.J. Stevenhagen, W.A. Wesselinck, J.M. van Opstal / Enschede, The Netherlands

Determination of the longest intra-patient left ventricular electrical delay may predict acute hemodynamic improvement in cardiac resynchronization therapy patients
F. Zanon, E. Baracca, G. Pastore, C. Fracarro, L. Roncon, S. Aggio, A. Mazza, F. Prinzen / Rovigo, Italy

New onset of phrenic nerve stimulation during left ventricular pacing at mid-term follow-up: a multicentre clinical experience
**Poster Session 3**

Presenters must be on-site to answer questions at the below scheduled times:
10.30-11.00 16.30-17.00

**CRT: TECHNIQUES & IMAGING ASPECTS**

3.1 Expression of genes after right ventricular apical pacing
E. Arkolaki, E. Simantirakis, I. Kontaraki, S. Chrysostomakis, A.P. Patrianakos, P.E. Vardas / Heraklion, Greece

3.2 The influence of right ventricular apex (RVA) pacing on left ventricular ejection fraction is minimal
T. Sakai, T. Muramatsu, R. Tsukahara / Kanagawa, Japan

3.3 Atrial lead location plays an important role to avoid unnecessary ventricular pacing during both atrial pacing and atrial sensing
C. Suga, Y. Sugawara, T. Hayashi, T. Mitsuhashi, S. Momomura / Saitama, Japan

3.4 Effect of right ventricular pacing from alternate sites for left ventricular function
A. Baimbetov, S. Ivanova, N. Kosybayeva, D. Marat, T. Moldabekov, T. Eskaraev, B. Iskakova / Astana, Kazakhstan

3.5 Two years experience of a dose-reduction oral anticoagulant therapy program in patients with cardiac stimulation devices

3.6 Early physical activation of patients and early postprocedural complications after pacemaker implantations
R. Marchenko, S. Durmanov, V. Bazilev / Penza, Russia

3.7 Cardiac pacing in a transplanted heart: special features and 2-year follow-up
O.V. Sapelnikov, M.A. Sagirov, V.V. Sokolov, I.R. Grishin, A.S. Partigulova, D.I. Cherkashin, R.S. Latypov, A.Sh. Khubutia, R.S. Akchurin / Moscow, Russia

3.8 Placing right ventricular lead into the thinner part part of interventricular septum tends to shorten paced QRS duration
V. Dmytro, L. Dmytro / Kharkov, Ukraine

**CRT: CLINICAL ASPECTS & OPTIMIZATION**

3.9 Pediatric resynchronization after heart transplant with transvenous dual chamber pacemaker using isolated left ventricular pacing via a coronary vein

3.10 Optimization of clinical response to cardiac resynchronization therapy using noninvasive electrocardiographic imaging and echocardiography
T. Dzhordzhikia, A. Revishvili, O. Sopov, E. Labartkava, S. Matskepilshvili, V. Kalinin / Moscow, Russia

3.11 Ventricular desynchronization pattern in right apical pacing or left bundle branch block
G. Neri, G. Masaro, S. Vittadello, D. Vaccari, L. Leoni, B. Bause, G. Buja, A. Barbetta, F. Di Gregorio / Montebelluna, Italy

3.12 Relationship between paced QRS duration and underlying conduction disturbances in patients with normal heart function

3.13 NT-proBNP: additional value in CRT patients?
A. Magalhães, N. Cortez-Dias, D. Silva, C. Jorge, P. Carrilho-Ferreira, A. Bernardes, C. Coelho, P. Marques, J. Sousa / Lisbon, Portugal

3.14 Novel non-invasive mapping reveals variable electrical synchrony during multipolar pacing – Potential new tool for vector optimization
J. Sperzel, S. Lehinant, M. Jung, M. Kuniss, S. Zaltsberg, T. Neumann / Bad Nauheim, Germany

3.15 Atrial fibrillation in heart failure patients with CRT: do we induce the arrhythmia with short AV or long VV delays?
V. Puetz, I. Seifert, D. Schmitz, C. Naber, O. Bruder / Essen, Germany

3.16 Does the quickopt algorithm provide feasible results for AV and VV delays?
V. Puetz, I. Seifert, D. Schmitz, C. Naber, O. Bruder / Essen, Germany
### Tuesday 29 - Poster Area

#### CRT: LONG-TERM OUTCOME

**3.17** Outcome of cardiac resynchronization therapy in patients with chronic heart failure  
A. Baimbetov, B. Iskakova, S. Ivanova, D. Marat, T. Moldabekov, S. Borovsky, V. Open’ko / Astana, Kazakhstan

**3.18** Chagas disease and cardiac resynchronization therapy. Results and predictors in 82 pp during two years of follow-up  
B. Papelbaum, J.R. Castro Dортicos, S. Dos Santos Galvao Filho, J.P. Velasco Pucci, J.T. Medeiros De Vasconcelos, R. Cardoso Jung Batista, C.S. Duarte, L. Laite, R. Marrero, C.K. Lins / Sao Paulo, Brazil

**3.19** Survival of patients with CRT-D compared to survival with ICD  
M. Kerekanić, M. Hudák, E. Komanová, P. Olexa, J. Sedlák, S. Misíková, A. Bohó, B. Stančák / Kosice, Slovakia

#### ABLATION OF DIFFERENT CARDIAC ARRHYTHMIAS

**3.20** Location of Accessory Pathway Affects Brain Natriuretic Peptide Levels in the Patients with Wolff-Parkinson-White Syndrome  

**3.21** Catheter ablation of atrioventricular nodal reentrant tachycardia with targeting lower region of his potential recording area  
M. Fujimoto, T. Ikeda, M. Kiyama, K. Okeie / Toyama, Japan

**3.22** Near zero fluoroscopic exposure during catheter ablation of supraventricular arrhythmias: multicenter randomized no-party trial preliminary results  

**3.23** The Impact of Lower Voltage Area and Gross Area of Left Atrium on the Prognosis after Electrophysiological Characteristics In atrio-ventricular Nodal Reentrant Tachycardia With Continuous Atrio-ventricular Node Function Curve.  

**3.24** Tetra loop pulmonary vein related postablation atrial flutter  
E. Lyan, G. Gromyko, S. Yashin / Saint-Petersburg, Russia

**3.25** Comparative analysis of atrial flutter ablation results in elderly patients  
J.L. Martínez-Sande, S. Raposeiras-Roubin, J. García-Seare, P. Cabanas Grandío, X.A. Fernández López, M. Rodríguez-Mañero, S. Gestal Román, E. Pereira López, J.R. González-Juanatey / Santiago de Compostela, Spain

**3.26** Impact of radiofrequency catheter ablation of frequent ventricular premature beats for renal function  

**3.27** 6-month follow-up after ablations for idiopathic ventricular extrasystole/tachycardia performed with conventional method: a single-centre experience  

**3.28** Safety and efficacy outcome of a single-centre ventricular tachycardia 24/7 ablation program  
L. Teischinger, C.A. Plass, H. Mayr, B. Frey / St. Poelten, Austria

**3.29** Comparison of clinical success of catheter ablation of atrial flutter with 3D models of left atrium obtained from CT scans and 3D cardiac rotational angiography  
F. Lehar, Z. Stárek, J. Jež, J. Wolf, T. Kulík, A. Žbánková, M. Lukášová / Brno, Czech Republic

**3.30** Rotational angiography of left ventricle as a support in ventricular tachycardia ablation – our first experiences  
J. Wolf, Z. Stárek, F. Lehar, J. Jež, T. Kulík / Brno, Czech Republic

**3.31** Our results in patients who had catheter ablation from the aortic cusps  
A. Tokatli, F. Kilicaslan, M. Uzun, B.S. Cebeci / Kocaeli, Turkey

**3.32** Bi-directional ventricular tachycardia status post ablation at anterior and posterior papillary muscles  
J. Liao, Y.J. Lin, S.A. Chen / Taipei, Taiwan

**3.33** Unusual forms of junctional ectopic tachycardia  
G. Rondia, M. Massin, H. Dessy / Brussels, Belgium

**3.34** Complex electrophysiology intervention in a patient with an inferior vena cava filter: case report  
Z. Starek, J. Jež, F. Lehar, J. Wolf / Brno, Czech Republic
3.35 Usefulness of the multipolar basket catheter for radiofrequency catheter ablation of accessory pathways in Ebstein’s anomaly: a case report

CARDIAC ARRHYTHMIAS: PEDIATRIC AND MISCELLANEOUS ISSUES

3.36 Evaluation of long term follow up exercise capacity in young patients after correction of tetralogy of Fallot and after atrial switch (Senning operation) of transposition of great arteries
B.J. Pietrucha, A.Z. Pietrucha, A. Sulik, A. Rudziński / Cracow, Poland

3.37 Challenging Right sub-muscular pacemaker implantation in a young patient with postoperative atrio-ventricular block
D. Ricciardi, V. Calabrese, L. Ragni, F. Gioia, G. Di Gioia, T. Pallara, D. Grieco, G. Di Sciascio, P. Persichetti / Rome, Italy

3.38 A single center long-term follow-up experience of pediatric pacemaker population

3.39 Evaluation of the hypoglycaemic effects on the sympathetic activity in type-2 diabetes patients
T. Kajiyama, M. Ueda, M. Ishimura, N. Hashiguchi, Y. Kondo, T. Kanaeda, M. Nakano, Y. Hiranuma, Y. Yanagisawa, T. Saito, Y. Kobayashi / Chiba, Japan

3.40 Incidence of cardiac arrhythmias in patients in the coronary care unit today
E. Arkolaki, E. Simantirakis, P. Aravogliadis, S. Petousis, P. Vardas / Heraklion, Greece

3.41 Personal and professional profile of electrophysiologists women in Brazil
E. Olivier Vilela Bragança, C.M. Boya Barcellos, E. Maria Marques Oliveira, L.R. Xavier, T.A. do Nascimento, K. do N. Couceiro / São José dos Campos, Brazil

3.42 Antiarrhythmogenic Effect of Omacor after a Non-Q-Wave Myocardial Infarction
A. Ardashev, E. Zhelyakov, O. Kuzovlev / Moscow, Russia

3.43 Reel syndrome in a patient with alcoholic liver disease
E. Fanchiotti, G. Provenza, S. Semenella, P. Innelli, G. Romaso, E. dell’Aquila, R. Lo Piccolo, F. Marra, A. Mazzeo-Cicchetti / Marsicovetere, Italy

3.44 Takotsubo Cardiomyopathy after permanent pacemaker replacement
R. Marchenko, S. Durmanov, V. Bazilev / Penza, Russia

3.45 Takotsubo syndrome after vertebral arthrodesys for cyphoscolios of the adult
M. Avella / Bologna, Italy

3.46 Ivabradine in chronic diastolic heart failure
E. Arkolaki, E. Simantirakis, A. Patrianakos, E. Nakou, P. Parthenakis, P. Vardas / Heraklion, Greece

3.47 Arrhythmic nightmare after nimesulide oral load a case report, ten years after
M. Costantini, C. Fachechi, G. De Jaco, A. Albanese / Lecce, Italy
Allied Professionals Corners
Allied Professionals Program

8.30-10.30
Opening Remarks:
S. Damiani / Venice-Mestre, Italy - B. Thomas / Austin, USA

INSIGHTS INTO THE MANAGEMENT OF COMPLEX ARRHYTHMIAS IN THE EP LAB

Chairmen: S. Damiani / Venice-Mestre, Italy - B. Thomas / Austin, USA
Mapping and ablation of PVC (case study)
M. Brown / Austin, USA
How to monitor a patient during AF ablation
G.M. Francese / Catania, Italy
The allied professional role during epicardial ablation
C. Monreal / Austin, USA
Conscious sedation, deep sedation or general anesthesia during ablation: advantages & disadvantages
L. Cappellesso / Venice-Mestre, Italy
Management of acute complications in the EP lab
A. De Conto / Conegliano Veneto, Italy

10.45-12.45
HOT TOPICS IN 2013

Chairmen: S. Beheiry / San Francisco, USA - L. Morichelli / Rome, Italy
Oral anticoagulation therapy: a new paradigm
A. Ferrick / New York, USA
Emerging technologies in the EP lab
P. China / Venice-Mestre, Italy
Improving the patient experience pre and post EP procedure
M. Lane / Austin, USA
Optimal programming of ICD for shock reduction
K. Zedlitz / Austin, USA
CRT therapy: what's new?
J. Copeland / Akron, USA

Sunday 27 afternoon - Consiglio Room

Allied Professionals Program

14.00-16.00
ATRIAL FIBRILLATION TODAY

Chairmen: L. Plebani / Novara, Italy - K. Zedlitz / Austin, USA
Selecting the appropriate patients for AF ablation
S. Lovison / Venice-Mestre, Italy
Intracardiac electrograms: what are the doctors looking at when they do AF ablations?
C. Cronin / Austin, USA
How to improve patient results of RF ablation in long-standing persistent AF
P. Santangeli / Philadelphia, USA
Post-ablation monitoring for success: what type and how much is enough?
C. Teckenbrock / Austin, USA
AF Consensus Document
S. Beheiry / San Francisco, USA
Closing Remarks:
A. Natale / Austin, USA - A. Raviele / Venice-Mestre, Italy
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**Sponsors and Exhibitors List**

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AIAC (Italian Association of Arrhythmology and Cardiac Pacing) is an organization of physicians, scientists and allied professionals throughout the Italian country dedicated to the study and management of cardiac arrhythmias. The mission of the Association is to improve the care of patients by promoting research, education and training for arrhythmias management, providing leadership toward optimal healthcare policies and standards. The Association counts more than 900 members and a board of twelve trustees is elected by the members at the biennial meeting of the Association. The Executive Committee is represented by the President, one Vice-President, a Treasurer and a Secretary. Since 2006 the new president is nominated in advance (elected president).

The present Board members are: Padeletti (President), Botto (Elected-President), Ammirati (Vicepresident), Zecchin (Secretary), Sassone (Treasurer), Musolino (Coordinator of Regional Presidents), Calvi, D’Onofrio, De Ponti, Golzio, Pisanò, Puntrello, the past president (Bongiorni) and the Editorial Director (Lunati).

AIAC has several Committees, Task Forces and Registries, which have the task to design the scientific and education strategy of the Society (see the website for more details).

AIAC has a website (www.aiac.it) which can be visited without any charge. Furthermore, AIAC has an intense research activity, organizing multicentric trials on various topics in the field of cardiac pacing and arrhythmias.

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ADVANCES IN CARDIAC ELECTROPHYSIOLOGY
Rome, November 20 – 22, 2013
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Table C - White Exhibition Room

The 5th ADVANCES IN CARDIAC ELECTROPHYSIOLOGY - will be held in Rome, Italy on November 21 - 22, 2013. It will be held under the auspices of the most important International Scientific Societies and it will attract over 1,500 attendees. The Scientific program is developed within 2 days in 14 concurrent meeting rooms and focuses on the following central topics: Atrial Fibrillation, Electrophysiology, Heart Failure and Cardiac Resynchronization Therapy, Pacemakers and ICDs, Sport and Arrhythmology, Surgical Approach to Cardiac Arrhythmias, Genetic, Economic Issues, Emergency, Telemedicine and Imaging. For more information on the scientific program and online registrations, please visit www.ace-web.org.
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Table A - Capriate Exhibition Room

Claber: great solutions to daily needs.

COOK MEDICAL
O'Halloran Road – National Technology Park
Limerick, Ireland
E-mail: david.pearce@cookmedical.com
Website: www.cookmedical.com
Booth 3 - Capriate Exhibition Room

COOK MEDICAL INCORPORATED, a leading medical device manufacturer, is the industry pioneering leader in Lead Extraction devices designed for both the superior and femoral approaches. The recently launched ADVANCED PLATFORM devices for Lead Extraction include: the ONE-TIE™ Compression Coil, Evolution® RL and Evolution® Shortie RL Controlled-Rotation Dilator Sheath Sets, and the Evolution® SteadySheath™ Tissue Stabilization Sheath. Come visit and learn about the many ways that Cook Medical is making lead extraction procedures less complicated for you and for your institution or visit us online at our website.
Sponsors and Exhibitors List

DAIICHI SANKYO ITALIA SPA
Via Paolo di Dono, 73
00142 Rome, Italy
Tel: + 39 06 852551
Fax: + 39 06 85255233
E-mail: info@daichy-sankyo.it
Website: www.daichy-sankyo.it

Daiichi Sankyo is a global pharmaceutical company with its corporate origin in Japan. We provide innovative products and services in more than 50 countries around the world. With more than 100 years of scientific expertise, our company draws upon a rich legacy of innovation and medical advancements. Building on our experience in hypertension, antiplatelet and anticoagulation therapies, we are excited to be expanding into other important areas such as oncology, where significant unmet medical needs remain. Today, with our growing presence in developing and emerging markets, we are pleased to serve the needs of patients throughout the world.

ECAS (EUROPEAN CARDIAC ARRHYTHMIA SOCIETY)
2 Place Delibes
13008 Marseille, France
Tel: + 33 4 8350472
Fax: + 33 4 375269
E-mail: riccardo.cappato@grupposandonato.it
Website: www.ecas-congress.org
Table D – White Exhibition Area

ECAS is a non-profit organization of cardiologists registered in 2004 which has as its purpose to promote excellence in the care of patients with cardiac rhythm disorders (arrhythmia), by fostering continuing education, training, research and the design, performance, and interpretation of trials aiming at improvement of therapies for arrhythmia management; providing leadership toward optimal healthcare policies and standards; supporting applied and clinical research; communication with the medical community and health care authorities; and the organization of symposia, meetings and workshops. It holds an annual congress since 2005.

Sponsors and Exhibitors List

FIAB SPA
Via P. Costoli, 4
50039 Vicchio, Italy
Tel: + 39 055 8497984
Fax: + 39 055 8497979
E-mail: donatella.nicolodi@fiab.it
Website: www.fiab.it
Table B - Capriate Exhibition Room

FIAB SpA is an Italian Company manufacturing and marketing worldwide devices and accessories for temporary cardiac pacing and electrophysiology. Leader manufacturer of esophageal cardiac stimulation devices, FIAB has developed and patented the system Esotest for the esophageal temperature monitoring during AF ablation procedures.

IATROTEK S.R.L.
Via Don Martino Durighello, 32
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Tel: + 39 041 5145203
Fax: + 39 041 460034
E-mail: info@iatrotek.com
Website: www.iatrotek.com

Regional italian north/east distributor for cardiovascular devices.

IMPULSE DYNAMICS
Breitwiesenstr. 19
70565 Stuttgart, Germany
Tel: + 49 711220456 20
E-mail: info@impulse-dynamics.com
Website: www.impulse-dynamics.com

Impulse Dynamics is focused on the development of electrical therapies for the treatment of chronic heart failure. Its proprietary technology is based on a unique scientific discovery concerning electrical control of heart muscle tissue: the application of nonexcitatory electrical signals delivered to the heart can modify its properties (e.g., the force of a cardiac muscle contraction) in a predictable and reproducible manner.
Sponsors and Exhibitors List

**MEDTRONIC, INC**
710 Medtronic Parkway
55432 Minneapolis, MN
Tel: + 1 (763) 514-4000
E-mail: cynthia.walker@medtronic.com
Website: www.medtronic.com

At Medtronic, we’re committed to Innovating for Life by pushing the boundaries of medical technology and actually changing the way the world treats chronic disease. Medtronic is the world’s largest medical technology company, offering an unprecedented breadth and depth of innovative therapies to fulfill our Mission of alleviating pain, restoring health, and extending life. Last year, more than 9 million people benefited from our medical therapies, which treat cardiac and vascular diseases, diabetes, and neurological and musculoskeletal conditions. With a global reach that extends to more than 140 countries, we have a deep understanding of many universal healthcare challenges. We’re using our experience, extensive partnerships, and the passion of 46,000+ employees to help transform healthcare worldwide by improving outcomes, expanding access, and enhancing value.

**MICROLIFE CORPORATION**
Espenstrasse 139
9443 Widnau, Switzerland
Tel: + 41 71 727 70 41
Fax: + 41 71 727 70 39
E-mail: marc.lang@microlife.ch
Website: http://www.microlife.com
Booth 2 - Capriate Exhibition Room

Microlife is the world leader in the development and manufacturing of medical diagnostic equipment for institutional and home use. Hypertension, fever and respiratory management are Microlife’s core businesses.

Sponsors and Exhibitors List

**MEDICAL INSTRUMENTS SPA**
Via Salarolo, 2B
40068 Bologna, Italy
Tel: + 39 051 6271111
Fax: + 39 051 6271142
E-mail: giorgia@medicalinstruments.it
Website: www.medicalinstruments.it

Active since 1972 in the medical device industry, Medical Instruments Spa is a dynamic growing company specializing in the fields of cardiac surgery, vascular surgery, interventional radiology and haemodynamics.

**MEDICO SPA**
Via Pitagora, 15
35030 Rubano (PD), Italy
Tel: + 39 049 8976755
E-mail: info@medicoweb.com
Website: www.medicoweb.com
Cloister Exhibition Room

This year MEDICO SPA celebrates its long history of commitment to the advancement of cardiac pacing: “40 years for the heart with the heart”. MEDICO SPA has been investigating and developing new cardiac stimulation solutions with the aim of ensuring top technology pacing devices to physicians and patients. The corporate philosophy is founded on the principles of Quality, Safety and Innovation with the ambition to supply every physician with suitable tools to optimize pacing therapy in each single patient and to ensure a better quality of life. Come to visit us at our booth, it will be our pleasure to show you in detail our innovations.
Sanofi, an integrated global healthcare leader, discovers, develops and distributes therapeutic solutions focused on patients' needs and through seven growth platforms: diabetes solutions, human vaccines, innovative drugs, consumer healthcare, emerging markets, animal health and the new Genzyme. In Italy, it is leader in the industrial pharmaceutical sector nationwide, with about 2,500 employees, over 1,300 of whom work in the five plants located in Origgio (VA), Garessio (CN), Anagni (FR), Scoppito (AQ) and Brindisi, that produce drugs delivered to international markets in the 5 continents, and a Merial plant, specialized in products for animal health, located in Noventa (PD). Its R&D in Italy consists in a Clinical Research Unit, located in Milan and in the five multidisciplinary laboratories of Brindisi plant specialized in biotechnological research in the field of antibiotics. Its portfolio covers ethical medicines, OTC products, innovative drugs, generic equivalent medicines with Zentiva, rare genetic diseases with Genzyme, and animal health with Merial.

SEDA S.P.A
Via Tolstoi, 7
20090 Trezzano sul Naviglio (MI), Italy
Tel: + 39 02 484241
Fax: + 39 02 48424290
E-mail: sd@sedaspa.it
Website: www.sedaspa.it

Booth 10 - Capriate Exhibition Room

Built in 1973, SEDA, in more than 35 years, is leading the research of innovative products. Our goal is to satisfy clinical needs and improving patients care, through the research of the most technologically advanced health care products. This, in various ways, has helped the medical class to evaluate the advantages and opportunities for use. Our strength is PREPARATION, QUALITY, DEVELOPMENT AND INNOVATION with our long multidisciplinary experience with physicians and scientific communities and our specific focus on continuous innovation.
Sponsors and Exhibitors List

Sorin Group (www.sorin.com), is a global medical device company and a leader in the treatment of cardiovascular diseases. The Company develops, manufactures and markets medical technologies for cardiac surgery and for the treatment of cardiac rhythm disorders. With 3,750 employees worldwide, the Company focuses on two major therapeutic areas: Cardiac Surgery (cardiopulmonary products for open heart surgery and heart valve repair or replacement products) and Cardiac Rhythm Management (pacemakers, defibrillators, cardiac resynchronization devices). Every year, over one million patients are treated with Sorin Group devices in more than 80 countries.

St. Jude Medical is dedicated to transforming the treatment of some of the world’s most expensive epidemic diseases. The company does this by developing cost-effective medical technologies and services that save and improve lives. Headquartered in St. Paul, Minn., St. Jude Medical employs approximately 16,000 people worldwide and has four major clinical focus areas that include cardiac rhythm management, atrial fibrillation, cardiovascular and neuromodulation. The St. Jude Medical product portfolio includes implantable cardioverter defibrillators (ICDs), cardiac resynchronization therapy (CRT) devices, pacemakers, remote monitoring systems, mapping and visualization systems, surgical and catheter-based ablation devices, vascular closure devices, structural heart products, spinal cord stimulation, peripheral nerve stimulation and deep brain stimulation devices. At St. Jude Medical, we believe that investing in purposeful innovation is instrumental to our success. We are uniquely positioned for long-term growth driven by our vision to address epidemic diseases with solutions that reduce the economic burden on health care systems worldwide. In a collaborative culture of invention and innovation, we seek to produce devices that are of the highest quality, benefit the people who depend on them, and function safely and properly in order to provide needed therapy and peace of mind.

Sponsors and Exhibitors List

Wisepress are Europe’s principal conference bookseller. We exhibit the leading books, sample journals and digital content relevant to this meeting. Books may be purchased at the booth, and we offer a postal service. Visit our online bookshop for special offers and follow us on Twitter for the latest news @WisepressBooks.

2015 World Congress of Arrhythmias will be held from the 17th to 21st of September in Beijing, China. Founded in 1979 as the International Cardiac Pacing and Electrophysiology Society (ICPES), and recently becoming the World Society of Arrhythmias in order to better express our global interest, we have been dedicated to connecting the world of arrhythmias, by promoting education all over the globe, and by coordinating the activities of other scientific societies devoted to cardiac pacing and electrophysiology. For decades, we have stood for top international exchanges and training in these areas.
ZOLL Medical Corporation, an Asahi Kasei Group company, provides medical devices and software solutions that help advance emergency care and save lives. With products for defibrillation and monitoring, circulation and CPR feedback, data management, fluid resuscitation, and therapeutic temperature management, ZOLL is focused on resuscitation and critical care. The LifeVest Wearable Defibrillator protects following recent MI or revascularization, and for those with cardiomyopathy or congestive heart failure. The LifeVest continuously monitors the patient’s heart, and if a life-threatening heart rhythm is detected, delivers a treatment shock to restore normal heart rhythm.
Congress Venue & Exhibition Floor Plan
Fondazione Giorgio Cini

Congress Venue Plan

Ground Floor Plan
CAPRIATE

ENTRANCE
REGISTRATION DESK
INTERNET POINT

1  Wisepress
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Ground Floor Plan
WHITE ROOM

ENTRANCE

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