

## **ADVANCE PROGRAM**

(February 07, 2012)

### **FRIDAY APRIL 20, 2012**

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

**ROOM FURSTENSALON**

#### **WORKSHOP-WS-01**

### **Multidimensional Integrated Mapping and Imaging for Guiding Ablation of Ventricular Tachycardia**

Chairpersons: Douglas L. Packer (Rochester, USA), Wyn Davies (London, GB)

- 1. Making the best of Electroanatomic Mapping: NAVX vs CARTO 3 for Identifying the Source of Ventricular Tachycardia**  
David Wilber (Chicago, USA)
- 2. Advanced CT and MR Imaging for Substrate Characterization: Understanding Underlying Tissue Abnormalities**  
Timm-Michael Dickfeld (Baltimore, USA)
- 3. Realtime 3D Ultrasound for Guiding Ablation of Ventricular Tachycardias**  
TBA
- 4. Integrated Multimodality Imaging for Guiding Catheter-Based and Extracorporeal Beam Ablative Intervention**  
Douglas L. Packer (Rochester, USA)

### **FRIDAY APRIL 20, 2012**

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

**ROOM GELBERSALON**

#### **WORKSHOP-WS-02**

### **Management of Atrial Fibrillation in CRT Patients**

Chairpersons: Bruce L. Wilkoff (Cleveland, USA); Pascal Defaye (Grenoble, FR)

- 1. Chicken and Eggs: CHF or Atrial Fibrillation - Incidence, Prognosis & Drugs**  
Bharat Kantharia (Houston, USA)
- 2. AF and CRT: Shocks & Survival and CRT**  
Bruce L. Wilkoff (Cleveland, USA)
- 3. AF in CRT patients - Atrial Fibrillation ablation, AV node ablation or Drugs**  
David Wilber (Chicago, USA)
- 4. AF and CRT: Management of Anti-coagulation before CRT surgery**  
Tamas Szili-Torok (Rotterdam, NL)

## **FRIDAY APRIL 20, 2012**

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

**ROOM MONTGELASSAAL**

### **WORKSHOP - WS-03**

#### **Sports and arrhythmias**

Chairpersons: Peter Schwartz (Pavia, IT), Francesco Furlanello (Milano, IT)

- 1. Is the 12 lead ECG helpful in detecting athletes at risk?**  
Melvin Scheinman (San Francisco, USA)
- 2. ICD patients and Sports practice**  
TBA
- 3. When should athletes not be granted a certificate of sports eligibility?**  
Alessandro Capucci (Ancona, IT)
- 4. Watching Sports – is it really safe?**  
Ute Wilbert-Lampen (Munich, DE)

## **FRIDAY APRIL 20, 2012**

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

**ROOM PALAISHALLE**

*Posters exposed from 8:30 AM - 12:00 PM*

*Presenters and chairpersons present from 09:00 AM - 10:30 AM*

### **CHAired POSTER SESSION A - PART 1**

#### **CRT techniques and results**

##### **13-1 Abstract 24-14**

#### **DIFFERENT STIMULATION VECTORS USING A QUADRIPOlar LEAD IN CRT THERAPY: IS THERE A HEMODYNAMIC IMPACT?**

Vanessa Puetz<sup>1</sup>, Caroline Berndt<sup>1</sup>, Jochen Buchholz<sup>1</sup>, Anja Dorszewski<sup>1</sup>

<sup>1</sup> *Alfried Krupp Hospital, Essen, Germany*

##### **13-2 Abstract 24-31**

#### **ELECTRICAL INTER- AND INTRAVENTRICULAR CONDUCTION DELAY BY TRANSESOPHAGEAL LEFT VENTRICULAR ELECTROGRAM RECORDING IN CARDIAC RESYNCHRONIZATION THERAPY**

Matthias Heinke<sup>1</sup>, Helmut Kuhnert<sup>1</sup>, Ralf Surber<sup>1</sup>, Dirk Prochnau<sup>1</sup>, Gudrun Dannberg<sup>1</sup>, Hans R. Figulla<sup>1</sup>, Bruno Ismer<sup>2</sup>

<sup>1</sup> *Department of Internal Medicine I, Cardiology Division, University of Jena, Jena, Germany,* <sup>2</sup> *University of Applied Sciences Offenburg, Offenburg, Germany*

##### **13-3 Abstract 24-16**

#### **IS THERE ANY DIFFERENCE BETWEEN ISCHEMIC AND NON-ISCHEMIC DILATED CARDIOMYOPATHY PATIENTS WITH CRT OPTIMIZATION USING ECHOCARDIOGRAPHY?**

Hanaa Fereig<sup>1</sup>, Amal Hamdy<sup>1</sup>, Ahmed. Abd El Aziz<sup>2</sup>, Mrvat. Nabih<sup>3</sup>, Rehab Hamdy<sup>4</sup>

<sup>1</sup> *Cardiology Department. Al-Azhar University, Cairo, Egypt,* <sup>2</sup> *CCU, Cairo University, Cairo, Egypt,* <sup>3</sup> *Ain Shams University, Cairo, Egypt,* <sup>4</sup> *Cardiology Department, Al-Azhar University, Cairo, Egypt*

**13-4 Abstract 24-38**

**CRT-D: APPROPRIATE THERAPY IMPACT ON OUTCOMES**

Francisco Costa<sup>1</sup>, Francisco Morgado<sup>1</sup>, Diogo Cavaco<sup>1</sup>, Pedro Galvao Santos<sup>1</sup>, Gonçalo Cardoso<sup>1</sup>, Pedro Carmo<sup>1</sup>, Francisco Morgado<sup>1</sup>, Pedro Adragao<sup>1</sup>

<sup>1</sup> Hospital Sta Cruz, Lisboa, Portugal

**13-5 Abstract 24-37**

**VALUE OF CARDIOPULMONARY EXERCISE TESTING IN THE EVALUATION OF THE CLINICAL RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY**

Filipa Xavier Valente<sup>1</sup>, Mario Oliveira<sup>2</sup>, Nogueira Silva<sup>2</sup>, Pedro Cunha<sup>2</sup>, Joana Feliciano<sup>2</sup>, Rui Soares<sup>2</sup>, Alexandra Toste<sup>2</sup>, Sergio Laranjo<sup>2</sup>, Rui Ferreira<sup>2</sup>

<sup>1</sup> Hospital Distrital de Santarém, Santarém, Portugal, <sup>2</sup> Centro Hospitalar Lisboa Central - Hospital Santa Marta, Lisboa, Portugal

**13-6 Abstract 24-35**

**THE INFLUENCE OF CARDIAC RESYNCHRONIZATION THERAPY ON ARRHYTHMIA BURDEN – LONG TERM FOLLOW-UP DATA**

Kevin Michael<sup>1</sup>, Kim Stuart<sup>1</sup>, Katherine Aldworth-Gaumond<sup>1</sup>, Hoshiar Abdollah<sup>1</sup>, Chris Simpson<sup>1</sup>, Adrian Baranchuk<sup>1</sup>, Damian Redfearn<sup>1</sup>

<sup>1</sup> Queen's University, Kingston General Hospital, Kingston, Canada

**13-7 Abstract 24-33**

**ADDITIONAL VALUE OF REAL-TIME THREE-DIMENSIONAL ECHOCARDIOGRAPHY IN ASSESSMENT OF LEFT VENTRICULAR DYSSYNCHRONY IN CONGESTIVE HEART FAILURE PATIENTS WITH NARROW QRS COMPLEX**

Khalid Shams<sup>1</sup>, Rania Samir<sup>1</sup>, Sameh Samir<sup>1</sup>, Maiy El Sayed<sup>1</sup>

<sup>1</sup> Cardiology Department, Ain Shams University, Cairo, Egypt

**13-8 Abstract 24-32**

**BENEFIT FROM CRT IS SIMILAR IN PATIENTS WITH INSIGNIFICANT AND WITHOUT CORONARY ARTERY DISEASE**

Maija Vikmane<sup>1</sup>, Ginta Kamzola<sup>1</sup>, Nikolajs Nesterovics<sup>1</sup>, Janis Ansabergs<sup>1</sup>, Maris Blumbergs<sup>1</sup>, Sandis Sakne<sup>1</sup>, Milana Zabunova<sup>1</sup>, Oskars Kalejs<sup>1</sup>, Andrejs Erglis<sup>1</sup>

<sup>1</sup> P.Stradins University Hospital, Latvian Centre of Cardiology, Riga, Latvia

**13-9 Abstract 24-26**

**MULTISITE LEFT VENTRICULAR ENDOCARDIAL PACING- A SINGLE CENTER EXPERIENCE**

Avishag Laish-Farkash<sup>1</sup>, Amos Katz<sup>1</sup>, Evgeny Fishman<sup>1</sup>, Chaim Yosefi<sup>1</sup>, Viktoria Khazan<sup>1</sup>, David Ben-Shushan<sup>1</sup>, Vladimir Khalameizer<sup>1</sup>

<sup>1</sup> Barzilai Medical Center, Ben Gurion University of the Negev, Ashkelon, Israel

**13-10 Abstract 24-28**

**RELATIONSHIP BETWEEN RENAL FUNCTION AND RIGHT VENTRICULAR FUNCTION IN PATIENTS UNDERGOING CARDIAC RESYNCHRONIZATION THERAPY**

Paolo Pieragnoli<sup>1</sup>, Rosanna Abbate<sup>1</sup>, Francesca Cesari<sup>1</sup>, Luca Checchi<sup>1</sup>, Cinzia Fatini<sup>1</sup>, Martina Nesti<sup>1</sup>, Luigi Padeletti<sup>1</sup>, Giulia Pontecorboli<sup>1</sup>, Maria Cristina Porciani<sup>1</sup>, Ilaria Ricceri<sup>1</sup>, Giuseppe Ricciardi<sup>1</sup>, Francesca Ristalli<sup>1</sup>, Elena Sticchi<sup>1</sup>, Antonio Michelucci<sup>1</sup>

<sup>1</sup> Universita di Firenze, Firenze, Italy

**13-11 Abstract 24-13**

**REFRACTORY VENTRICULAR FIBRILLATION DURING CRTD IMPLANTATION – A CASE REPORT OF SUCCESSFUL CARIOVERSION ONLY WITH A LEFT VENTRICULAR DEFIBRILLATOR LEAD.**

Jeremy Chow<sup>1</sup>, Heiko Burger<sup>1</sup>, Gerhard Gobel<sup>1</sup>, Johannes Sperzel<sup>1</sup>, Markus Schonburg<sup>1</sup>

<sup>1</sup> The Kerckhoff-Klinik, Bad Nauheim, Germany

**13-12 Abstract 24-12**

**HAVE FRAGMENTED QRS COMPLEXES ANY PROGNOSTIC VALUE IN CRT-D PATIENTS?**

Laura Cipolletta<sup>1</sup>, Mario Luzi<sup>1</sup>, Michela Brambatti<sup>1</sup>, Matteo Oliva<sup>1</sup>, Maria Vittoria Matassini<sup>1</sup>, Alessandro Capucci<sup>1</sup>

<sup>1</sup> *Cardiologic Clinic, Ancona, Italy*

**13-13 Abstract 24-21**

**SELECTION BIVENTRICULAR PACING MODE: SIMULTANEOUS VS SEQUENTIAL VV DELAY**

Natalia Rogacheva<sup>1</sup>, Pavel Krasnoperov<sup>1</sup>, Veronika Basova<sup>1</sup>, Petrunova Tatyana<sup>1</sup>

<sup>1</sup> *North-Western State Medical University named after I.I.Mechnikov, Saint-Petersburg, Russia*

**Arrhythmias and environmental factors**

**13-15 Abstract 04-10**

**PROLONGED T-PEAK TO T-END INTERVAL AND TP-E/QT RATIO IN MODERATE AND SEVERE OBSTRUCTIVE SLEEP APNEA PATIENTS**

Alptug Tokatli<sup>1</sup>, Fethi Kilicaslan<sup>1</sup>, Omer Uz<sup>1</sup>, Zafer Isilak<sup>1</sup>, Murat Yalcin<sup>1</sup>, Omer Yiginer<sup>1</sup>, Mehmet Uzun<sup>1</sup>, Bekir Yilmaz Cingozbay<sup>1</sup>, Bekir Sitki Cebeci<sup>1</sup>, Fatih Ozdag<sup>2</sup>, Mehmet Senol Guney<sup>2</sup>

<sup>1</sup> *GATA Haydarpasa Hospital, Department of Cardiology, Istanbul, Turkey*, <sup>2</sup> *GATA Haydarpasa Hospital, Department of Neurology, Istanbul, Turkey*

**FRIDAY APRIL 20, 2012**

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

**COFFEE BREAK**

**FRIDAY APRIL 20, 2012**

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

**ROOM KONIGSSAAL**

**ABSTRACT ORAL SESSION 1**

**Catheter ablation of atrial fibrillation**

**1-1 Abstract 15-25**

**IMPACT OF ACUTE TERMINATION OF PERSISTENT AND LONG-STANDING PERSISTENT ATRIAL FIBRILLATION DURING CATHETER ABLATION**

Sonia Ammar<sup>1</sup>, Maria Paulik<sup>1</sup>, Tilko Reents<sup>1</sup>, Stephanie Fichtner<sup>1</sup>, Herribert Pavaci<sup>1</sup>, Clemens Jilek<sup>1</sup>, Christof Kolb<sup>1</sup>, Gabriele Hessling<sup>1</sup>, Isabel Deisenhofer<sup>1</sup>

<sup>1</sup> *Deutsches Herzzentrum, Munchen, Germany* 1. *Medizinische Klinik, Technische Universitat Munchen, Munchen, Germany*

**1-2 Abstract 15-27**

**EKG MONITORING SHOWS LOW AF BURDEN LATE AFTER AFIB ABLATION**

Roger Winkle<sup>1</sup>, R. Hardwin Mead<sup>1</sup>, Greg Engel<sup>1</sup>, Melissa Kong<sup>1</sup>, Rob Patrawala<sup>1</sup>

<sup>1</sup> *Silicon Valley Cardiology, E. Palo Alto, United States*

**1-3 Abstract 15-24**

**REAL TIME CONTACT FORCE MEASUREMENT DURING AF ABLATION PROCEDURES - NEW INSIGHTS FROM A SINGLE CENTER EXPERIENCE**

Sebastian Clauss<sup>1</sup>, Reza Wakili<sup>1</sup>, Michael Ulbrich<sup>2</sup>, Viola Schmidt<sup>1</sup>, Franziska Schussler<sup>1</sup>, Nico Oversohl<sup>1</sup>, Anton Hahnefeld<sup>3</sup>, Stefan Kaab<sup>1</sup>, Heidi Estner<sup>1</sup>

<sup>1</sup> *Medical Department I, Klinikum Grosshadern Munich, University of Munich, Munich, Germany*, <sup>2</sup> *Heart Center Siegburg, Siegburg, Germany*, <sup>3</sup> *MVZ am Diako, Augsburg, Germany*

**1-4 Abstract 15-11**

**LONG-TERM OUTCOMES OF EXTREMELY LONG LASTING PERSISTENT ATRIAL FIBRILLATION ABLATION**

Ardashev Andrey<sup>1</sup>, Zhelyakov Evgeny<sup>1</sup>, Rybachenko Maksim<sup>1</sup>, Konev Aleksey<sup>1</sup>, Dorofeeva Natalia<sup>2</sup>, Belenkov Yury<sup>3</sup>

<sup>1</sup> 83 Clinical Hospital of FMBA, Moscow, Russia, <sup>2</sup> Rostov, Russia, <sup>3</sup> Moscow State University, Moscow, Russia

**1-5 Abstract 18-27**

**CONTACT-FORCE CONTROLLED RADIOFREQUENCY ABLATION INCREASES EFFICACY OF ANTRUM-ORIENTATED PULMONARY VEIN ISOLATION**

Juergen Schreieck<sup>1</sup>, Hans-Joerg Weig<sup>1</sup>, Gunter Kerst<sup>1</sup>, Nadine Sylvina Meichssner<sup>1</sup>, Slawomir Weretka<sup>1</sup>, Peter Seizer<sup>1</sup>, Michael Gramlich<sup>1</sup>, Meinrad Gawaz<sup>1</sup>

<sup>1</sup> Department of cardiology, Tuebingen, Germany

**1-6 Abstract 15-30**

**AUTOMATED ANALYSIS OF ATRIAL DELAYED-ENHANCEMENT CARDIAC MRI CORRELATES WITH HIGH STROKE RISK AND AF RECURRENCE POST-ABLATION**

Louisa Malcolm-Lawes<sup>1</sup>, Christoph Juli<sup>1</sup>, Rashed Karim<sup>1</sup>, Wenjia Bai<sup>1</sup>, Rebecca Quest<sup>1</sup>, Phang Boon Lim<sup>1</sup>, Shahnaz Jamil-Copley<sup>1</sup>, Pipin Kojodjojo<sup>1</sup>, Ben Ariff<sup>1</sup>, D Wyn Davies<sup>1</sup>, Daniel Rueckert<sup>1</sup>, Nicholas S Peters<sup>1</sup>, Prapa Kanagaratnam<sup>1</sup>, Ross Hunter<sup>2</sup>, Redha Boubertakh<sup>2</sup>, Steffen Petersen<sup>2</sup>, Richard Schilling<sup>2</sup>

<sup>1</sup> Imperial College London, London, United Kingdom, <sup>2</sup> Barts and the London Biomedical Research Unit, London, United Kingdom

**FRIDAY APRIL 20, 2012**

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

**ROOM FURSTENSALON**

**ABSTRACT ORAL SESSION 2**

**Prevention of sudden cardiac death with ICD**

**2-1 Abstract 25-12**

**NON-COMPACTION CARDIOMYOPATHY RISK STRATIFICATION FOR PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH**

Nestor Galizio<sup>1</sup>, Jose Gonzalez<sup>1</sup>, Alejandro Palazzo<sup>1</sup>, Federico Robles<sup>1</sup>, Felix Albano<sup>1</sup>, Guillermo Carnero<sup>1</sup>, Agustina Gargano<sup>1</sup>, Nicolas Martinenghi<sup>1</sup>, Xavier Vallejos<sup>1</sup>

<sup>1</sup> Favaloro Foundation, Buenos Aires, Argentina

**2-2 Abstract 19-16**

**MID-SEPTAL VERSUS APICAL POSITIONING OF ICD LEADS - THE SPICE STUDY**

Christof Kolb<sup>1</sup>, Carsten Lennerz<sup>1</sup>, Verena Semmler<sup>1</sup>, Ulrich Solzbach<sup>2</sup>, Petra Wacker<sup>3</sup>, Bernd Lemke<sup>4</sup>, Dietrich Pfeiffer<sup>5</sup>, Istvan Szendey<sup>6</sup>, Stylianos Tzeis<sup>7</sup>, Stefan Asbach<sup>8</sup>

<sup>1</sup> Deutsches Herzzentrum Munchen, Munchen, Germany, <sup>2</sup> Ostalb Klinikum Aalen, Aalen, Germany, <sup>3</sup> Klinikum Peine gGmbH, Peine, Germany, <sup>4</sup> Klinikum Ludenscheid, Klinik fur Kardiologie und Angiologie, Ludenscheid, Germany, <sup>5</sup> Universitatsklinikum Leipzig, Leipzig, Germany, <sup>6</sup> Kliniken Maria Hilf GmbH, Mönchengladbach, Germany, <sup>7</sup> Henry Dunant General Hospital, Dept. of Cardiology, Athens, Greece, <sup>8</sup> Universitatsklinik Freiburg, Kardiologie, Freiburg, Germany

**2-3 Abstract 19-18**

**REDUCTION OF INAPPROPRIATE ICD SHOCKS BY LEAD INTEGRITY ALERT: A RETROSPECTIVE ANALYSIS**

Reegina Freeden<sup>1</sup>, Carsten Koenig<sup>1</sup>, Marc Lohrengeld<sup>2</sup>, Ralf Bosch<sup>2</sup>, Eimo Martens<sup>3</sup>, Johannes Siebermair<sup>3</sup>, Stefan Kaab<sup>3</sup>

<sup>1</sup> Medtronic GmbH, Meerbusch, Germany, <sup>2</sup> Cardiology Asperger Strasse, Ludwigsburg, Germany, <sup>3</sup> Department of Cardiology - University Hospital of Munich, Munich, Germany

**2-4 Abstract 19-11**

**CARDIAC MRI INDICES PREDICT INDUCIBLE VT AND APPROPRIATE ICD THERAPIES IN PATIENTS WITH ICM.**

Tawfiq Zeidan-Shwiri<sup>1</sup>, Lashevsky Ilan<sup>1</sup>, Yang Yuesong<sup>1</sup>, Gideon Paul<sup>1</sup>, Kadmon Ehud<sup>1</sup>, Farkash Laish Avishag<sup>1</sup>, Kagal Daren<sup>1</sup>, Dick Alexander<sup>1</sup>, Shurrab Muhammed<sup>1</sup>, Singh Sheldon<sup>1</sup>, Lau Ching<sup>1</sup>, Wright Graham<sup>1</sup>, Osherov Azriel<sup>1</sup>, Crystal Euegene<sup>1</sup>

<sup>1</sup> Sunnybrook Health Sciences Centre, Toronto, Canada

**2-5 Abstract 19-20**

**OUTCOMES IN HEREDITARY HEART DISEASE PATIENTS TREATED WITH IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS**

Deepa McGriff<sup>1</sup>, William T Katsiyiannis<sup>1</sup>, Linda Kallinen Retel<sup>1</sup>, Robert G. Hauser<sup>1</sup>

<sup>1</sup> Minneapolis Heart Institute Foundation, Minneapolis, United States

**2-6 Abstract 19-25**

**THE ENTIRELY SUBCUTANEOUS IMPLANTABLE CARDIOVERTER – DEFIBRILLATOR (S-ICD) – AN ALTERNATIVE TO CONVENTIONAL ICDS IN INHERITED ARRHYTHMIA SYNDROMES?**

Johannes Siebermair<sup>1</sup>, Britt-Maria Beckmann<sup>1</sup>, Reza Wakili<sup>1</sup>, Eimo Martens<sup>1</sup>, Nico Oversohl<sup>1</sup>, Franziska Schussler<sup>1</sup>, Heidi Estner<sup>1</sup>, Stefan Kaab<sup>1</sup>

<sup>1</sup> LMU Munchen, Campus Grosshadern, Medizinische Klinik I, Munich, Germany

**FRIDAY APRIL 20, 2012**

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

**ROOM GELBERSALON**

**ABSTRACT ORAL SESSION 3**

**Thrombi detection and stroke prevention**

**3-1 Abstract 15-51**

**ASYMPTOMATIC CEREBRAL LESIONS IN PULMONARY VEIN ISOLATION UNDER THERAPEUTIC ANTICOAGULATION**

Elisabeth Sigmund<sup>1</sup>, Christine Lemes<sup>1</sup>, Michael Derndorfer<sup>1</sup>, Hans-Joachim Nesser<sup>1</sup>, Helmut Puererfellner<sup>1</sup>, Martin Martinek<sup>1</sup>

<sup>1</sup> Elisabethinen University Teaching Hospital, Linz, Austria

**3-2 Abstract 15-29**

**DUAL-SOURCE CARDIAC COMPUTED TOMOGRAPHY FOR THE DETECTION OF LEFT ATRIAL APPENDAGE THROMBUS PRIOR TO LEFT ATRIAL ABLATION: IMPROVED SPECIFICITY AND REDUCED RADIATION DOSE BY OPTIMIZED CONTRAST- AND SCANNING-PROTOCOL**

Clemens Jilek<sup>1</sup>, Sophie Loibl<sup>1</sup>, Tanja Meyer<sup>1</sup>, Sonia Ammar<sup>1</sup>, Tilko Reents<sup>1</sup>, Stephanie Fichtner<sup>1</sup>, Eva Hendrich<sup>2</sup>, Albrecht Will<sup>2</sup>, Stefan Martinoff<sup>2</sup>, Jorg Hausleiter<sup>1</sup>, Christof Kolb<sup>1</sup>, Gabriele Hessling<sup>1</sup>, Isabel Deisenhofer<sup>1</sup>

<sup>1</sup> Deutsches Herzzentrum Munchen, 1. Medizinische Klinik, Klinikum Rechts der Isar, Technische Universität München, Deutschland, München, Germany, <sup>2</sup> Deutsches Herzzentrum München, Institut für Radiologie, Technische Universität München, Deutschland, München, Germany

**3-3 Abstract 15-66**

**PREVALENCE OF LEFT ATRIAL APPENDAGE THROMBI ON MULTIDETECTOR COMPUTED TOMOGRAPHY AS COMPARED WITH TRANSESOPHAGEAL ECHOCARDIOGRAPHY AND PREDISPOSING FACTORS IN CANDIDATES FOR PULMONARY VEIN ISOLATION**

Raffaella Marazzi<sup>1</sup>, Roberto De Ponti<sup>1</sup>, Lorenzo Doni<sup>1</sup>, Michele Pappalettera<sup>1</sup>, Stefania Falcone<sup>1</sup>, Jorge A. Salerno-Uriarte<sup>1</sup>, Domenico Lumia<sup>2</sup>, Carlo Fugazzola<sup>2</sup>

<sup>1</sup> Department of Heart, Brain and Vessels, Ospedale di Circolo e Fondazione Macchi, University of Insubria, Varese, Italy, <sup>2</sup> Department of Radiology, Ospedale di Circolo e Fondazione Macchi, University of Insubria, Varese, Italy

**3-4 Abstract 15-72**

**CARDIOVASCULAR OUTCOMES IN PATIENTS PRESENTING WITH PERSISTENT ATRIAL FIBRILLATION TREATED BY INDIVIDUAL ANTIARRHYTHMIC DRUGS FOR RHYTHM CONTROL: A PROPENSITY SCORE MATCHING ANALYSIS OF THE AFFIRM TRIAL**

Sanjeev Saksena<sup>1</sup>, April Slee<sup>1</sup>, Albert Waldo<sup>1</sup>, Nicholas Freemantle<sup>1</sup>, Mathew Reynolds<sup>1</sup>, Yves Rosenberg<sup>1</sup>, D G Wyse<sup>1</sup>

<sup>1</sup> *Electrophysiology Research Foundation, Warren, National Heart, Lung and Blood Institute, Bethesda, United States*

**3-5 Abstract 15-70**

**LEFT ATRIAL APPENDAGE MORPHOLOGY AND RISK OF STROKE IN PATIENTS WITH AF AND CHADS2 SCORE 0-1: IS THERE AN ASSOCIATION?**

Luigi Di Biase<sup>1</sup>, Pasquale Santangeli<sup>1</sup>, Matteo Anselmino<sup>2</sup>, Prasant Mohanty<sup>1</sup>, Ilaria Salvetti<sup>2</sup>, Sebastiano Gili<sup>2</sup>, Rodney Horton<sup>1</sup>, Javier E. Sanchez<sup>1</sup>, Rong Bai<sup>1</sup>, Sanghamitra Mohanty<sup>1</sup>, Agnes Pump<sup>1</sup>, J. Joseph Gallinghouse<sup>1</sup>, J.David Burkhardt<sup>1</sup>, Federico Cesarani<sup>2</sup>, Marco Scaglione<sup>2</sup>, Andrea Natale<sup>1</sup>, Fiorenzo Gaita<sup>2</sup>

<sup>1</sup> *Texas Cardiac Arrhythmia Institute at St David's Medical Center, Austin, United States*, <sup>2</sup> *University of Turin, Turin, Italy*

**3-6 Abstract 05-16**

**VALUE OF HOLTER MONITORING IN PATIENTS WITH RADIOEMBOLIC STROKE**

Carla Sousa<sup>1</sup>, Joana Rema<sup>1</sup>, Alexandra Sousa<sup>1</sup>, Mariana Paiva<sup>1</sup>, Ana Lebreiro<sup>1</sup>, Ines Rangel<sup>1</sup>, Delfim Souteiro<sup>1</sup>, Paulo Chaves<sup>1</sup>, Manuel Campelo<sup>1</sup>, Maria Julia Maciel<sup>1</sup>

<sup>1</sup> *Centro Hospitalar de Sao Joao, Porto, Portugal*

**FRIDAY APRIL 20, 2012**

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

**ROOM MONTGELASSAAL**

**ABSTRACT ORAL SESSION 4**

**Mechanisms of cardiac arrhythmias**

**4-1 Abstract 03-12**

**REVISED 2010 TASK FORCE CRITERIA FOR ARVD/C DIAGNOSIS PROMOTE INCLUSION OF NON-DESOMOSOMAL MUTATION CARRIERS**

Judith Groeneweg<sup>1</sup>, Moniek Cox<sup>1</sup>, Richard Hauer<sup>1</sup>, Paul van der Zwaag<sup>2</sup>, Jan Jongbloed<sup>2</sup>, Ans Wiesfeld<sup>2</sup>, Peter van Tintelen<sup>2</sup>, Christian van der Werf<sup>3</sup>, Connie Bezzina<sup>3</sup>, Arthur Wilde<sup>3</sup>, Jeroen van der Heijden<sup>4</sup>, Pieter Doevendans<sup>4</sup>

<sup>1</sup> *University Medical Center Utrecht and Interuniversity Cardiology Institute of the Netherlands, Utrecht, Netherlands*, <sup>2</sup> *University Medical Center Groningen, Groningen, Netherlands*, <sup>3</sup> *Academic Medical Center, Amsterdam, Netherlands*, <sup>4</sup> *University Medical Center Utrecht, Utrecht, Netherlands*

**4-2 Abstract 03-13**

**LEUKOCYTE TELOMERE/TELOMERASE DYNAMICS IN PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATOR; POTENTIAL BIOMARKER FOR VENTRICULAR ARRHYTHMIAS**

Vinit Sawhney<sup>1,2</sup>, Niall Campbell<sup>2</sup>, Scott Brouillette<sup>1</sup>, Yasunori Shintani<sup>1</sup>, Steven Coppen<sup>1</sup>, Takuya Narita<sup>1</sup>, Chiho Ikebe<sup>1</sup>, Masahiro Kaneko<sup>1</sup>, Kenta Yashiro<sup>1</sup>, Victoria Baker<sup>2</sup>, Farai Goromonzi<sup>2</sup>, Atholl Johnston<sup>1</sup>, Marsha Abbott<sup>2</sup>, Mehul Dhinoja<sup>2</sup>, Dominic Abrams<sup>2</sup>, Mark Earley<sup>2</sup>, Simon Sporton<sup>2</sup>, Ken Suzuki<sup>1</sup>, Richard Schilling<sup>1,2</sup>

<sup>1</sup> *William Harvey Research Institute, London, United Kingdom*, <sup>2</sup> *St Bartholomew's Hospital, London, United Kingdom*

**4-3 Abstract 01-18**

**ELECTRO-ANATOMICAL AND AUTONOMIC FEATURES OF A NEW MODEL OF UNPROVOKED ATRIAL TACHYARRHYTHMIAS IN SPONTANEOUSLY HYPERTENSIVE RATS**

Alina Scridon <sup>1</sup>, Clément Gallet <sup>2</sup>, Valérie Oréa <sup>2</sup>, Bruno Chapuis <sup>2</sup>, Georges Christé <sup>2</sup>, Christian Barrès <sup>2</sup>, Claude Julien <sup>2</sup>, Philippe Chevalier <sup>2</sup>, Moussa Arisha <sup>3</sup>, Alain Tabib <sup>4</sup>  
<sup>1</sup> University of Medicine and Pharmacy of Targu Mures, Targu Mures, Romania, <sup>2</sup> Unité de Neurocardiologie, Université Lyon 1, Lyon, France, <sup>3</sup> Hospices Civils de Lyon, Hôpital Louis Pradel, Service de Rythmologie, Bron, France, <sup>4</sup> Institut de Médecine Légale de Lyon, Lyon, France

#### **4-4 Abstract 02-12**

### **CONNEXIN-43 CHANNELS ARE IMPLICATED IN ANTIARRHYTHMIC EFFECTS OF OMEGA-3 FA IN HYPERTENSIVE RATS.**

Narcisa Tribulova <sup>1</sup>, Barbara Bacova <sup>1</sup>, Tamara Benova <sup>1</sup>, Jan Slezak <sup>1</sup>, Jana Radosinska <sup>2</sup>, Vladimir Knezl <sup>3</sup>, Robert Hatala <sup>4</sup>

<sup>1</sup> Institute for Heart Research, Bratislava, Slovakia, <sup>2</sup> Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia, <sup>3</sup> Institute of Experimental Pharmacology and Toxicology, Bratislava, Slovakia, <sup>4</sup> Department of Arrhythmias, National Cardiovascular Institute, Bratislava, Slovakia

#### **4-5 Abstract N° 03-16**

### **MECHANISM OF PREGNANCY-RELATED LONG QT SYNDROME RISK: ESTROGEN ACCELERATES HUMAN CARDIAC REPOLARIZATION BY ENHANCING KCNH2 MEMBRANE TRAFFICKING VIA HEAT-SHOCK-PROTEIN INTERACTION**

Lars Anneken, Stefan Baumann, Peter Biliczki, Zenawit Girmatsion, Ina Takac, Ralf P. Brandes, Thomas Klingenhoben, Eric Schulze-Bahr, Stanley Nattel, Stefan H. Hohnloser, Joachim R. Ehrlich

Universitätsklinikum Erlangen, Erlangen, Germany, Klinikum der Johann Wolfgang Goethe-Universität, Frankfurt am Main, Germany, Institut für Kardiovaskuläre Physiologie, Fachbereich Medizin der Goethe-Universität, Frankfurt am Main, Germany, Universitätsklinikum, Munster, Munster, Germany, Montreal Heart Institute and Université de Montréal, Montréal, Canada

#### **4-6 Abstract 02-11**

### **COMPARATIVE ANALYSIS OF ATRIAL MICRORNA REGULATION IN TWO DISTINCT PORCINE MODELS OF ISCHEMIC HEART FAILURE AND ATRIAL TACHYPACING**

Sebastian Clauss <sup>1</sup>, Elisabeth Baloch <sup>1</sup>, Rabea Hinkel <sup>1</sup>, Olympia Bikou <sup>2</sup>, Dierk Thomas <sup>2</sup>, Viola Schmidt <sup>1</sup>, Christian Kupatt <sup>1</sup>, Heidi Estner <sup>1</sup>, Stefan Kaab <sup>1</sup>, Reza Wakili <sup>1</sup>

<sup>1</sup> Medical Department I, Klinikum Grosshadern Munich, University of Munich, Munich, Germany, <sup>2</sup> Department of Cardiology, University of Heidelberg, Heidelberg, Germany

## **FRIDAY APRIL 20, 2012**

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

**ROOM PALAISHALLE**

Posters exposed from 8:30 AM - 12:00 PM

Presenters and chairpersons present from 10:30 AM - 12:00 PM

### **CHAired POSTER SESSION A - PART 2**

#### **Cardiac mapping and arrhythmias monitoring**

#### **14-1 Abstract 15-56**

### **THE MODIFIED REVEAL® XT ALGORITHM REDUCES MISIDENTIFICATION OF ARTEFACT WITHOUT IMPROVING THE DIAGNOSTIC SPECIFICITY OF AF DETECTION**

Conn Sugihara <sup>1</sup>, Steven Podd <sup>1</sup>, Stephen Furniss <sup>1</sup>, Neil Sulke <sup>1</sup>

<sup>1</sup> Eastbourne General Hospital, Eastbourne, United Kingdom

#### **14-2 Abstract 19-27**

### **LATITUDE PROGRAM: INITIAL RESULTS**

Francisco Costa <sup>1</sup>, Pedro Galvao Santos <sup>1</sup>, Diogo Cavaco <sup>1</sup>, Gonçalo Cardoso <sup>1</sup>, Pedro Carmo <sup>1</sup>, Francisco Morgado <sup>1</sup>, Pedro Adragao <sup>1</sup>

<sup>1</sup> Hospital Sta Cruz, Lisboa, Portugal

**14-3 Abstract 07-14**

**DELTAT50 AS A PROGNOSTIC MARKER IN AN ELDERLY POPULATION**

Christina Abrahamsson<sup>1</sup>, Bo Skallefäll<sup>1</sup>, Leif Carlsson<sup>1</sup>, Janeli Sarv<sup>1</sup>, Goran Duker<sup>1</sup>, Nils Edvardsson<sup>2</sup>, Lars Lind<sup>3</sup>

<sup>1</sup> AstraZeneca R&D, Mölndal, Sweden, <sup>2</sup> Sahlgrenska Academy at Sahlgrenska University Hospital, Goteborg, Sweden, <sup>3</sup> Dept of Medical Sciences, Uppsala, Sweden

**14-4 Abstract 06-12**

**IMPACT OF THE REMOTE MONITORING SYSTEM CONGESTION (CORVUE) OF ST. JUDE MEDICAL™ FOR MANAGEMENT OF HEART FAILURE PATIENTS**

Luca Santini<sup>1</sup>, Fortunata Condemi<sup>1</sup>, Germana Panattoni<sup>1</sup>, Chiara Ricagni<sup>1</sup>, Giulia Magliano<sup>1</sup>, Domenico Sergi<sup>1</sup>, Lida P. Papavasileiou<sup>1</sup>, Marianna Sgueglia<sup>1</sup>, Valentina Romano<sup>1</sup>, Valentina Schirripa<sup>1</sup>, Giovanni B. Forleo<sup>1</sup>, Francesco Romeo<sup>1</sup>

<sup>1</sup> University of Rome, Tor Vergata, Rome, Italy

**14-5 Abstract 28-14**

**RIPPLE MAPPING: FEASIBILITY FOR CLINICAL USE OF A NOVEL 3-D ELECTROGRAM VISUALISATION METHOD WITH AN ELECTRO-ANATOMIC MAPPING SYSTEM**

Shahnaz Jamil-Copley<sup>1</sup>, Nick Linton<sup>1</sup>, Michael Koa-Wing<sup>1</sup>, Pipin Kojodjojo<sup>1</sup>, Boon Lim<sup>1</sup>, Louisa Malcolm-Lawes<sup>1</sup>, Ian Wright<sup>1</sup>, Wyn Davies<sup>1</sup>, Nicholas Peters<sup>1</sup>, Darrel Francis<sup>1</sup>, Prapa Kanagaratnam<sup>1</sup>

<sup>1</sup> St.Mary's Hospital Healthcare NHS Trust, London, United Kingdom

**14-6 Abstract 05-10**

**REMOTE MONITORING IN IMPLANTABLE CARDIAC DEFIBRILLATORS AND CARDIAC RESYNCHRONIZATION DEVICES. DIAGNOSTIC TOOLS FOR AN EARLY DIAGNOSIS AND TREATMENT**

Nestor Galizio<sup>1</sup>, Felix Albano<sup>1</sup>, Federico Robles<sup>1</sup>, Alejandro Palazzo<sup>1</sup>, Guillermo Carnero<sup>1</sup>, Agustina Gargano<sup>1</sup>, Nicolas Martinenghi<sup>1</sup>, Xavier Vallejos<sup>1</sup>, Jose Gonzalez<sup>1</sup>

<sup>1</sup> Favaloro Foundation, Buenos Aires, Argentina

**Atrial fibrillation clinical characteristics and management**

**14-7 Abstract 15-17**

**HIGH PREVALENCE OF LONG QT SYNDROME ASSOCIATED SCN5A VARIANTS IN PATIENTS WITH EARLY-ONSET LONE ATRIAL FIBRILLATION**

Lei Yuan<sup>1</sup>

<sup>1</sup> Danish National Research Foundation Centre for Cardiac Arrhythmia (DARC), Department of Biomedical Sciences, Faculty of Health Sciences, University of Copenhagen, Denmark, Copenhagen, Denmark

**14-8 Abstract 15-20**

**OBESITY AS A RISK FACTOR FOR ATRIAL FIBRILLATION RECURRENCE**

Mykola Vatutin<sup>1</sup>, Nataliya Kalinkina<sup>1</sup>, Anna Shevelok<sup>1</sup>, Olga Kashanskaya<sup>1</sup>

<sup>1</sup> Donetsk National Medical University n. a. Gorky, Donetsk, Ukraine

**14-9 Abstract 15-14**

**SINUS CONVERTING EFFICACY OF AMIODARONE VS BEPRIDIL FOR PERSISTENT ATRIAL FIBRILLATION**

Miki Yamase<sup>1</sup>, Yuji Nakazato<sup>2</sup>, Yoshihisa Enjyoji<sup>2</sup>

<sup>1</sup> Department of Cardiology, Juntendo University Urayasu Hospital, Urayasu, Japan

**14-10 Abstract 15-42**

**IMPACT OF DIFFERENT SUPRAVENTRICULAR ARRHYTHMIAS ON PERCEPTION OF PALPITATIONS IN PATIENTS REFERRED FOR SUBSTRATE ABLATION**

Antonio Sorgente<sup>1</sup>, Cristian Ricci<sup>1</sup>, Pierpaolo Lupo<sup>1</sup>, Mario Pittalis<sup>1</sup>, Sara Foresti<sup>1</sup>, Hussam Ali<sup>1</sup>, Guido De Ambroggi<sup>1</sup>, Tommaso Infusino<sup>1</sup>, Luigi De Ambroggi<sup>1</sup>, Riccardo Cappato<sup>1</sup>

<sup>1</sup> IRCCS Policlinico San Donato, San Donato Milanese, Milan, Italy

**14-11 Abstract 15-31**

**REPEATED INTRAVENOUS BOLUSES OF IBUTILIDE FOR 1C DRUGS OR AMIODARONE RESISTANT ACUTE ATRIAL FIBRILLATION**

Saverio Lavanga <sup>1</sup>, Daniele Nassiacos <sup>1</sup>, Fabio Guzzini <sup>2</sup>

<sup>1</sup> Ospedale di Saronno, Saronno, Italy, <sup>2</sup> Clinica S. Carlo, Paderno Dugnano, Italy

**14-12 Abstract 20-12**

**MECHANISMS OF VENTRICULAR ECTOPIC ACTIVITY SUPPRESSION IN PATIENTS WITH ISCHEMIC CHRONIC HEART FAILURE DURING IVABRADINE THERAPY**

Mayya Surovtseva <sup>1</sup>, Natalya Koziolova <sup>1</sup>, Anna Chernyavina <sup>1</sup>, Marina Eltsova <sup>1</sup>

<sup>1</sup> Perm State Medical Academy, Perm, Russia

**14-13 Abstract 20-16**

**PROARRHYTHMIA POTENTIAL OF DRONEDARONE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION AND NORMAL LEFT-VENTRICULAR FUNCTION**

Hans D. Esperer <sup>1</sup>, Marcus Bajer <sup>2</sup>, Conrad Genz <sup>2</sup>, Thomas Rauwolf <sup>2</sup>, Rüdiger C. Braun-Dullaeus <sup>2</sup>, Samir Said <sup>2</sup>

<sup>1</sup> Otto-von-Guericke-Universität, Magdeburg, Germany, <sup>2</sup> Otto-von-Guericke Universität, Magdeburg, Germany

**14-14 Abstract 15-35**

**REPEATED INTRAVENOUS BOLUSES OF FLECAINIDE FOR ACUTE ATRIAL FIBRILLATION TERMINATION: A RANDOMIZED SINGLE-BLIND REGIMEN CONTROLLED TRIAL. FIRST SIXTY RANDOMISED PATIENTS**

Saverio Lavanga <sup>1</sup>, Daniele Nassiacos <sup>1</sup>

<sup>1</sup> Ospedale di Saronno, Saronno, Italy

**14-15 Abstract 15-60**

**DIFFERENCES IN ATRIAL EXCITATION PATTERNS FOLLOWING CIRCUMFERENTIAL PULMONARY VEINS ISOLATION REVEALED BY WAVELET ANALYSIS**

Vasileios Vassilikos <sup>1</sup>, George Dakos <sup>2</sup>, Stelios Paraskevaïdis <sup>3</sup>, Lilian Mantziari <sup>3</sup>, Ioanna Chouvarda <sup>4</sup>, Ioannis Chatzizisis <sup>5</sup>, Stratos Theofilogiannakos <sup>5</sup>, Ioannis Styliadis <sup>5</sup>, Nikolaos Maglaveras <sup>6</sup>

<sup>1</sup> 1st Cardiology Dept, Aristotle University of Thessaloniki, Thessaloniki, Greece, <sup>2</sup> 1st Cardiology Dept., Aristotle University of Thessaloniki, Thessaloniki, Greece, <sup>3</sup> 1st Cardiology Dept., Aristotle University of Thessaloniki, Thessaloniki, Greece, <sup>4</sup> Lab of Medical Informatics, Aristotle University of Thessaloniki, Thessaloniki, Greece, <sup>5</sup> 1st Cardiology Dept., Aristotel University of Thessaloniki, Thessaloniki, Greece, <sup>6</sup> Lab of Medical Informatics, Aristotle University of Thessaloniki, Thessaloniki, Greece

**FRIDAY, APRIL 20, 2012**

**12:15-PM - 1:45 PM**

**ROOM TBA**

**LUNCHEON PANELS 1 and 2 (TBA)**

**FRIDAY, APRIL 20, 2012**

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

**ROOM KONIGSSAAL**

**SESSION - AB-01**

**Fundamentals of Catheter Ablation for Cardiac arrhythmias**

Chairpersons: Riccardo Cappato (Milano, IT), Douglas Packer (Rochester, USA)

- 1. Etiological and anatomical knowledge required for catheter ablation of arrhythmogenic cardiac foci**

Jeronimo Farre (Madrid, ES)

**2. Structure and function of the human AV node. Lessons from optical mapping**

Igor Efimov (St. Louis, USA)

**3. Minimally acceptable equipment and mapping techniques for the modern cardiac electrophysiologic laboratory**

Richard Hauer (Utrecht, NL)

**4. Conventional and new energy sources used for catheter ablation**

Wyn Davies (London, GB)

**FRIDAY, APRIL 20, 2012**

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

**ROOM FURSTENSALON**

**SESSION- HD-01**

**Arrhythmias in coronary heart disease**

Chairpersons: Sanjeev Saksena (New Brunswick, USA), Shigeru Ikeguchi (Tokyo, JP)

**1. Tools to evaluate the mechanisms of arrhythmias in CAD patients (ECG, 3D-Mapping, Imaging modalities etc.)**

Timm-Michael Dickfeld (Baltimore, USA)

**2. Non-device management of ventricular arrhythmias in CAD patients**

Poul Erik Bloch-Thomsen (Copenhagen, DK)

**3. Incidence and clinical significance of atrial arrhythmias in the context of CAD**

Stanley Nattel (Montreal, CA)

**4. Ablation and Management of VT storm**

Robert Schweikert (Akron, USA)

**FRIDAY, APRIL 20, 2012**

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

**ROOM GELBERSALON**

**SYMPOSIUM - SP-01**

**A second life for antiarrhythmic agents?**

Chairpersons: Dobromir Dobrev (Heidelberg, DE), Gerald Naccarelli (Hershey, USA)

**1. Class I agents in the management of inherited arrhythmias – A need for resuscitation?**

Arthur Wilde (Amsterdam, NL)

**2. Any role for conventional class III agents?**

Nils Edvardsson (Gothenburg, SE)

3. **Use of antiarrhythmics in ICD patients: A good model for their evaluation?**  
Jean-Yves Le Heuzey (Paris, FR)
4. **Which antiarrhythmic agents for the future?**  
Samuel Lévy (Marseille, FR)

## **FRIDAY, APRIL 20, 2012**

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

**ROOM MONTGELASSAAL**

### **SYMPOSIUM – SP-02**

#### **Structural changes and predisposing factors for atrial fibrillation**

Chairpersons: Gerard Guiraudon (London, CA), Michiel Janse (Amsterdam, NL)

1. **Structural changes associated with lone AF**  
Albert Waldo (Cleveland, USA)
2. **Obesity, metabolic syndrome and AF**  
Promund Obel (Johannesburg, ZA)
3. **Prevention of AF with fish oil and fish oil supplements: how strong is the evidence?**  
Massimo Santini (Rome, IT)
4. **Autonomic dysfunction and atrial fibrillation**  
Martins Oliveira (Lisbon, PT)

## **FRIDAY, APRIL 20, 2012**

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

**ROOM PALAISHALLE**

*Posters exposed from 02:00 PM - 05:30 PM*

*Presenters and chairpersons present from 02:00 PM - 03:30 PM*

### **CHAired POSTER SESSION B - PART 1**

#### **Atrial fibrillation ablation**

##### **15-1 Abstract 18-18**

#### **PERSISTENCE OF SEPTAL DEFECTS POST TRANSSEPTAL PUNCTURE: A PROSPECTIVE STUDY OF INCIDENCE AND CLINICAL IMPLICATIONS**

Vinit Sawhney<sup>1</sup>, Joanna Tenkorang<sup>1</sup>, Aaisha Opel<sup>1</sup>, Glyn Thomas<sup>1</sup>, Mehul Dhinoja<sup>1</sup>, Dominic Abrams<sup>1</sup>, Mark Earley<sup>1</sup>, Simon Sporton<sup>1</sup>, Richard Schilling<sup>1</sup>

<sup>1</sup> *St Bartholomew's Hospital, London, United Kingdom*

##### **15-2 Abstract 18-50**

#### **DOES THE INTERPLAY OF CONTACT FORCE AND FORCE TIME INTEGRAL IMPACT ON ACUTE PULMONARY VEIN ISOLATION?**

Shouvik Haldar<sup>1</sup>, Julian Jarman<sup>1</sup>, David Jones<sup>1</sup>, Sandeep Panikker<sup>1</sup>, Wajid Hussain<sup>1</sup>, Tushar Salukhe<sup>1</sup>, Vias Markides<sup>1</sup>, Tom Wong<sup>1</sup>

<sup>1</sup> *Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom*

**15-3 Abstract 18-43**

**A COMPARISON OF CONTEMPORARY METRICS FOR THE IDENTIFICATION OF COMPLEX FRACTIONATED ELECTROGRAMS**

Charlotte Haley<sup>1</sup>, Lorne J Gula<sup>2</sup>, Rodrigo Miranda<sup>3</sup>, Kevin A Michael<sup>1</sup>, Christopher S Simpson<sup>1</sup>, Hoshiar Abdollah<sup>1</sup>, Adrian M Baranchuk<sup>1</sup>, Adam J West<sup>4</sup>, Selim Akl PhD<sup>1</sup>, Damian P Redfean<sup>1</sup>

<sup>1</sup> Queen's University, Kingston, Ontario, Canada, <sup>2</sup> University of Western Ontario, London, Canada,

<sup>3</sup> Concordia University, Montreal, Canada, <sup>4</sup> Universidad de la Frontera, Temuco, Chile

**15-4 Abstract 15-49**

**CONTACT FORCE AIDED PULMONARY VEIN ISOLATION IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION- INITIAL EXPERIENCE**

Stephanie Fichtner<sup>1</sup>, Tilko Reents<sup>1</sup>, Sonia Ammar<sup>1</sup>, Clemens Jilek<sup>1</sup>, Heribert Pavaci<sup>1</sup>, Susanne Kathan<sup>1</sup>, Gabriele Hessling<sup>1</sup>, Isabel Deisenhofer<sup>1</sup>

<sup>1</sup> Deutsches Herzzentrum München, München, Germany

**15-5 Abstract 15-21**

**COMPARISON OF CFE AND GP SITES MAPPING TO GUIDE AF SUBSTRATE ABLATION**

Shigeru Ikeguchi<sup>1</sup>, Yuzo Takeuchi<sup>1</sup>, Shinsaku Takeda<sup>1</sup>, Yoshitaka Kawata<sup>1</sup>, Takeshi Harita<sup>1</sup>, Yasutaka Inuzuka<sup>1</sup>, Jyunya Seki<sup>1</sup>, Soji Nishio<sup>1</sup>, Masaharu Okada<sup>1</sup>, Tatsuhiko Hata<sup>1</sup>, Kunihiko Kosuga<sup>1</sup>

<sup>1</sup> Shiga Medical Center for Adolt, Moriyama, Japan

**15-6 Abstract 15-15**

**SPATIAL TORSION OF THE IPSILATERAL SUPERIOR AND INFERIOR PULMONARY VEINS**

Song-Wen Chen<sup>1</sup>

<sup>1</sup> Department of Cardiology, Shanghai First People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China

**15-7 Abstract 04-13**

**THE ROLE OF THE NEURAL NETWORKS IN IDENTIFICATION AND ABLATION OF PULMONARY VEIN ECTOPIC TRIGGERS**

Louisa Malcolm-Lawes<sup>1</sup>, Phang Boon Lim<sup>1</sup>, Ian Wright<sup>1</sup>, Pipin Kojodjojo<sup>1</sup>, Michael Koa-Wing<sup>1</sup>, Shahnaz Jamil-Copley<sup>1</sup>, D Wyn Davies<sup>1</sup>, Nicholas S Peters<sup>1</sup>, Prapa Kanagaratnam<sup>1</sup>

<sup>1</sup> Imperial College London, London, United Kingdom

**15-8 Abstract 15-16**

**IMPROVEMENT OF ABLATION ACCURACY FOR PULMONARY VEIN ISOLATION BY CARTO-MERGE**

Song-Wen Chen<sup>1</sup>, Gang Chen<sup>1</sup>, Shaowen Liu<sup>1</sup>, Ya Zhen<sup>2</sup>

<sup>1</sup> Department of Cardiology, Shanghai First People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China, <sup>2</sup> Department of Cardiology, Zhenjiang First People's First Hospital, Jiangsu University, Zhenjiang, Zhenjiang, China

**15-9 Abstract 18-29**

**TO ISOLATE OR NOT TO ISOLATE: A PROSPECTIVE RANDOMIZED STUDY COMPARING STANDARD PULMONARY VEIN ISOLATION VS. ARRHYTHMOGENIC VEIN ISOLATION IN PAROXYSMAL ATRIAL FIBRILLATION**

S.Fichtner<sup>1</sup>, H.Estner<sup>1</sup>, M.Buchner<sup>1</sup>, S.Ammar<sup>1</sup>, T.Reents<sup>1</sup>, S.Kathan<sup>1</sup>, C.Jilek<sup>1</sup>, J.Wu<sup>1</sup>, G. Hessling<sup>1</sup>, I. Deisenhofer<sup>1</sup>

<sup>1</sup> Deutsches Herzzentrum Munchen, Technische Universitat Munchen, Munich, Germany

**15-10 Abstract 18-21**

**LOWER HEPARIN DOSES ARE REQUIRED TO ACHIEVE THERAPEUTIC**

**ANTICOAGULATION IN PATIENTS UNDERGOING CATHETER ABLATION FOR ATRIAL FIBRILLATION ON UNINTERRUPTED WARFARIN**

Stephen Page<sup>1</sup>, Emily Cantor<sup>1</sup>, Simon Sporton<sup>1</sup>, Mehul Dhinoja<sup>1</sup>, Mark Earley<sup>1</sup>, Richard Schilling<sup>1</sup>

<sup>1</sup> *St Bartholomew's Hospital, London, United Kingdom*

**15-11 Abstract 29-12**

**COX MAZE III SURGERY FOR ATRIAL FIBRILLATION - STILL A GOOD CHOICE**

Birgitta Johansson<sup>1</sup>, Eva Berglin<sup>2</sup>, Oskar Vaart<sup>2</sup>, Henrik Scherstén<sup>2</sup>, Britta Nystrom<sup>3</sup>, Nils Edvardsson<sup>3</sup>, Thomas Karlsson<sup>4</sup>

<sup>1</sup> *Department of Internal Medicine, Sahlgrenska University Hospital/Ostra, Gothenburg, Sweden,* <sup>2</sup> *Department of Cardiothoracic Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden,* <sup>3</sup> *Sahlgrenska Academy at Sahlgrenska University Hospital, Gothenburg, Sweden,* <sup>4</sup> *Department of Cardiology, Sahlgrenska University Hospital, Gothenburg, Sweden*

**15-12 Abstract 18-13**

**ATRIAL TACHYCARDIA TERMINATION BY ABLATION ALONE IS ASSOCIATED WITH AN IMPROVED CLINICAL OUTCOME IN PATIENTS WITH PERSISTENT ATRIAL FIBRILLATION UNDERGOING CATHETER ABLATION**

Genqing Zhou<sup>1</sup>, Songwen Chen<sup>1</sup>, Gang Chen<sup>1</sup>, Yong Wei<sup>1</sup>, Shaowen Liu<sup>1</sup>

<sup>1</sup> *Department of Cardiology, Shanghai First People's Hospital, Shanghai Jiaotong University, Shanghai, China*

**15-13 Abstract 18-12**

**ATRIAL FIBRILLATION ABLATION WITH CRYO-BALLOON TECHNOLOGY 3 D ECHO GUIDED APPROACH**

Luca Ottaviano<sup>1</sup>, Alda Bregasi<sup>2</sup>, Nicola Bruno<sup>2</sup>, Andrea Antonelli<sup>2</sup>, A.T.Ali Alsheraei<sup>2</sup>, Daria Massa<sup>2</sup>, Edoardo Gronda<sup>2</sup>, Francesco Donatelli<sup>2</sup>, Anna Maria Porrini<sup>2</sup>, Annibale Sandro Montenero<sup>1</sup>.

<sup>1</sup> *IRCCS Multimedica, Sesto S. Giovanni, Italy,* <sup>2</sup> *IRCCS Multimedica, Sesto S. Giovanni, Italy*

**15-14 Abstract 28-10**

**THREE-DIMENSIONAL TRANSESOPHAGEAL ECHOCARDIOGRAPHIC IMAGING AS A NOVEL TOOL TO GUIDE THE CRYOBALLOON ABLATION OF ATRIAL FIBRILLATION.**

Luca Ottaviano<sup>1</sup>, Alda Bregasi<sup>1</sup>, Nicola Bruno<sup>1</sup>, Andrea Antonelli<sup>1</sup>, A.T.Ali Alsheraei<sup>1</sup>, Daria Massa<sup>1</sup>, Edoardo Gronda<sup>1</sup>, Francesco Donatelli<sup>1</sup>, Anna Maria Porrini<sup>1</sup>, Annibale Sandro Montenero<sup>1</sup>

<sup>1</sup> *IRCCS Multimedica, Sesto S. Giovanni, Milan, Italy*

**15-15 Abstract 18-35**

**COMPARISON BETWEEN STANDARD MONITORING AND DIAPHRAGMATIC ELECTROMYOGRAPHY FOR THE PREVENTION OF PHRENIC NERVE PALSY DURING PULMONARY VEIN ISOLATION WITH A NOVEL CRYOBALLOON CATHETER**

Jason Andrade<sup>1</sup>, Marc Dubuc<sup>1</sup>, Peter Guerra<sup>1</sup>, Evelyn Landry<sup>1</sup>, Léna Rivard<sup>1</sup>, Laurent Macle<sup>1</sup>, Bernard Thibault<sup>1</sup>, Mario Talajic<sup>1</sup>, Denis Roy<sup>1</sup>, Paul Khairy<sup>1</sup>, Jose Ferreira<sup>2</sup>, Nicolas Coulombe<sup>3</sup>, Frédéric Franceschi<sup>4</sup>

<sup>1</sup> *Montreal Heart Institute, Montreal, Canada,* <sup>2</sup> *Hôpital Maisonneuve-Rosemont, Montreal, Canada,* <sup>3</sup> *Medtronic CryoCath, Pointe-Claire, Canada,* <sup>4</sup> *Hopital La Timone, Marseille, Canada*

## **FRIDAY, APRIL 20, 2012**

**3:30 PM- 4:00 PM**

**COFFEE BREAK**

## **FRIDAY, APRIL 20, 2012**

**4:00 PM- 5:30 PM**

**ROOM KONIGSSAAL**

### **DEBATE 1**

#### **Radiofrequency is still the best energy source for AF ablation**

Chairpersons: Ellen Hoffmann ( Munich, DE), Dubravko Petrac (Zagreb, HR)

**Protagonist:** Riccardo Cappato (Milan, IT)

**Antagonist :** Prapa Kanagaratnam (London, GB)

Rebuttal and Conclusion

### **DEBATE 2**

#### **Left atrial ablation to cure AF in heart failure is an established intervention**

Chairpersons: Stephan Willems (Hamburg, DE), David Wilber (Chicago, USA)

**Protagonist:** Méléze Hocini (Bordeaux, FR)

**Antagonist:** Gerald Naccarelli (Hershey, USA)

Rebuttal and Conclusion

## **FRIDAY, APRIL 20, 2012**

**4:00 PM- 5:30 PM**

**ROOM FURSTENSALON**

### **SESSION - HD-02**

#### **Atrial and ventricular tachyarrhythmias in non-ischemic cardiomyopathy**

Chairpersons: Ernst Vester (Düsseldorf, DE), Berndt Lüderitz (Bonn, DE)

- 1. Atrial arrhythmias in dilated cardiomyopathy: characteristics and management**  
Denis Roy (Montreal, CA)
- 2. Mechanisms and management of ventricular arrhythmias in dilated cardiomyopathy**  
Mark Estes III (Boston, USA)
- 3. Mechanisms and management of ventricular arrhythmias in HCM**  
Martin Borggreffe (Manheim, DE)
- 4. Indications of ICD with and without resynchronization therapy**  
Bruce Lindsay (Cleveland, USA)

## **FRIDAY, APRIL 20, 2012**

**4:00 PM -5:30 PM**

**ROOM GELBERSALON**

### **SESSION AB-02**

## **Catheter ablation of supraventricular tachycardias**

Chairpersons: John Fisher (New-York, USA), Andrey Ardashev (Moscow, RU)

- 1. Mechanism of supraventricular tachycardias as derived from the surface ECG**  
Melvin Scheinman (San Francisco, USA)
- 2. Ablation of accessory atrioventricular connections**  
Warren Jackman (Oklahoma, City, USA)
- 3. Ablation of atrioventricular nodal re-entrant tachycardias**  
Shaowen Liu (Shangai, CN)
- 4. When modern mapping techniques and remote navigation are useful?**  
Annibale Sandro Montenero (Milan, IT)

**FRIDAY, APRIL 20, 2012**

**4:00 PM -5:30 PM**

**ROOM MONTGELASSAAL**

### **SYMPOSIUM – SP-03**

#### **Epicardial Mapping and ablation: Technique, indications and Complications**

Chairpersons: Richard Schilling (London, GB), Martin Martinek (Linz, AT)

- 1. Technique of epicardial mapping and epicardial ablation**  
David Lin (Philadelphia, USA)
- 2. When epicardial ablation is needed for ventricular tachycardias?**  
Dietmar Baensch (Rostock, DE)
- 3. When epicardial ablation is needed for supraventricular tachycardias?**  
Andrea Natale (Austin, USA)
- 4. Complications related to epicardial mapping and ablation**  
Richard Schilling (London, GB)

**FRIDAY, APRIL 20, 2012**

**4:00 PM- 5:30 PM**

**ROOM PALAISHALLE**

*Posters exposed from 02:00 PM - 05:30 PM*

*Presenters and chairpersons present from 04:00 PM - 05:30 PM*

### **CHAired POSTER SESSION B – PART 2**

#### **Atrial fibrillation catheter ablation: evaluating current results**

**16-1 Abstract 18-30**

#### **CIRCUMFERENTIAL VERSUS SEGMENTAL PULMONARY VEIN ISOLATION IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**

Stephanie Fichtner <sup>1</sup>, Tilko Reents <sup>1</sup>, Sonia Ammar <sup>1</sup>, Heribert Pavaci <sup>1</sup>, Clemens Jilek <sup>1</sup>,

Susanne Kathan<sup>1</sup>, Gabriele Hessling<sup>1</sup>, Isabel Deisenhofer<sup>1</sup>  
<sup>1</sup> *Deutsches Herzzentrum Munchen, Munchen, Germany*

**16-2 Abstract 18-52**

**OUTCOME OF CRYOBALLOON ABLATION FOR ATRIAL FIBRILLATION IN PATIENTS WITH PERMANENT PACEMAKERS**

Florian Straube<sup>1</sup>, Uwe Dorwarth<sup>1</sup>, Martin Schmidt<sup>1</sup>, Michael Wankerl<sup>1</sup>, Hans-Jurgen Krieg<sup>1</sup>, Ellen Hoffmann<sup>1</sup>

<sup>1</sup> *Klinikum Bogenhausen, Kardiologie, Stadt. Klinikum Munchen, Munchen, Germany*

**16-3 Abstract 18-17**

**ARE TSPS ASSOCIATED WITH MIGRAINE? A CASE-CONTROL STUDY**

Vinit Sawhney<sup>1</sup>, Joanna Tenkorang<sup>1</sup>, Aaisha Opel<sup>1</sup>, Glyn Thomas<sup>1</sup>, Mehul Dhinoja<sup>1</sup>, Dominic Abrams<sup>1</sup>, Mark Earley<sup>1</sup>, Simon Sporton<sup>1</sup>, Richard Schilling<sup>1</sup>

<sup>1</sup> *St Bartholomew's Hospital, London, United Kingdom*

**16-4 Abstract 18-38**

**HRV AND PROCEDURAL OUTCOME IN CATHETER ABLATION FOR ATRIAL FIBRILLATION**

Geoffrey EJ Seaborn<sup>2</sup>, Keith Todd<sup>2</sup>, Kevin Michael<sup>2</sup>, Adrian Baranchuk<sup>2</sup>, Hoshiar Abdollah<sup>2</sup>, Christopher Simpson<sup>2</sup>, Damian Redfearn<sup>2</sup>, Lorne Gula<sup>3</sup>, Allan Skanes<sup>3</sup>

<sup>2</sup> *Kingston General Hospital, Kingston, Canada*, <sup>3</sup> *London Cardiac Institute, London, Canada*

**16-5 Abstract 18-46**

**LINEAR ABLATION AT THE LEFT ATRIAL ROOF AND OUTCOMES OF PAROXYSMAL AF ABLATION**

Julian W.E. Jarman<sup>1</sup>, Preya J. Patel<sup>1</sup>, Dimitrios N. Lysitsas<sup>1</sup>, Andy Kontogeorgis<sup>1</sup>, James A. Richardson<sup>1</sup>, Tom Wong<sup>1</sup>, Vias Markides<sup>1</sup>, Wajid Hussain<sup>1</sup>

<sup>1</sup> *Royal Brompton Hospital, London, United Kingdom*

**16-6 Abstract 15-71**

**ATRIAL FIBRILLATION REABLATION: AN EFFICIENT AND SAVE PROCEDURE**

Galvao Santos<sup>1</sup>, Pedro Adragao<sup>1</sup>, Pedro Cavaco<sup>1</sup>, Diogo Reis Santos<sup>1</sup>, Katya Parreira<sup>1</sup>, Leonor Carmo<sup>1</sup>, Pedro Costa Francisco<sup>1</sup>, Cabrita David<sup>1</sup>, Francisco Raquel<sup>1</sup>, Mariana Sylvie<sup>1</sup>, Marques Marta<sup>1</sup>, Abecasis Miguel<sup>1</sup>

<sup>1</sup> *Hospital de Santa Cruz, Lisbon, Portugal*

**16-7 Abstract 15-10**

**COMPARISON OF THE CATHETER ABLATION VS. RATE-CONTROL STRATEGY IN PATIENTS WITH LONG-LASTING PERSISTENT ATRIAL FIBRILLATION: RESULTS OF FIVE YEARS OF FOLLOW UP**

Ardashev Andrey<sup>1</sup>, Zhelyakov Evgeny<sup>1</sup>, Konev Aleksey<sup>1</sup>, Rybachenko Maksim<sup>1</sup>, Duplyakov Dmitry<sup>2</sup>, Skuratova Maria<sup>3</sup>, Golovina Galina<sup>4</sup>, Belenkov Yury<sup>5</sup>

<sup>1</sup> *83 Clinical Hospital of FMBA, Moscow, Russia*, <sup>2</sup> *Samara State University, Samara, Russia*, <sup>3</sup> *Pirogov City Clinical Hospital, Samara, Russia*, <sup>4</sup> *Samara Medical and Clinical Center of FMBA, Samara, Russia*, <sup>5</sup> *Moscow State University, Moscow, Russia*

**16-8 Abstract 15-46**

**IMPACT OF DIFFERENT SUPRA-VENTRICULAR ARRHYTHMIAS ON HEALTH-RELATED QUALITY OF LIFE IN PATIENTS REFERRED FOR SUBSTRATE ABLATION.**

Antonio Sorgente<sup>1</sup>, Cristian Ricci<sup>1</sup>, Pierpaolo Lupo<sup>1</sup>, Mario Pittalis<sup>1</sup>, Sara Foresti<sup>1</sup>, Hussam Ali<sup>1</sup>, Guido De Ambroggi<sup>1</sup>, Tommaso Infusino<sup>1</sup>, Luigi De Ambroggi<sup>1</sup>, Riccardo Cappato<sup>1</sup>

<sup>1</sup> *IRCCS Policlinico San Donato, San Donato Milanese, Milan, Italy*

**16-9 Abstract 15-58**

**LEFT ATRIAL ABLATION COMBINED WITH AV NODE ABLATION IS SUPERIOR TO AV**

**NODE ABLATION ALONE IN LONG-STANDING PERSISTENT ATRIAL FIBRILLATION PATIENTS - A PROSPECTIVE SINGLE BLIND RANDOMISED TRIAL.**

Steven Podd<sup>1</sup>, Neil Sulke<sup>1</sup>, Rick Veasey<sup>1</sup>, Jet van Zalen<sup>1</sup>, Stephen Furniss<sup>1</sup>  
<sup>1</sup> Eastbourne General Hospital, Eastbourne, United Kingdom

**16-10 Abstract 18-45**

**A PROSPECTIVE RANDOMISED 1 YEAR DEVICE HOLTER FOLLOW-UP TRIAL IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION: PHASED MULTIPOLAR RF PULMONARY VEIN ABLATION CATHETER (PVAC™) PVI IS AS EFFECTIVE AND SAFE AS CONVENTIONAL LASSO GUIDED IRRIGATED RF POINT TO POINT**

Steven Podd<sup>1</sup>, Neil Sulke<sup>1</sup>, Dennis Caulfield<sup>1</sup>, Senthil Kirubakaran<sup>1</sup>, Conn Sugihara<sup>1</sup>, Stephen Furniss<sup>1</sup>  
<sup>1</sup> Eastbourne General Hospital, Eastbourne, United Kingdom

**16-11 Abstract 15-22**

**PATIENT ACCEPTABILITY OF AF ABLATION THERAPY WITH CONSCIOUS SEDATION**

Mark Ainslie<sup>1</sup>, Laura Moncreiffe<sup>1</sup>, Sheila Grecian<sup>1</sup>, James Foley<sup>1</sup>, Benjamin Brown<sup>1</sup>, Neil Davidson<sup>1</sup>, David Fox<sup>1</sup>  
<sup>1</sup> University Hospital Of South Manchester, Manchester, United Kingdom

**16-12 Abstract 18-36**

**CLINICAL EXPERIENCE WITH ROUTINE USE OF SAFESEPT J-SHAPED GUIDEWIRE FOR TRANSSEPTAL PUNCTURE**

Avishag Laish-Farkash<sup>1</sup>, Amos Katz<sup>1</sup>, Fishman Evgeny<sup>1</sup>, Chaim Yosefi<sup>1</sup>, Sharon Cohen<sup>1</sup>, Irina Tcherniavsky<sup>1</sup>, Vladimir Khalameizer<sup>1</sup>  
<sup>1</sup> Barzilai Medical Center, Ben Gurion University of the Negev, Ashkelon, Israel

**16-14 Abstract 15-65**

**CHANGE IN ATRIAL FIBRILLATION EPISODE ONSET MECHANISMS PRIOR TO AND FOLLOWING LEFT ATRIAL ABLATION**

Rick Veasey<sup>1</sup>, Steven Podd<sup>1</sup>, John Silberbauer<sup>1</sup>, Stephen Furniss<sup>1</sup>, Neil Sulke<sup>1</sup>  
<sup>1</sup> Eastbourne General Hospital, Eastbourne, United Kingdom

**16-15 Abstract 15-67**

**CONTACT FORCE DATA IMPROVES THE EFFICACY OF ACUTE PULMONARY VEIN ISOLATION**

Shouvik Haldar<sup>1</sup>, Julian Jarman<sup>1</sup>, David Jones<sup>1</sup>, Sandeep Panikker<sup>1</sup>, Wajid Hussain<sup>1</sup>, Tushar Salukhe<sup>1</sup>, Vias Markides<sup>1</sup>, Tom Wong<sup>1</sup>  
<sup>1</sup> Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom

**16-16 Abstract 08-10**

**SUSCEPTIBILITY TO ATRIAL AND VENTRICULAR ARRHYTHMIAS IN PATIENTS WITH TYPE I MYOTONIC DYSTROPHY.**

Guido De Ambroggi<sup>1</sup>, Valeria Sansone<sup>1</sup>, Hussam Ali<sup>1</sup>, Tommaso Infusino<sup>1</sup>, Sara Foresti<sup>1</sup>, Antonio Sorgente<sup>1</sup>, Mario Pittalis<sup>1</sup>, Pierpaolo Lupo<sup>1</sup>, Giovanni Meola<sup>2</sup>, Riccardo Cappato<sup>3</sup>  
<sup>1</sup> IRCCS Policlinico San Donato, San Donato, Italy, <sup>2</sup> Neurology Department, IRCCS Policlinico San Donato, San Donato, Italy, <sup>3</sup> Electrophysiology Department, IRCCS Policlinico San Donato, San Donato, Italy

**FRIDAY, APRIL 20, 2012**

**5:30 PM - 6:00 PM**

**ROOM KONIGSSAAL**

**The Philippe Coumel lecture**

**Early Repolarization Syndrome - myth or reality?**

*By*

***Martin Borggreffe (Mannheim, DE)***

**FRIDAY, APRIL 20, 2012**

**6:00 PM - 7:00 PM**

**ROOM KONIGSSAAL**

**Opening ceremony**

During the Opening Ceremony Chaired by

Gerhard Steinbeck (Munich, DE) and Samuel Lévy (Marseille, FR)

Address of Stefan Kaab Congress Chairman

Address of Riccardo Cappato (Milan, IT) President ECAS

Outstanding Achievement Awards

Presented by Riccardo Cappato (Milan, IT) President ECAS

Stefan Kaab Congress Chairman

And Ellen Hofmann (Munich, DE), chairman of the Program Committee

**Followed by a cocktail Reception for all participants**

## **SATURDAY APRIL 21, 2012**

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

**ROOM KONIGSSAAL**

### **SYMPOSIUM – SP-04**

#### **Recent advances in out of hospital cardiac arrest**

Chairpersons: David Benditt (Minneapolis, USA), Hendrik Bonnemeier (Lubeck, DE)

- 1. System-based approach to cardiac arrest**  
Keith Lurie (Minneapolis, USA)
- 2. A critical review on the use of AEDs**  
Hans-Joachim Trappe (Bochum, DE)
- 3. Cardiac arrest resuscitation centers: The importance of post-resuscitation care**  
TBA
- 4. Resuscitation in the 21<sup>st</sup> Century: Use of vasodilator therapy and post-conditioning**  
Demetris Yannopoulos (Minneapolis, USA)

## **SATURDAY APRIL 21, 2012**

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

**ROOM FURSTENSALON**

### **SESSION-HD-03**

#### **Arrhythmias and Heart Disease – Lessons learned from Basic Science**

Chairpersons: Ulrich Schotten (Maastricht, NL), Patrick Ellinor (Boston, USA)

- 1. Endurance exercise training and risks of arrhythmias**  
Begona Benito (Barcelona, ES)
- 2. Role of vagal AF - What did we learn from basic science?**  
Patrick Schauerte (Aachen, DE)
- 3. Abnormalities of cellular Ca<sup>2+</sup> handling causing ventricular and atrial arrhythmias - Similarities and differences**  
Reza Wakili (Munich, DE)
- 4. CRT-Therapy - Reverse Remodeling on the cellular level**  
Gordon Tomaselli (Baltimore, USA)

## **SATURDAY APRIL 21, 2012**

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

**ROOM GELBERSALON**

### **SESSION-AB-03**

#### **Ablation of Atrial Fibrillation - the initial procedure**

Chairpersons: Antonio Raviele (Venice, IT); Luc De Roy (Brussels, BE)

- 1. Does the initial rhythm and the history of AF matter?**  
Lena Rivard (Montreal, CAN)
- 2. The role of CFAE (Complex Fractionated Atrial Electrogram)**  
Koonlawee Nademanee (Inglewood, USA)
- 3. What should be the endpoint of the first procedure?**  
Stephan Willems (Hamburg, DE)
- 4. MRI pre Ablation - Benefit or Toy?**  
James Harrison (London, GB)

## **SATURDAY APRIL 21, 2012**

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

**ROOM MONTGELASSAAL**

### **WORKSHOP-WS-04**

#### **Pacemaker ICD and CRT ECG interpretation: Case studies**

Chairpersons: Eli Ovsyshcher (Beer Sheba, IL), Carsten Israel (Bielefeld, DE)

- 1. Case Study 1**  
Bruce Wilkoff (Chicago, USA)
- 2. Case Study 2**  
Bengt Herweg (Tampa, USA)
- 3. Case study 3**  
Eli Ovsyshcher (Beer Sheba, IL)/Carsten Israel (Bielefeld, DE)

## **SATURDAY APRIL 21, 2012**

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

**ROOM PALAISHALLE**

*Posters exposed from 8:30 AM - 12:00 PM*

*Presenters and chairpersons present from 09:00 AM - 10:30 AM*

### **CHAired POSTER SESSION C - PART 1**

#### **Catheter ablation of arrhythmias atrial fibrillation excluded**

**17-1 Abstract 13-10**

**EXPERIENCE OF CATHETER ABLATION OF ATRIOFASCICULAR TRACTS**

Roman Marchenko <sup>1</sup>, Sergey Durmanov <sup>1</sup>, Alexander Kozlov <sup>1</sup>, Natalia Makarova <sup>1</sup>, Dmitry Maksimov <sup>1</sup>, Roman Morozov <sup>1</sup>

<sup>1</sup> *Federal Hospital of Cardiovascular Surgery, Penza, Russia*

**17-2 Abstract 12-10**

**UNCOMMON AV NODAL TACHYCARDIAS ARE NOT MORE DIFFICULT TO ABLATE THAN COMMON FORMS**

Philippe Purnode <sup>1</sup>, Fabien Dormal <sup>1</sup>, Dominique Blommaert <sup>1</sup>, Elisabeth Ballant <sup>1</sup>, Olivier Xhaet <sup>1</sup>, Olivier Deceuninck <sup>1</sup>, Véronique Godeaux <sup>1</sup>, Benoît Collet <sup>1</sup>, Luc De Roy <sup>1</sup>

<sup>1</sup> *Cliniques Universitaires UCL Mont-Godinne, Louvain, Belgium*

**17-3 Abstract 28-13**

**NONINVASIVE BEAT-TO-BEAT EPICARDIAL AND ENDOCARDIAL MAPPING FOR PATIENTS WITH VENTRICULAR ARRHYTHMIAS**

Michail Chmelevsky <sup>1</sup>, Dmytry Lebedev <sup>1</sup>, Tatjana Treshkour <sup>1</sup>, Stepan Zubarev <sup>1</sup>, Evgeny Shlyakhto <sup>1</sup>

<sup>1</sup> *Almazov Federal Heart, Blood and Endocrinology Centre, St. Petersburg, Russia*

**17-4 Abstract 13-11**

**CATHETER ABLATION OF LEFT SIDE ACCESSORY PATHWAYS: COMPARISON OF TRANSEPTAL APPROACH AND RETROGRADE TRANSAORTIC APPROACH**

Abdeddayem Haggui <sup>1</sup>, Rana Dahmani <sup>1</sup>, Mohamed Saleh Annabi <sup>1</sup>, Nizar Ben Mansour <sup>1</sup>, Nadhem Hajlaoui <sup>1</sup>, Imene Saïdi <sup>1</sup>, Houida Mahfoudhi <sup>1</sup>, Mehdi Gommidh <sup>1</sup>, Thouraya Filali <sup>1</sup>, Dhaker Lahidheb <sup>1</sup>, Wafa Fehri <sup>1</sup>, Habib Haouala <sup>1</sup>

<sup>1</sup> *Military Hospital of Tunis, Tunis, Tunisia*

**17-5 Abstract 17-18**

**GENERAL ANAESTHESIA AND MONOMORPHIC VENTRICULAR TACHYCARDIA**

Preya J. Patel <sup>1</sup>, Julian W.E. Jarman <sup>1</sup>, Sabine Ernst <sup>1</sup>

<sup>1</sup> *Royal Brompton Hospital, London, United Kingdom*

**17-6 Abstract 18-16**

**MYOCARDIAL MARKER RELEASE IS REDUCED IN REDO COMPARED TO DE NOVO AF ABLATION**

Peter Schuster <sup>1</sup>, Jian Chen <sup>1</sup>, Alessandro de Bortoli <sup>1</sup>, Sun Lizhi <sup>1</sup>, Jon Herstad <sup>1</sup>, Eivind Solheim <sup>1</sup>, Per Ivar Hoff <sup>1</sup>

<sup>1</sup> *Institute of Internal Medicine and Department of Heart Disease, University of Bergen and Haukeland University Hospital, Bergen, Norway*

**17-7 Abstract 28-16**

**ELECTROANATOMICAL AV NODE MAPPING AND CRYOABLATION OF PARAHISIAN EXTRASYSTOLES**

Grigorios Katsouras <sup>1</sup>, Massimo Grimaldi <sup>1</sup>, Marianna Sgueglia <sup>1</sup>, Tommaso Langialonga <sup>1</sup>, Antonella Petruzzellis <sup>2</sup>

<sup>1</sup> *Cardiology Clinic, F. Miulli Hospital, Acquaviva delle Fonti, Italy*, <sup>2</sup> *Neurology Clinic, F. Miulli Hospital, Acquaviva delle Fonti, Italy*

**17-8 Abstract 18-15**

**RADIOFREQUENCY CATHETER ABLATION OF ISCHAEMIC VENTRICULAR TACHYCARDIA USING THE HANSEN SENSEI® X ROBOTIC CATHETER SYSTEM**

Shahnaz Jamil-Copley <sup>1</sup>, Pipin Kojodjojo <sup>1</sup>, Michael Koa-Wing <sup>1</sup>, Boon Lim <sup>1</sup>, Zachary Whinnett <sup>1</sup>, Sajad Hayat <sup>1</sup>, Louisa Malcolm-Lawes <sup>1</sup>, Peters Nicholas <sup>1</sup>, Wyn Davies <sup>1</sup>

Prapa Kanagaratnam <sup>1</sup>

<sup>1</sup> *St.Mary's Hospital, Imperial College Healthcare NHS Trust, London, United Kingdom*

## **Problems related to devices and leads**

### **17-9 Abstract 23-11**

#### **SERIAL CHANGE OF STIMULATION THRESHOLD OF VENTRICULAR SCREW-IN LEADS DURING IMPLANTATION PROCEDURE AND ITS RELATIONSHIP TO THE CHRONIC STIMULATION THRESHOLD**

Eiichiro Nakagawa <sup>1</sup>, Chiharu Tanaka <sup>1</sup>, Hiroaki Matsumi <sup>1</sup>, Kazuki Mizutani <sup>1</sup>, Kazato Ito <sup>1</sup>, Makoto Ito <sup>1</sup>, Kei Yunoki <sup>1</sup>, Yukio Abe <sup>1</sup>, Ryuji Komatsu <sup>1</sup>, Takahiko Naruko <sup>1</sup>, Akira Itoh <sup>1</sup>

<sup>1</sup> *Osaka City General Hospital, Osaka, Japan*

### **17-10 Abstract 23-23**

#### **ENDOCARDIAL LEADS MUTUAL ABRASIONS – IMPORTANT FINDINGS AMONG EXPLANTED LEADS**

Andrzej Kutarski <sup>1</sup>, Barbara Malecka <sup>2</sup>, Agnieszka Kolodzinska <sup>3</sup>

<sup>1</sup> *Dept of Cardiology Medical University of Lublin, Lublin, Poland,* <sup>2</sup> *Dept. of Electrophysiology of Jagiellonian University of Cracow Poland, Crakow, Poland,* <sup>3</sup> *1st Dept of Cardiology, Medical University of Warsaw, Warsaw, Poland*

### **17-11 Abstract 23-16**

#### **CLINICAL SIGNIFICANCE OF PERSISTENT LEFT SUPERIOR VENA CAVA IN PATIENTS UNDERGOING CARDIAC DEVICE IMPLANTATION**

Dubravko Petrac <sup>1</sup>, Vjekoslav Radeljic <sup>1</sup>, Nikola Pavlovic <sup>1</sup>, Diana Delic Brkljadic <sup>1</sup>, Sime Manola <sup>1</sup>, Borki Vucetic <sup>1</sup>, Dusko Hamel <sup>1</sup>

<sup>1</sup> *Sestre Milosrdnice University Hospital, Zagreb, Croatia*

## **Advances in Cardiac Pacing**

### **17-12 Abstract 23-10**

#### **PREDICTORS OF MODE SWITCHING DURING A LONG-TERM FOLLOW-UP OF VDD PACING SYSTEMS**

Ana Lebreiro <sup>1</sup>, Maria Julia Maciel <sup>1</sup>, Luis Borrego <sup>2</sup>, José Manuel Aguirre <sup>2</sup>, Juan Gonzalez Ferrer <sup>2</sup>, Moisés Pulido <sup>2</sup>, Javier Moreno <sup>2</sup>, Nicasio Perez-Castellano <sup>2</sup>, Julian Perez-Villacastin <sup>2</sup>

<sup>1</sup> *Hospital Sao Joao, Porto, Portugal,* <sup>2</sup> *Hospital Clinico San Carlos, Madrid, Spain*

### **17-13 Abstract 23-14**

#### **THE PREDICTOR FOR ATRIAL PACING DEPENDENCY AND NEED FOR RATE RESPONSE FUNCTION IN PATIENTS WITH HEART BLOCK**

Chikashi Suga <sup>1</sup>, Taishi Hirahara <sup>1</sup>, Yoshitaka Sugawara <sup>1</sup>, Jun Nakajima <sup>1</sup>, Harumi Wakaba <sup>1</sup>, Junya Ako <sup>1</sup>, Shin-ichi Momomura <sup>1</sup>, Chikashi Suga <sup>1</sup>

<sup>1</sup> *Jichi Medical University Saitama Medical Center, Saitama, Japan*

### **17-14 Abstract 23-18**

#### **UPGRADE OF LONG TERM VVI TO PHYSIOLOGIC PACING MAY NOT BE TOLERATED**

Hayam El-damhoury <sup>1</sup>, Osama Diab <sup>1</sup>

<sup>1</sup> *Ain Shams University, Cairo, Egypt*

### **17-15 Abstract 12-11**

#### **ATRIAL PREEXCITATION AND A FIXED S-A INTERVAL IN RELATION TO THE FUSION ZONE ARE SUPERIOR TO PPI-TCL IN IDENTIFYING SVT MECHANISM**

Amir AbdelWahab <sup>1</sup>, Magdy AbdelHamid <sup>1</sup>, Mohamed Shafiq <sup>2</sup>, Yasser AbdelHady <sup>2</sup>

<sup>1</sup> *Cardiology Department, Cairo University, Cairo, Egypt,* <sup>2</sup> *Cardiology Department, Beni-Suef University, Beni-Suef, Egypt*

## **SATURDAY APRIL 21, 2012**

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

**COFFEE BREAK**

## **SATURDAY APRIL 21, 2012**

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

**ROOM KONIGSSAAL**

### **ABSTRACT ORAL SESSION 5**

#### **Catheter ablation of atrial fibrillation II**

##### **5-1 Abstract 18-57**

#### **DOES SLOW PATHWAY ABLATION ALONE “CURE” ATRIAL FIBRILLATION IN PATIENTS WITH AVNRT AND PAROXYSMAL ATRIAL FIBRILLATION? PRELIMINARY RESULTS FROM A MULTICENTER STUDY**

Luigi Di Biase<sup>1</sup>, Rong Bai<sup>1</sup>, Pasquale Santangeli<sup>1</sup>, Prasant Mohanty<sup>1</sup>, Sanghamitra Mohanty<sup>1</sup>, Agnes Pump<sup>1</sup>, Barbara Thomas<sup>1</sup>, Tami Metz<sup>1</sup>, Greg Gilbert<sup>1</sup>, Greg Gilbert<sup>1</sup>, Rachel (Xue) Yan<sup>1</sup>, Salwa Beheiry<sup>1</sup>, Richard Hongo<sup>1</sup>, J.David Burkhardt<sup>1</sup>, Javier E. Sanchez<sup>1</sup>, Andrea Natale<sup>1</sup>

<sup>1</sup> *Texas Cardiac Arrhythmia Institute at St David's Medical Center, Austin, United States*

##### **5-2 Abstract 18-49**

#### **THE INITIAL CLINICAL EXPERIENCE WITH A DIAPHRAGMATIC ELECTROMYOGRAPHIC-GUIDED APPROACH TO MONITORING PHRENIC NERVE INTEGRITY DURING CRYOBALLOON-BASED ATRIAL FIBRILLATION ABLATION**

Blandine Mondesert<sup>1</sup>, Jason Andrade<sup>1</sup>, Denis Roy<sup>1</sup>, Peter Guerra<sup>1</sup>, Laurent Macle<sup>1</sup>, Mario Talajic<sup>1</sup>, Bernard Thibault<sup>1</sup>, Léna Rivard<sup>1</sup>, Paul Khairy<sup>1</sup>, Marc Dubuc<sup>1</sup>

<sup>1</sup> *Montreal Heart Institute, Montreal, Canada*

##### **5-3 Abstract 18-11**

#### **AUTOMATED ANALYSIS OF ATRIAL DELAYED-ENHANCEMENT CARDIAC MRI CORRELATES WITH ENDOCARDIAL VOLTAGE**

Louisa Malcolm-Lawes<sup>1</sup>, Christoph Juli<sup>1</sup>, Rashed Karim<sup>1</sup>, Wenjia Bai<sup>1</sup>, Rebecca Quest<sup>1</sup>, Phang Boon Lim<sup>1</sup>, Shahnaz Jamil-Copley<sup>1</sup>, Pipin Kojodjojo<sup>1</sup>, Ben Ariff<sup>1</sup>, D Wyn Davies<sup>1</sup>, Daniel Rueckert<sup>1</sup>, Prapa Kanagaratnam<sup>1</sup>, Nicholas S Peters<sup>1</sup>

<sup>1</sup> *Imperial College London, London, United Kingdom*

##### **5-4 Abstract 15-59**

#### **A PRELIMINARY REPORT OF THE LONG TERM OUTCOMES AFTER ATRIAL FIBRILLATION ABLATION (LETITIA STUDY)**

Nam Tran<sup>1</sup>, Pascale Gentil-Baron<sup>1</sup>, Chan-Il Park<sup>1</sup>, Haran Burri<sup>1</sup>, Henri Sunthorn<sup>1</sup>, Dipen Shah<sup>1</sup>

<sup>1</sup> *Cardiology Division, University Hospital of Geneva, Geneva, Switzerland*

##### **5-5 Abstract 15-69**

#### **IMPROVED OUTCOME FOLLOWING RESTORATION OF SINUS RHYTHM PRIOR TO CATHETER ABLATION OF PERSISTENT ATRIAL FIBRILLATION: A COMPARATIVE MULTICENTER STUDY**

Léna Rivard<sup>1</sup>, Paul Khairy<sup>1</sup>, Laurent Macle<sup>1</sup>, Stanley Nattel<sup>1</sup>, Méléze Hocini<sup>2</sup>, Andrei Forclaz<sup>2</sup>, Amir Jadidi<sup>2</sup>, Nick Linton<sup>2</sup>, Isabelle Nault<sup>2</sup>, Shinshuke Miyasaki<sup>2</sup>, Xingpeng Liu<sup>2</sup>, Olivier Xhaet<sup>2</sup>, Ashok Shah<sup>2</sup>, Frederic Sacher<sup>2</sup>, Nicolas Derval<sup>2</sup>, Pierre Jais<sup>2</sup>, Michel Haissaguerre<sup>2</sup>, Thomas Rostock<sup>3</sup>, Stephen Willems<sup>3</sup>, Bruno Cauchemez<sup>4</sup>

<sup>1</sup> *Montreal Heart Institute, Montreal, Canada*, <sup>2</sup> *Hopital Cardiologique du haut Leveque, Pessac, France*,

**5-6 Abstract 15-73**

**THE ACHIEVE™ CIRCULAR MAPPING CATHETER SIGNIFICANTLY REDUCES PROCEDURE DURATION AND FLUOROSCOPY TIME OF PULMONARY VEIN ISOLATION USING CRYOBALLOON TECHNIQUE**

Michael Peyrol<sup>1</sup>, Pascal Sbragia<sup>1</sup>, Morgan Orabona<sup>1</sup>, Anne-Claire Casalta<sup>1</sup>, Amandine Quatre<sup>1</sup>, Zinedine Zerrouk<sup>2</sup>, Gilles Boccard<sup>1</sup>, Maxime Guenoun<sup>1</sup>, Samuel Levy<sup>1</sup>, Franck Paganelli<sup>1</sup>

<sup>1</sup> Department of Cardiology, Centre Hospitalier Universitaire Nord, Marseille, France, <sup>2</sup> Department of Cardiology, Centre Hospitalier de Martigues, France

**SATURDAY APRIL 21, 2012**

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

**ROOM FURSTENSALON**

**ABSTRACT ORAL SESSION 6**

**Advances in cardiac resynchronization therapy I**

**6-1 Abstract 24-34**

**PREVALENCE OF VENTRICULAR ARRHYTHMIAS IN HEART FAILURE PATIENTS IMPLANTED WITH CRT-P WITHOUT A BACK-UP ICD**

Miriam Bortnik<sup>1</sup>, Anna Degiovanni<sup>1</sup>, Virginia Bolzani<sup>1</sup>, Gabriella Francalacci<sup>1</sup>, Andrea Magnani<sup>1</sup>, Eraldo Occhetta<sup>1</sup>, Paolo Marino<sup>1</sup>, Gabriele Dell'Era<sup>2</sup>

<sup>1</sup> Clinica Cardiologica, AOU Maggiore della Carità, Novara, Italy, <sup>2</sup> Struttura di Cardiologia, Ospedale Santo Spirito, Casale Monferrato, Italy

**6-2 Abstract 24-18**

**INFLUENCE OF CARDIAC RESYNCHRONIZATION THERAPY ON MITRAL REGURGITATION IN PATIENTS WITH CENTRAL AND ECCENTRIC RETROGRADE MITRAL BLOOD FLOW AND DIFFERENT MITRAL COAPTATION DEPTHS**

Roman Marchenko<sup>1</sup>, Sergey Durmanov<sup>1</sup>, Alexander Kozlov<sup>1</sup>, Natalia Makarova<sup>1</sup>, Dmitry Maksimov<sup>1</sup>, Roman Morozov<sup>1</sup>

<sup>1</sup> Federal Hospital of Cardiovascular Surgery, Penza, Russia

**6-3 Abstract 24-20**

**EFFICACY OF LEFT VENTRICULAR HIGH ENERGY PACING OUTPUT IN CARDIAC RESYNCHRONIZATION THERAPY**

Kohei Ishibashi<sup>1</sup>, Takashi Kubo<sup>1</sup>, Takashi Tanimoto<sup>1</sup>, Takashi Yamano<sup>1</sup>, Tomoyoshi Yamaguchi<sup>1</sup>, Yasushi Ino<sup>1</sup>, Kumiko Hirata<sup>1</sup>, Toshio Imanishi<sup>1</sup>, Takashi Akasaka<sup>1</sup>

<sup>1</sup> Wakayama medical university, Wakayama, Japan

**6-4 Abstract 24-24**

**INTERVENTRICULAR CONDUCTION DELAYS IN PATIENTS, DESIGNATED FOR CRT IN ATRIAL FIBRILLATION COMPARED TO SINUS RHYTHM**

Bruno Ismer<sup>1</sup>, Matthias Heinke<sup>2</sup>, Kirsten Rotter<sup>3</sup>, Frank Weber<sup>4</sup>, Juraj Melicherčík<sup>5</sup>

<sup>1</sup> Peter Osypka Institute for Pacing and Ablation, Offenburg University of Applied Sciences, Offenburg, Germany, <sup>2</sup> Friedrich-Schiller-University, Jena, Germany, <sup>3</sup> University of Rostock, Rostock, Germany, <sup>4</sup> Frankenwald Hospital Kronach, Kronach, Germany, <sup>5</sup> Mediclin Heartcenter Lahr, Lahr, Germany

**6-5 Abstract 24-17**

**REAL-TIME 3D ECHO FOR PREDICTING ACUTE RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY**

Vadim Kuznetsov<sup>1</sup>, Nikolay Melnikov<sup>1</sup>, Dmitriy Krinochkin<sup>1</sup>

<sup>1</sup> Tyumen Cardiology Center, Tyumen, Russia

**6-6 Abstract 24-25**

**SAFETY AND EFFICACY OF CORONARY SINUS LEAD EXTRACTION**

Luca Bontempi<sup>1</sup>, Manuel Cerini<sup>1</sup>, Alessandro Lipari<sup>1</sup>, Carlo Pagnoni<sup>1</sup>, Najat Ashofair<sup>1</sup>, Maria Grazia Mutti<sup>1</sup>, Maria Giulia Latini<sup>1</sup>, Francesca Salghetti<sup>1</sup>, Francesca Vassanelli<sup>1</sup>, Antonio Curnis<sup>1</sup>  
<sup>1</sup> Department and Chair of Cardiology, Civili Hospital and University of Brescia, Brescia, Italy

**SATURDAY APRIL 21, 2012**

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

**ROOM GELBERSALON**

**ABSTRACT ORAL SESSION 7**

**Arrhythmias development in patients with heart disease**

**7-1 Abstract 07-19**

**PREDICTION OF VENTRICULAR ARRHYTHMIAS BY QRS-FRAGMENTATION DETECTED WITH MAGNETIC FIELD IMAGING (MFI) AMONG PATIENTS WITH REDUCED LEFT VENTRICULAR EJECTION FRACTION**

Tobias Toennis<sup>1</sup>, Alessandro Cuneo<sup>1</sup>, Konstantinos Kyriazis<sup>1</sup>, Amaar Ujeyl<sup>1</sup>, Karl-Heinz Kuck<sup>1</sup>  
<sup>1</sup> Asklepios Hospital St. Georg, Hamburg, Germany

**7-2 Abstract 07-17**

**ARRHYTHMIC STORM IN PATIENTS WITH CARDIOVERTER-DEFIBRILLATOR. LONG-TERM CLINICAL IMPACT AND PROGNOSTIC SIGNIFICANCE**

Bruno Valente<sup>1</sup>, Mário Martins Oliveira<sup>1</sup>, Manuel Nogueira da Silva<sup>1</sup>, Pedro Silva Cunha<sup>1</sup>, Filipa Ferreira<sup>1</sup>, Joana Feliciano<sup>1</sup>, Hamad Hamad<sup>1</sup>, Sofia Santos<sup>1</sup>, Rui Cruz Ferreira<sup>1</sup>  
<sup>1</sup> Hospital de Santa Marta, Lisbon, Portugal

**7-3 Abstract 07-16**

**PERIPHERAL ARTERY DISEASE IS AN INDEPENDENT PREDICTOR OF MORTALITY AFTER IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR IMPLANTATION IN PATIENTS WITH SEVERE LEFT VENTRICULAR DYSFUNCTION.**

Deepa McGriff<sup>1</sup>, Linda Kallinen Retel<sup>1</sup>, Robert Hauser<sup>1</sup>  
<sup>1</sup> Minneapolis Heart Institute Foundation, Minneapolis, United States

**7-4 Abstract 07-18**

**ENDOMYOCARDIAL BIOPSY IS SAFE AND USEFUL IN UNMASKING UNDERLYING SUBSTRATE IN PATIENTS WITH ASPECIFIC CARDIOMYOPATHIES AND VENTRICULAR ARRHYTHMIAS**

Fabrizio Tundo<sup>1</sup>, Antonio Dello Russo<sup>1</sup>, Michela Casella<sup>1</sup>, Gaetano Fassini<sup>1</sup>, Stefania Riva<sup>1</sup>, Massimo Moltrasio<sup>1</sup>, Vittoria Marino<sup>1</sup>, Corrado Carbucichio<sup>1</sup>, Claudio Tondo<sup>1</sup>  
<sup>1</sup> Centro Cardiologico Monzino, Milano, Italy

**7-6 Abstract 07-10**

**RENAL IMPAIRMENT PREDICTS NEW ATRIAL FIBRILLATION IN PATIENTS WITH ISCHAEMIC CARDIOMYOPATHY**

Niall Campbell<sup>1</sup>, Emily Cantor<sup>1</sup>, Vinit Sawhney<sup>1</sup>, Ed Duncan<sup>1</sup>, Rebecca Lee<sup>1</sup>, Chiara De Martini<sup>1</sup>, Victoria Baker<sup>1</sup>, Mehul Dhinoja<sup>1</sup>, Mark Earley<sup>1</sup>, Simon Sporton<sup>1</sup>, Richard Schilling<sup>1</sup>  
<sup>1</sup> St Bartholomew's Hospital, Queen Mary University of London, London, United Kingdom

**SATURDAY APRIL 21, 2012**

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

## ROOM MONTGELASSAAL

### **ABSTRACT ORAL SESSION 8**

#### **Ventricular arrhythmias clinical significance and management**

##### **8-1 Abstract 18-20**

#### **EPICARDIAL CATHETER ABLATION FOR VENTRICULAR TACHYCARDIA IS SAFE IN HEPARINIZED PATIENTS.**

Stephen Page<sup>1</sup>, Edward Duncan<sup>1</sup>, Matthew Ginks<sup>1</sup>, Glynn Thomas<sup>1</sup>, Mark Earley<sup>1</sup>, Simon Sporton<sup>1</sup>, Mehul Dhinoja<sup>1</sup>, Richard Schilling<sup>1</sup>

<sup>1</sup> *St Bartholomew's Hospital, Barts and the London NHS Trust, London, United Kingdom*

##### **8-2 Abstract 18-47**

#### **ADVANTAGES OF A NOVEL SURROUND-FLOW IRRIGATED CATHETER FOR VENTRICULAR TACHYCARDIA ABLATION: PROCEDURAL DATA AND CLINICAL OUTCOME IN A COMPARATIVE PROSPECTIVE RANDOMIZED STUDY**

Martina Zucchetti<sup>1</sup>, Stefano Bartoletti<sup>1</sup>, Nadeem Ahmed Raja<sup>1</sup>, Valeria Volpe<sup>1</sup>, Antonio Dello Russo<sup>1</sup>, Michela Casella<sup>1</sup>, Claudio Tondo<sup>1</sup>, Corrado Carbucicchio<sup>1</sup>

<sup>1</sup> *Cardiac Arrhythmia Research Centre, Centro Cardiologico Monzino IRCCS, Milan, Italy*

##### **8-3 Abstract 18-54**

#### **ENDO-EPICARDIAL HOMOGENEIZATION OF THE SCAR VERSUS LIMITED ENDOCARDIAL SUBSTRATE ABLATION FOR THE TREATMENT OF ELECTRICAL STORMS IN PATIENTS WITH ISCHEMIC CARDIOMYOPATHY: LONG-TERM OUTCOMES AND MODE OF RECURRENCES**

Luigi Di Biase<sup>1</sup>, Pasquale Santangeli<sup>1</sup>, J.David Burkhardt<sup>1</sup>, Rong Bai<sup>1</sup>, Corrado Carbucicchio<sup>2</sup>, Antonio Dello Russo<sup>2</sup>, Martina Zucchetti<sup>2</sup>, Michela Casella<sup>2</sup>, Richard Hongo<sup>3</sup>, Dhanunjay Lakkireddy<sup>4</sup>, Gemma Pelargonio<sup>1</sup>, Claude S. Elayi<sup>5</sup>, Javier E. Sanchez<sup>1</sup>, Prasant Mohanty<sup>1</sup>, SanghaMitra Mohanty<sup>1</sup>, Agnes Pump<sup>1</sup>, Salwa Beheiry<sup>3</sup>, Claudio Tondo<sup>2</sup>, Andrea Natale<sup>1</sup>

<sup>1</sup> *Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, United States*, <sup>2</sup> *Monzino Hospital Milan, Italy*, <sup>3</sup> *CPMC, San Francisco, United States*, <sup>4</sup> *University of Kansas, Kansas, United States*, <sup>5</sup> *University of Kentucky, Kentucky, United States*

##### **8-4 Abstract 17-20**

#### **IMPORTANCE OF DRUGS LESS USED IN VENTRICULAR TACHYCARDIA**

Galvao Santos Pedro<sup>1</sup>, Adragao Pedro<sup>1</sup>, Cavaco Diogo<sup>1</sup>, Morgado Francisco<sup>1</sup>, Carmo Pedro<sup>1</sup>; Brito Joao<sup>1</sup>, Costa Francisco<sup>1</sup>, Quaresma Rita<sup>1</sup>, Mendes Miguel<sup>1</sup>

<sup>1</sup> *Hospital de Santa Cruz, Lisbon, Portugal*

##### **8-5 Abstract 17-19**

#### **LONG TERM FOLLOW UP POST ELECTIVE OUTFLOW TRACT VENTRICULAR TACHYCARDIA AND ECTOPY ABLATION**

Charles Butcher<sup>1</sup>, Malcom Finlay<sup>1</sup>, Wei lim Yao<sup>1</sup>, Simon Lowe<sup>1</sup>, Oliver Segal<sup>1</sup>, Ron Ben-Simon<sup>1</sup>, Edward Rowland<sup>1</sup>, Anthony Chow<sup>1</sup>, Pier Lambiase<sup>1</sup>

<sup>1</sup> *The Heart Hospital, London, United Kingdom*

##### **8-6 Abstract 18-48**

#### **ABLATION OF UNSTABLE VENTRICULAR TACHYCARDIA GUIDED BY THE NON CONTACT MAPPING SYSTEM BY RADIOFREQUENCY APPLICATIONS EXCLUSIVELY DURING SINUS RHYTHM**

Salah Atta<sup>1</sup>, Sherif Zaky<sup>2</sup>

<sup>1</sup> *Cardiology Department, Assiut University, Assiut, Egypt*, <sup>2</sup> *Critical Care department, Cairo University, Cairo, Egypt*

**SATURDAY APRIL 21, 2012**

**10:30 AM - 12:00 PM**  
**ROOM PALAISHALLE**

*Posters exposed from 8:30 AM - 12:00 PM*

*Presenters and chairpersons present from 10:30 AM - 12:00 PM*

## **CHAired POSTER SESSION C - PART 2**

### **Mechanisms of cardiac arrhythmias including molecular basis**

#### **18-1 Abstract 02-13**

#### **ALTERATIONS OF ELECTRICAL COUPLING PROTEIN, CONNEXIN-43, DURING VENTRICULAR FIBRILLATION AND SINUS RHYTHM RESTORATION DEMONSTRATED IN PERFUSED RAT HEART.**

Jana Radosinska<sup>1</sup>, Vladimir Knezl<sup>2</sup>, Lubos Urban<sup>3</sup>, Robert Hatala<sup>3</sup>, Jan Slezak<sup>4</sup>, Narcisa Tribulova<sup>4</sup>

<sup>1</sup> *Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia,* <sup>2</sup> *Institute of Experimental Pharmacology & Toxicology, Bratislava, Slovakia,* <sup>3</sup> *Department of Arrhythmias, National Cardiovascular Institute, Bratislava, Slovakia,* <sup>4</sup> *Institute for Heart Research, Bratislava, Slovakia*

#### **18-2 Abstract 01-19**

#### **ACTION POTENTIAL ALTERNANS AS HARBINGER OF SUDDEN DEATH. TRANSLATIONAL STUDY OF KCNH2-R835Q MUTATION IN LQTS-2**

Peter Biliczki<sup>1</sup>, Zenawit Girmatsion<sup>1</sup>, Stefan H. Hohnloser<sup>1</sup>, Joachim R. Ehrlich<sup>1</sup>, Ulrich Schweigmann<sup>2</sup>, Rafael J. Ramirez<sup>3</sup>, Christoph Marschall<sup>4</sup>, Dieter Kotzot<sup>5</sup>

<sup>1</sup> *Kardiologie, Goethe-Universität, Frankfurt, Germany,* <sup>2</sup> *Pädiatrische Kardiologie, Innsbruck, Austria,* <sup>3</sup> *Cardiac Arrhythmia Center, UCLA, Los Angeles, United States,* <sup>4</sup> *Zentrum für Humangenetik, Martinsried, Germany,* <sup>5</sup> *Sektion Humangenetik an der Medizinischen Universität Innsbruck, Innsbruck, Austria*

#### **18-3 Abstract 02-10**

#### **LYSOPHOSPHATIDIC ACID PROLONGS ACTION POTENTIAL DURATION AND INCREASES ELECTROPHYSIOLOGICAL INSTABILITY OF ADULT RABBIT VENTRICULAR MYOCARDIUM**

Yong Wei<sup>1</sup>, Shao-wen Liu<sup>1</sup>, Gen-qing Zhou<sup>1</sup>

<sup>1</sup> *Shanghai First People's Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China, Shanghai, China*

#### **18-4 Abstract 03-10**

#### **LOWER INCIDENCE OF MALIGNANT VENTRICULAR ARRHYTHMIAS IN GNB3 C825 AND KCNE1 S38 HOMOZIGOUS INDIVIDUALS**

Francesca Galati<sup>1</sup>, Serafina Massari<sup>1</sup>, Antonio Galati<sup>2</sup>

<sup>1</sup> *Department of Biological and Environmental Science and Technologies, University of Salento, Lecce, Italy,* <sup>2</sup> *Division of Cardiology, Card. G. Panico Hospital, Tricase, Italy*

#### **18-5 Abstract 20-11**

#### **CONDUCTION BLOCK INDUCED BY ACIDOSIS IN HL-1 MOUSE ATRIAL MYOCYTES CAN BE REVERSED BY ADMINISTERING THE GAP JUNCTIONAL COUPLER ROTIGAPTIDE**

Sayed I Al-Aidarous<sup>1</sup>, Caroline H Roney<sup>1</sup>, Felix MD Peters<sup>1</sup>, Fu Siong Ng<sup>1</sup>, Rasheda A Chowdhury<sup>1</sup>, Nicholas S Peters<sup>1</sup>

<sup>1</sup> *Imperial College London, London, United Kingdom*

#### **18-6 Abstract 01-13**

#### **APICAL-BASAL DIFFERENCES IN CX43 LATERALISATION EXIST IN CHRONIC POST-MYOCARDIAL INFARCTION HEARTS.**

Ka Ming Hui<sup>1</sup>, Fu Siong Ng<sup>1</sup>, Rasheda A Chowdhury<sup>1</sup>, Caroline H Roney<sup>1</sup>, Felix Peters<sup>1</sup>, Pravina M Patel<sup>1</sup>, Nicholas S Peters<sup>1</sup>

<sup>1</sup> *Imperial College London, London, United Kingdom*

**18-7 Abstract 01-17**

**INTRACELLULAR CALCIUM TRANSIENT DURATION RESTITUTION SHOWS NO SIGNIFICANT HYSTERESIS DESPITE HYSTERESIS OF ACTION POTENTIAL DURATION RESTITUTION: A DUAL OPTICAL MAPPING STUDY**

Caroline H Roney<sup>1</sup>, Fu Siong Ng<sup>1</sup>, Rasheda A Chowdhury<sup>1</sup>, Eugene TY Chang<sup>1</sup>, Pravina M Patel<sup>1</sup>, Felix MD Peters<sup>1</sup>, Alexander R Lyon<sup>1</sup>, Jennifer H Siggers<sup>1</sup>, Nicholas S Peters<sup>1</sup>

<sup>1</sup> Imperial College London, London, United Kingdom

**18-8 Abstract 05-17**

**A SEMI-AUTOMATED ALGORITHM FOR QUANTIFICATION OF CONNEXIN43 LATERALISATION IN IMAGES OF DISEASED MYOCARDIUM**

Eugene TY Chang<sup>1</sup>, Xuhua Zhang<sup>1</sup>, Pravina M Patel<sup>1</sup>, Rasheda A Chowdhury<sup>1</sup>, Fu Siong Ng<sup>1</sup>, Jennifer H Siggers<sup>1</sup>, Nicholas S Peters<sup>1</sup>

<sup>1</sup> Imperial College London, London, United Kingdom

**18-9 Abstract 04-16**

**LOSS OF ATRIAL A1/A2A RECEPTORS CROSS-TALK INDUCED BY AUTONOMIC STIMULATION**

Mafalda Carvalho<sup>1</sup>, Sergio Laranjo<sup>1</sup>, Mario Oliveira<sup>1</sup>, Isabel Rocha<sup>1</sup>

<sup>1</sup> Autonomic Nervous System Unit, Instituto de Medicina Molecular && Instituto de Fisiologia, Faculdade de Medicina de Lisboa, Lisbon, Portugal

**18-10 Abstract 12-13**

**IS THERE A GENDER DIFFERENCE IN AVNRT ABOVE THE AGE OF 50**

John zarif<sup>1</sup>, Rania samir<sup>1</sup>

<sup>1</sup> Ain Shams University , Cairo, Egypt

**Unexplained Syncope**

**18-11 Abstract 11-16**

**LACK OF SYMPATHETIC RESERVE AS A CAUSE OF NITROGLYCERIN-EVOKED REFLEX SYNCOPE**

Sergio Laranjo<sup>1</sup>, Mario Oliveira<sup>1</sup>, Cristiano Tavares<sup>1</sup>, Isabel Rocha<sup>1</sup>, Sofia Santos<sup>2</sup>, Rui Ferreira<sup>2</sup>

<sup>1</sup> Unidade de Sistema Nervoso Autonomo, Instituto de Medicina Molecular && Instituto de Fisiologia, Faculdade de Medicina de Lisboa, Lisbon, Portugal, <sup>2</sup> Serviço de Cardiologia, Hospital de Santa Marta, CHLC, Lisbon, Portugal

**18-12 Abstract 11-17**

**INCIDENCE OF NEURALLY MEDIATED SYNCOPE IN PATIENTS WITH BRUGADA SYNDROME OR BRUGADA-TYPE 1 ECG PATTERN**

Ana Lousinha<sup>1</sup>, Mário Martins-Oliveira<sup>1</sup>, Manuel Nogueira-Silva<sup>1</sup>, Pedro Cunha<sup>1</sup>, Sofia Santos<sup>1</sup>, Sofia Silva<sup>1</sup>, Alexandra Toste<sup>1</sup>, Rui Ferreira<sup>1</sup>

<sup>1</sup> Santa Marta hospital, Lisbon, Portugal

**18-13 Abstract 11-14**

**AN INSIGHT INTO THE AUTONOMIC MECHANISMS UNDERLINING REFLEX SYNCOPE IN CHILDREN AND ADOLESCENTS**

Sergio Laranjo<sup>1</sup>, Conceição Trigo<sup>1</sup>, Lurdes Medroa<sup>1</sup>, Fátima F. Pinto<sup>1</sup>, Mário Oliveira<sup>2</sup>, Isabel Rocha<sup>3</sup>

<sup>1</sup> Serviço de Cardiologia Pediátrica, Hospital de Santa Marta, CHLC, Lisbon, Portugal, <sup>2</sup> Serviço de Cardiologia , Hospital de Santa Marta, CHLC, Lisbon, Portugal, <sup>3</sup> Unidade de Sistema Nervoso Autóno, Instituto de Medicina Molecular && Instituto de Fisiologia, Faculdade de Medicina de Lisboa, Lisbon, Portugal

**18-14 Abstract 06-10**

**IMPLANTABLE LOOP RECORDER DIAGNOSTIC YIELD IN UNEXPLAINED SYNCOPE – A SINGLE CENTER EXPERIENCE**

Maria Salomé Leal de Carvalho <sup>1</sup>, Francisco Costa <sup>1</sup>, Francisco Morgado <sup>1</sup>, Diogo Cavaco <sup>1</sup>, Pedro Carmo <sup>1</sup>, Katya Reis Santos <sup>1</sup>, Pedro Adragao <sup>1</sup>, Miguel Mendes <sup>1</sup>  
<sup>1</sup> Hospital de Santa Cruz, Carnaxide - Lisboa, Portugal

#### **18-15 Abstract 10-11**

#### **HOW DO PATIENTS PERCEIVE SYNCOPE**

Adrian Buzea <sup>1</sup>, Anca Dan <sup>2</sup>, G.A. Dan <sup>1</sup>

<sup>1</sup> University of Medicine Carol Davila, Bucharest, Romania, <sup>2</sup> Spitalul Clinic Colentina, Bucharest, Romania

### **SATURDAY, APRIL 21, 2012**

**12:15-PM - 1:45 PM**

**ROOM TBA**

**LUNCHEON PANELS 3 and 4 (TBA)**

### **SATURDAY, APRIL 21, 2012**

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

**ROOM KONIGSSAAL**

#### **SYMPOSIUM – SP-05**

#### **Policy issues in Electrophysiology**

Chairpersons: Mark Estes III (Boston, USA), Magdi Sami (Montreal, CA)

- 1. Will there be a randomized trial to compare medication vs AF-ablation as a first-line approach?**  
Sanjeev Saksena (New Brunswick, USA)
- 2. Does the increasing numbers of AF ablation hurt other aspects of clinical EP?**  
Luigi Padeletti (Florence, IT)
- 3. Should we centralize complex ablation only at few centers? Risks and benefits of this policy**  
David Cannom (Los Angeles, USA)
- 4. Is ablation of recurrent sustained VT an acceptable option alone (without ICD) in patients with and without heart disease?**  
Gerhard Steinbeck (Munich, DE)

### **SATURDAY, APRIL 21, 2012**

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

**ROOM FURSTENSALON**

#### **SESSION - AB-04**

#### **Ablation of Atrial Fibrillation - the second procedure**

Chairpersons: Dipen Shah (Geneva, CH), Amiran Revishvili (Moscow, RU)

- 1. How to simplify a complex procedure?**  
Isabel Deisenhofer (Munich, DE)

**2. Does the post ablation rhythm guide the second approach?**

Thomas Rostock (Mainz, DE)

**3. Potential benefit by additional drug treatment**

Thorsten Lewalter (Munich, DE)

**4. When is it time to re-ablate?**

Nicholas Peters (London, GB)

**SATURDAY, APRIL 21, 2012**

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

**ROOM GELBERSALON**

**SYMPOSIUM – SP-06**

**Implantable devices: New technologies to improve hemodynamics and QoL**

Chairpersons: Eli Ovsyshcher (Beersheba, IL), Roger Winkle (Palo Alto, USA)

**1. New technologies to optimize RV-pacing site**

Carlo Pignalberi (Rome, IT)

**2. Advanced algorithms to minimize inappropriate shocks**

Neil Sulke (London, DE)

**3. Hemodynamic sensors to increase response to CRT**

Massimo Santini (Rome, IT)

**4. Remote Monitoring to improve clinical outcome in CRT-patients**

Johannes Brachmann (Coburg, DE)

**SATURDAY, APRIL 21, 2012**

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

**ROOM MONTGELASSAAL**

**SESSION SP-07**

**Inherited arrhythmia syndromes – New insights from the genetic analyses**

Chairpersons: Stefan Kaab (Munich, DE), Gordon Tomaselli (Baltimore, USA)

**1. LQT Syndrome – Beyond the causal Mutation**

Arthur Wilde (Amsterdam, NL)

**2. Genetics of AF – Why does it matter?**

Patrick Ellinor (Boston, USA)

**3. Genetics of Sudden Cardiac Death**

Sumeet S. Chugh (Los Angeles, USA)

#### 4. Personalized Medicine: Genotyping and targeted therapy – Hype or hope?

Stefan Kaab (Munich, DE)

**SATURDAY APRIL 21, 2012**

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

**ROOM PALAISHALLE**

*Posters exposed from 02:00 PM - 05:30 PM*

*Presenters and chairpersons present from 02:00 PM - 03:30 PM*

#### **CHAired POSTER SESSION D - PART 1**

#### **Sudden cardiac deaths and IDC**

##### **19-1 Abstract 17-15**

#### **ELECTRICAL STORM IN PATIENTS WITH HEART FAILURE AND IMPLANTABLE CARDIOVERTER DEFIBRILLATOR: CLINICAL CHARACTERISTICS AND PROGNOSTIC IMPLICATIONS**

Marco Flori<sup>1</sup>, Federico Guerra<sup>1</sup>, Alessandro Capucci<sup>1</sup>

<sup>1</sup> Ospedali Riuniti di Ancona, Università Politecnica delle Marche, Clinica di Cardiologia, Ancona, Italy

##### **19-2 Abstract 25-11**

#### **THE SPRINT FIDELIS® LEAD IN A LONG TERM FOLLOW UP: NOT MORE LEAD FAILURE EVENTS THAN OTHER LEADS BUT MORE SHOCKS**

Franziska Schussler<sup>1</sup>, Reza Wakili<sup>1</sup>, Nico Oversohl<sup>1</sup>, Eimo Martens<sup>1</sup>, Johannes Siebermair<sup>1</sup>, Stefan Kaab<sup>1</sup>, Sebastian Clauss<sup>2</sup>, Gerd Juchem<sup>3</sup>

<sup>1</sup> Medizinische Klinik I, Klinikum Grosshadern, LMU, München, Germany, <sup>2</sup> Medizinische Klinik I, Klinikum Grosshadern, LMU, München, Germany, <sup>3</sup> Herzchirurgische Klinik, Klinikum Grosshadern, LMU, München, Germany

##### **19-3 Abstract 19-17**

#### **RECENT CHANGES IN MEDICATION IN OUT-OF-HOSPITAL CARDIAC ARREST VICTIMS**

Christina Holmgren<sup>1</sup>, Lennart Bergfeldt<sup>1</sup>, Nils Edvardsson<sup>1</sup>, Johan Herlitz<sup>1</sup>, Nils Johan Abdon<sup>2</sup>, Leif Svensson<sup>3</sup>, Bengt Åstrand<sup>4</sup>

<sup>1</sup> Sahlgrenska Academy, Göteborg, Sweden, <sup>2</sup> Hudiksvalls sjukhus, Hudiksvall, Sweden, <sup>3</sup> Sodersjukhuset, Stockholm, Sweden, <sup>4</sup> Linnaeus University, Kalmar, Sweden

##### **19-4 Abstract 19-26**

#### **OCCURRENCE AND ANALYSIS OF VF/VT EPISODES AND THERAPIES IN MEDTRONIC ICD DEVICES – FIRST RESULTS OF THE CARELINK ANALYTICS DEVICE DATABASE**

Johannes Siebermair<sup>1</sup>, Eimo Martens<sup>1</sup>, Stefan Kaab<sup>1</sup>, Regina Freeden<sup>2</sup>, Josef Lauter<sup>2</sup>

<sup>1</sup> LMU München, Campus Grosshadern, Medizinische Klinik I, München, Germany, <sup>2</sup> Medtronic Deutschland GmbH, Meerbusch, Germany

##### **19-5 Abstract 25-14**

#### **ICD IMPLANT WITHOUT DEFIBRILLATION THRESHOLD TESTING: PATIENTS WITH CHAGAS' DISEASE VS. PATIENTS WITH ISCHEMIC CARDIOMYOPATHY**

Femenia Francisco<sup>1</sup>, Mauricio Arce<sup>1</sup>, Martin Arrieta<sup>1</sup>, William McIntyre<sup>2</sup>, Adrian Baranchuk<sup>2</sup>

<sup>1</sup> Unidad de Arritmias. Departamento de Cardiología. Hospital Espanol de Mendoza, Mendoza, Argentina, <sup>2</sup> Heart Rhythm Service, Kingston General Hospital, Kingston, Canada

##### **19-6 Abstract 19-14**

#### **IMPLANTABLE CARDIOVERTER DEFIBRILLATORS. INDICATIONS, FOLLOW-UP AND OUTCOME OF CHILDREN AND ADOLESCENT**

Federico Robles<sup>1</sup>, Nestor Galizio<sup>1</sup>, Jose Gonzalez<sup>1</sup>, Alejandro Palazzo<sup>1</sup>, Felix Albano<sup>1</sup>, Agustina Gargano<sup>1</sup>, Guillermo Carnero<sup>1</sup>, Nicolas Martinenghi<sup>1</sup>, Xavier Vallejos<sup>1</sup>

<sup>1</sup> *Favaloro Foundation, Buenos Aires, Argentina*

**19-7 Abstract 19-15**

**HIGHER RATE OF APPROPRIATE DEVICE THERAPIES IN HEMODIALYSIS PATIENTS – SO, WHY DON'T THEY BENEFIT?**

Peerawut Deeprasertkul<sup>1</sup>, Madalina Opreanu<sup>1</sup>, David Rhine<sup>1</sup>, Mark D. Castellani<sup>1</sup>, Ranjan Thakur<sup>1</sup>

<sup>1</sup> *Sparrow Health System, Michigan State University, Lansing, Michigan, United States*

**19-8 Abstract 25-10**

**SHORT-TERM PROCEDURAL COMPLICATIONS AFTER DEVICE IMPLANTATION IN HEMODIALYSIS PATIENTS**

Madalin Opreanu<sup>1</sup>, Deepthi Vodnala<sup>1</sup>, Peerawut Deeprasertkul<sup>1</sup>, Shivkumar Ardhnari<sup>1</sup>, Ranjan Thakur<sup>1</sup>

<sup>1</sup> *Sparrow Health System, Michigan State University, Lansing, United States*

**19-9 Abstract 17-13**

**IS FRAGMENTED QRS A PREDICTOR FOR APPROPRIATE DEFIBRILLATOR THERAPIES IN DIALYSIS PATIENTS?**

Peerawut Deeprasertkul<sup>1</sup>, Madalina Opreanu<sup>1</sup>, David Rhine<sup>1</sup>, Deepthi Vodnala<sup>1</sup>, Mark D. Castellani<sup>1</sup>, Ranjan Thakur<sup>1</sup>

<sup>1</sup> *Sparrow Health System, Michigan State University, Lansing, Michigan, United States*

**19-11 Abstract 25-13**

**ICD DETECTED ST-SEGMENT DEVIATION IN A PATIENT WITH DENOVO LAD STENOSIS**

Joern Schmitt<sup>1</sup>, Damir Erkapic<sup>1</sup>, Thomas Neumann<sup>1</sup>, Christian Hamm<sup>1</sup>, Johannes Sperzel<sup>1</sup>, Astrid Most<sup>2</sup>, Ritvan Chasan<sup>2</sup>, Wolfgang Franzen<sup>2</sup>

<sup>1</sup> *Kerckhoff-Klinik, Bad Nauheim, Germany*, <sup>2</sup> *Justus Liebig University, Giessen, Germany*

**19-12 Abstract 18-10**

**FORCES ON CARDIAC IMPLANTABLE ELECTRONIC DEVICES DURING REMOTE MAGNETIC NAVIGATION**

C. Jilek<sup>1</sup>, H. Badran<sup>1,2</sup>, B. Stracke<sup>1</sup>, V. Semmler<sup>1</sup>, C. Lennerz<sup>1</sup>, T. Reents<sup>1</sup>, S. Ammar<sup>1</sup>, S. Fichtner<sup>1</sup>, G. Hessling<sup>1</sup>, I. Deisenhofer<sup>1</sup>, C. Kolb<sup>1</sup>

<sup>1</sup> *Deutsches Herzzentrum München, 1. Medizinische Klinik, Klinikum Rechts der Isar, Technische Universität München, Deutschland* <sup>2</sup> *Ain Shams University, Cairo, Egypt*

**Clinical significance of non-sustained Arrhythmias**

**19-13 Abstract 17-10**

**EFFECTIVENESS OF CARVEDILOL ON PREMATURE VENTRICULAR COMPLEXES ORIGINATING FROM THE BILATERAL PAPILLARY MUSCLES IN THE LEFT VENTRICLE**

Eiichiro Nakagawa<sup>1</sup>, Chiharu Tanaka<sup>1</sup>, Hiroaki Matsumi<sup>1</sup>, Kazuki Mizutani<sup>1</sup>, Makoto Ito<sup>1</sup>, Kazato Ito<sup>1</sup>, Kei Yunoki<sup>1</sup>, Yukio Abe<sup>1</sup>, Tuishi Komatsu<sup>1</sup>, Tkahiko Naruko<sup>1</sup>, Akira Itho<sup>1</sup>, Ryushi K<sup>2</sup>

<sup>1</sup> *Osaka City General Hospital, Osaka, Japan*, <sup>2</sup>

**19-14 Abstract 17-16**

**WHICH FACTORS CAN INDICATE THE BEHAVIOUR OVER TIME OF VENTRICULAR EXTRASYSTOLES IN ATHLETES?**

Luigi Caselli<sup>1</sup>, Paolo Pieragnoli<sup>1</sup>, Giuseppe Ricciardi<sup>1</sup>, Gemma Filice<sup>1</sup>, Michele Nieri<sup>1</sup>, Luigi Padeletti<sup>1</sup>, Giorgio Galanti<sup>1</sup>, Antonio Michelucci<sup>1</sup>

<sup>1</sup> *University of Florence, Florence, Italy*

## 19-15 Abstract 01-20

### LIFE-THREATENING ARRHYTHMIAS IN ACUTE CORONARY SYNDROME IN EARLY

Oskars Kalejs<sup>1</sup>, Aija Maca<sup>1</sup>, Ilija Zakke<sup>1</sup>, Svetlana Ratobilska<sup>1</sup>, Iveta Mintale<sup>1</sup>, Ginta Kamzola<sup>1</sup>, Andrejs Erglis<sup>1</sup>

<sup>1</sup> P.Stradins University Hospital, Latvian Centre of Cardiology, Riga, Latvia

## SATURDAY APRIL 21, 2012

3:30 PM- 4:00 PM

COFFEE BREAK

## SATURDAY, APRIL 21, 2012

4:00PM-5:30PM

ROOM 1

### SYMPOSIUM-SP-08

#### **6<sup>th</sup> China ECAS Special session: Important Issues in atrial fibrillation ablation**

Chairpersons: Franco Naccarella (Bologna, IT), Yigang Li (Shanghai, CN)

1. **Results of ablation for ATP induced non-pulmonary vein foci after pulmonary vein isolation in atrial fibrillation patients**  
Chengyang Jiang (Beijing, CN)
2. **Does linear lesions and defragmentation really improve the ablation results of persistent AF?**  
Minglong Chen (Nanjing, CN)
3. **2C3L strategy in catheter ablation of chronic atrial fibrillation.**  
Changsheng Ma (Beijing, CN)
4. **Late complications following Catheter Ablation of Atrial Fibrillation**  
Riccardo Cappato (Milan, IT)

## SATURDAY, APRIL 21, 2012

4:00PM- 5:30PM

ROOM 2

### SYMPOSIUM -SP-09

#### **5<sup>th</sup> Japan HRS-ECAS Special session: Risk stratification for Sudden Cardiac Death: Biological and genetic markers**

Chairpersons: Yuji Nakazato (Chiba, JP), Jorgen Kanters (Copenhagen, DK)

1. **ECG abnormalities of concern**  
Toru Iwa (Aichi, JP)
2. **Prognostic value of T wave alternans**  
Takanori Ikeda (Tokyo, JP)
3. **Autonomic markers of sudden cardiac death**  
Brian Olshansky (Iowa, USA)

4. **Respiration rate dynamics for risk prediction**  
Georg Schmidt (Munich, DE)

## **SATURDAY, APRIL 21, 2012**

**4:00PM-5:30PM**

**ROOM 3**

### **SYMPOSIUM-SP-10**

#### **4<sup>th</sup> Russian Society of Arrhythmology - ECAS Special session**

Chairpersons: Amiran Revishvili (Moscow, Ru), Johannes Brachmann (Coburg, DE)

1. **Ablation of life threatening VT with 3D-4D mapping systems**  
Johannes Brachmann (Coburg, DE)
2. **ICD Therapy of genetically determined VT/VF**  
Werner Jung (Villingen, DE)
3. **3D noninvasive mapping system for VT/VF diagnosis and treatment**  
Amiran Revishvili (Moscow, RU)
4. **Clinical results of subcutaneous ICD implantation**  
Andrey Ardashev (Moscow, RU)

## **SATURDAY, APRIL 21, 2012**

**4:00PM-5:30PM**

**ROOM 4**

### **SYMPOSIUM-SP-11**

#### **2<sup>nd</sup> Indian HRS-ECAS Special session (TBA)**

## **SATURDAY, APRIL 21, 2012**

**4:00PM-5:30PM**

**ROOM PALAISHALLE**

*Posters exposed from 02:00 PM - 05:30 PM*

*Presenters and chairpersons present from 04:00 PM - 05:30 PM*

### **CHAired POSTER SESSION D - PART 2**

#### **Arrhythmias and Heart Disease**

##### **20-1 Abstract 07-15**

##### **DELTAT50 AS A DIAGNOSTIC MARKER FOR CONGENITAL LONG QT SYNDROME**

Christina Abrahamsson <sup>1</sup>, Bo Skallefell <sup>1</sup>, Leif Carlsson <sup>1</sup>, Lars Frison <sup>1</sup>, Goran Duker <sup>1</sup>, Nils Edvardsson <sup>2</sup>

<sup>1</sup> AstraZeneca R&D, Mölndal, Sweden, <sup>2</sup> Sahlgrenska Academy at Sahlgrenska University Hospital, Göteborg, Sweden

**20-2 Abstract 19-10**

**LONG-TERM PROGNOSIS OF INDIVIDUALS WITH TYPE 1 ECG PATTERN OF BRUGADA SYNDROME**

Konstantinos Letsas<sup>1</sup>, Michael Efremidis<sup>1</sup>, Antonios Sideris<sup>1</sup>, Reinhold Weber<sup>2</sup>, Thomas Arentz<sup>2</sup>, Panagiotis Korantzopoulos<sup>3</sup>, Nikolaos Fragakis<sup>4</sup>

<sup>1</sup> Second Department of Cardiology, Evangelismos General Hospital of Athens, Athens, Greece, Athens, Greece, <sup>2</sup> Arrhythmia Service, Herz-Zentrum, Bad Krozingen, Germany, Bad Krozingen, Germany, <sup>3</sup> Department of Cardiology, University Hospital of Ioannina, Ioannina, Greece, Ioannina, Greece, <sup>4</sup> Cardiology Unit, Second Propedeutic Department of Internal Medicine, Hippokration Hospital of Thessaloniki, Thessaloniki, Greece, Thessaloniki, Greece

**20-3 Abstract 15-48**

**STRUCTURAL AND FUNCTIONAL CONDITION OF LEFT VENTRICLE AND ITS COLLAGEN MATRIX CHANGES IN PATIENTS WITH CHRONIC HEART FAILURE AND PERMANENT ATRIAL FIBRILLATION DEPENDING ON AVERAGE DIURNAL HEART RATE**

Natalya Koziolova<sup>1</sup>, Julia Nikonova<sup>1</sup>, Yana Shilova<sup>1</sup>, Alexandr Agafonov<sup>1</sup>

<sup>1</sup> Perm State Medical Academy, Perm, Russia

**20-4 Abstract 24-30**

**RELATIONSHIP BETWEEN AGEING AND RENAL FUNCTION IN PATIENTS SCHEDULED FOR CARDIAC RESYNCHRONIZATION THERAPY.**

Elena Sticchi<sup>1</sup>, Rosanna Abbate<sup>1</sup>, Stella Cartei<sup>1</sup>, Cinzia Fatini<sup>1</sup>, Anna Maria Gori<sup>1</sup>, Martina Nesti<sup>1</sup>, Luigi Padeletti<sup>1</sup>, Paolo Pieragnoli<sup>1</sup>, Giulia Pontecorboli<sup>1</sup>, Ilaria Ricceri<sup>1</sup>, Giuseppe Ricciardi<sup>1</sup>, Francesca Ristalli<sup>1</sup>, Maria Cristina Porciani<sup>1</sup>, Antonio Michelucci<sup>1</sup>

<sup>1</sup> University of Florence, Florence, Italy

**20-5 Abstract 07-13**

**CIRCADIAN HEART RATE VARIATIONS CALCULATED FROM HOLTER RECORDINGS CAN BE USED FOR ASSESSMENT OF RISK OF MORTALITY IN PATIENTS WITH CHRONIC ATRIAL FIBRILLATION**

Irena Kurcalte<sup>1</sup>, Aivars Lejnieks<sup>1</sup>, Oskars Kalejs<sup>1</sup>

<sup>1</sup> Riga Stradins University, Riga, Latvia

**20-6 Abstract 17-14**

**INTRATHORACIC IMPEDANCE AND VENTRICULAR ARRHYTHMIA IN PATIENTS WITH CARDIOVERTER - DEFIBRILLATORS**

Alexandr Rychkov<sup>1</sup>, Ellona Dubrovskaya<sup>1</sup>, Vsevolod Kharats<sup>1</sup>, Irina Yartseva<sup>1</sup>

<sup>1</sup> Tyumen Cardiology Center, Tyumen, Russia

**20-7 Abstract 18-34**

**LONG TIME EFFICIENCY OF RADIOFREQUENCY CATHETER ABLATION OF SYMPTOMATIC PREMATURE VENTRICULAR CONTRACTIONS IN PATIENTS WITH ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY.**

Vera Grokhotova<sup>1</sup>, Dmitry Lebedev<sup>1</sup>, Lubov Mitrofanova<sup>1</sup>, Nikolay Mitrofanov<sup>1</sup>, Kirill Malikov<sup>1</sup>

<sup>1</sup> Almazov Federal Heart, Blood and Endocrinology Centre, Saint-Petersburg, Russia

**Syncope Management**

**20-8 Abstract 25-15**

**LONG-TERM FOLLOW-UP IN PATIENTS WITH SYNCOPE AND/OR INDUCIBLE VENTRICULAR ARRHYTHMIAS WITH BRUGADA-TYPE ECG PATTERN**

Ana Lousinha<sup>1</sup>, Mário Martins-Oliveira<sup>1</sup>, Manuel Nogueira-Silva<sup>1</sup>, Pedro Cunha<sup>1</sup>, Sofia Santos<sup>1</sup>, Ricardo Pimenta<sup>1</sup>, Sofia Silva<sup>1</sup>, Alexandra Toste<sup>1</sup>, Rui Ferreira<sup>1</sup>

<sup>1</sup> Santa Marta hospital, Lisbon, Portugal

**20-9 Abstract 11-20**

**A PROSPECTIVE RANDOMISED CONTROLLED TRIAL OF HOME ORTHOSTATIC TILT TRAINING IN ELDERLY PATIENTS WITH VASOVAGAL SYNCOPE**

Steven Podd<sup>1</sup>, Jacqueline Hunt<sup>1</sup>, Neil Sulke<sup>1</sup>

<sup>1</sup> *Eastbourne General Hospital, Eastbourne, United Kingdom*

**20-10 Abstract 11-11**

**TILT TABLE TESTING IN PATIENTS WITH SUSPECTED EPILEPSY**

Ines Rangel<sup>1</sup>, Joao Freitas<sup>1</sup>, Alexandra Sousa<sup>1</sup>, Ana Sofia Correia<sup>1</sup>, Ana Lebreiro<sup>1</sup>, Carla Sousa<sup>1</sup>, Mariana Paiva<sup>1</sup>, Maria Julia Maciel<sup>1</sup>

<sup>1</sup> *Hospital de S. Joao, Porto, Portugal*

**20-11 Abstract 10-10**

**PHYSICIANS' AWARENESS OF SYNCOPE: A SYNCOPE OF KNOWLEDGE?**

Anca Dan<sup>1</sup>, G.A Dan<sup>2</sup>, Adrian Buzea<sup>2</sup>

<sup>1</sup> *Spitalul Clinic Colentina, Bucharest, Romania*, <sup>2</sup> *University of Medicine Carol Davila, Bucharest, Romania*,

**20-12 Abstract 26-11**

**LONG-TERM FOLLOW-UP (192 MONTHS) OF EXCLUSIVE PACEMAKER MANAGEMENT OF CONVULSIVE SYNCOPE IN YOUNG PATIENTS (1)**

Victor A. Medina-Ravell, MD<sup>1</sup>, Otto A Medina-Malpica<sup>1</sup>, Napoleon A Medina-Malpica<sup>1</sup>

<sup>1</sup> *Fundarritmia AC-LIFE Project, Valencia, Venezuela*

**20-13 Abstract 11-10**

**SYNCOPE IN PEDIATRIC VERSUS ADULT PATIENTS. DOES NEUROMEDIATED SYNCOPE BE MORE PREVALENT AND RECURRENT IN THE TEEN POPULATION?**

Ines Rangel<sup>1</sup>, Joao Freitas<sup>1</sup>, Ana Sofia Correia<sup>1</sup>, Alexandra Sousa<sup>1</sup>, Ana Lebreiro<sup>1</sup>, Carla Sousa<sup>1</sup>, Mariana Paiva<sup>1</sup>, Maria Julia Maciel<sup>1</sup>

<sup>1</sup> *Hospital de S. Joao, Porto, Portugal*

**Atrial appendage closure**

**20-14 Abstract 15-61**

**HEMORRHAGE DUE TO CARDIAC PERFORATION DURING PERCUTANEOUS LEFT ATRIAL APPENDAGE CLOSURE STOPPED BY IMMEDIATE SUCCESSFUL PLUG POSITIONING**

Gaetano Fassini<sup>1</sup>, Stefano Bartoletti<sup>1</sup>, Massimo Moltrasio<sup>1</sup>, Claudio Tondo<sup>1</sup>, Anna Maltagliati<sup>2</sup>

<sup>1</sup> *Cardiac Arrhythmia Research Centre, Centro Cardiologico Monzino IRCCS, Milan, Italy*, <sup>2</sup> *Centro Cardiologico Monzino IRCCS, Milan, Italy*

**Miscellaneous**

**20-15 Abstract 04-14**

**DOES THE MUSIC OF BACH, HEAVY METAL OR NOISE HAS AN EFFECT ON THE CORTISOL LEVELS?**

Irini Maria Breker<sup>1</sup>, Martin Christ<sup>1</sup>, Hans-Joachim Trappe<sup>1</sup>

<sup>1</sup> *Department of Cardiology and Angiology, Herne, Germany*

**SATURDAY, APRIL 21, 2012**

**5:30PM-6:00PM**

**ROOM KONIGSSAAL**

**DEBATE 3**

**Left atrial ablation alters the natural history of AF**

Chairpersons: Albert Waldo (Cleveland, USA), Ellen Hoffmann (Munich, DE)

**Protagonist:** Douglas Packer (Rochester, USA) (13min)

**Antagonist:** TBA

Rebuttal and Conclusion

## **SATURDAY, APRIL 21, 2012**

**5:30PM-6:00PM**

**ROOM GELBERSALON**

### **DEBATE 4**

**ICD should be included in the primary prevention of long QT syndrome**

Chairpersons: Melvin Scheinman (San Francisco, USA); Werner Jung (Villingen, DE)

**Protagonist:** Brian Olshansky (Iowa City, USA) (13 min)

**Antagonist:** Peter J Schwartz (Pavia, IT) (13 min)

Rebuttal and Conclusion

## **SATURDAY, APRIL 21, 2012**

**6:00PM Adjourn**

## **SUNDAY APRIL 22, 2012**

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

**ROOM KONIGSSAAL**

### **ABSTRACT ORAL SESSION 9**

**Technical aspects of catheter ablation of arrhythmias**

#### **9-1 Abstract 18-44**

**MRI ASSESSMENT OF BRAIN WHITE MATTER CHANGES IN PATIENTS WHO HAVE UNDERGONE PULMONARY VEIN ISOLATION: A RANDOMISED COMPARISON OF PHASED MULTI-ELECTRODE RADIOFREQUENCY ABLATION (PVAC™) OR CONVENTIONAL LASSO GUIDED IRRIGATED RADIOFREQUENCY A**

Steven Podd<sup>1</sup>, David Sallomi<sup>1</sup>, Emma Owens<sup>1</sup>, Neil Barlow<sup>1</sup>, Stephen Furniss<sup>1</sup>, Neil Sulke<sup>1</sup>

<sup>1</sup> Eastbourne General Hospital, Eastbourne, United Kingdom

#### **9-2 Abstract 15-50**

**IMPACT OF A NEW CONTACT FORCE SENSING CATHETER ON PROCEDURAL PARAMETERS IN RADIOFREQUENCY ABLATION OF ATRIAL FIBRILLATION**

Christine Lemes<sup>1</sup>, Helmut Puererfellner<sup>1</sup>, Elisabeth Sigmund<sup>1</sup>, Michael Derndorfer<sup>1</sup>, Hans-Joachim Nesser<sup>1</sup>, Martin Martinek<sup>1</sup>

<sup>1</sup> Elisabethinen University Teaching Hospital, Linz, Austria

#### **9-3 Abstract 18-55**

**UNUSUAL PATTERN OF ISOLATION OF THE LEFT ATRIAL APPENDAGE**

Luigi Di Biase<sup>1</sup>, Miguel Valderrabano<sup>2</sup>, Javier E. Sanchez<sup>1</sup>, Pasquale Santangeli<sup>1</sup>, Rong Bai<sup>1</sup>, Prasant Mohanty<sup>1</sup>, Agnes Pump<sup>1</sup>, Rodney Horton<sup>1</sup>, G. Joseph Gallinghouse<sup>1</sup>, Sanghamitra Mohanty<sup>1</sup>, Rachel (Xue) Yan<sup>1</sup>, Barbara Thomas<sup>1</sup>, Tami Metz<sup>1</sup>, Greg Gilbert<sup>1</sup>, Greg Gilbert<sup>1</sup>, Salwa Beheiry<sup>1</sup>, Richard Hongo<sup>1</sup>, Claude S. Elayi<sup>3</sup>, J. David Burkhardt<sup>1</sup>, Andrea Natale<sup>1</sup>

<sup>1</sup> Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, United States, <sup>2</sup> Methodist Hospital, Houston, Texas, United States, <sup>3</sup> University of Kentucky, Kentucky, United States

**9-4 Abstract 18-37**

**CIRCUMFERENTIAL PULMONARY VEIN ISOLATION: WAIT OR DO NOT WAIT AFTER PV-ISOLATION?**

Jenny Bittkau<sup>1</sup>, Dietmar Bänsch<sup>1</sup>

<sup>1</sup> Cardiology, Centre of Internal Medicine I, Medical School, Rostock, Germany

**9-5 Abstract 18-14**

**CATHETER ABLATION OF FOCAL ATRIAL TACHYCARDIA FROM THE NON-CORONARY AORTIC CUSP**

Ana Lebreiro<sup>1</sup>, Maria Julia Maciel<sup>1</sup>, Mercedes Vega Olvera<sup>2</sup>, Juan Gonzalez Ferrer<sup>2</sup>, José Manuel Aguirre<sup>2</sup>, Luis Borrego<sup>2</sup>, Moisés Pulido<sup>2</sup>, Javier Moreno<sup>2</sup>, Nicasio Perez-Castellano<sup>2</sup>, Julian Perez-Villacastin<sup>2</sup>

<sup>1</sup> Hospital Sao Joao, Porto, Portugal, <sup>2</sup> Hospital Clinico San Carlos, Madrid, Spain

**9-6 Abstract 18-22**

**HIGH EFFICACY OF CONTACT FORCE-CONTROLLED ROBOTIC-NAVIGATED RADIOFREQUENCY ABLATION FOR LINEAR LESIONS IN THE ANTERIOR LEFT ATRIUM**

Juergen Schreieck<sup>1</sup>, Hans-Joerg Weig<sup>1</sup>, Slawomir Weretka<sup>1</sup>, Peter Seizer<sup>1</sup>, Michael Gramlich<sup>1</sup>, Meinrad Gawaz<sup>1</sup>, Gunter Kerst<sup>2</sup>

<sup>1</sup> Department of cardiology, Tuebingen, Germany, <sup>2</sup> Department of pediatric cardiology, Tuebingen, Germany

**SUNDAY APRIL 22, 2012**

**08:30 AM - 10:00 AM**

**ROOM FURSTENSALON**

**ABSTRACT ORAL SESSION 10**

**CRT II toward an improvement in current results**

**10-1 Abstract 24-19**

**MORE RESPONDER UNDER CARDIAC RESYNCHRONIZATION THERAPY WITH PET/CT-BEFORE IMPLANTATION?**

Franziska Schussler<sup>1</sup>, Reza Wakili<sup>1</sup>, Nico Oversohl<sup>1</sup>, Nadine Haseruck<sup>1</sup>, Johannes Siebermair<sup>1</sup>, Eimo Martens<sup>1</sup>, Sebastian Clauss<sup>1</sup>, Heidi Estner<sup>1</sup>, Stefan Kaab<sup>1</sup>, Sebastian Lehner<sup>2</sup>, Christopher Ubleis<sup>2</sup>, Marcus Hacker<sup>2</sup>, Michael Ulbrich<sup>3</sup>

<sup>1</sup> Medizinische Klinik I, Klinikum Grosshadern, LMU, Munchen, Germany, <sup>2</sup> Klinik fur Nuklearmedizin, Klinikum Grosshadern, LMU, Munchen, Germany, <sup>3</sup> Kardiologische Klinik, Helios Kliniken Siegburg, Siegburg, Germany

**10-2 Abstract 24-29**

**CYSTATIN C AND RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY**

Giuseppe Ricciardi<sup>1</sup>, Rosanna Abbate<sup>1</sup>, Cinzia Fatini<sup>1</sup>, Martina Nesti<sup>1</sup>, Luigi Padeletti<sup>1</sup>, Paolo Pieragnoli<sup>1</sup>, Giulia Pontecorboli<sup>1</sup>, Maria Cristina Porciani<sup>1</sup>, Ilaria Ricceri<sup>1</sup>, Francesca Ristalli<sup>1</sup>, Francesco Sofi<sup>1</sup>, Elena Sticchi<sup>1</sup>, Brunilde Xhaferi<sup>1</sup>, Antonio Michelucci<sup>1</sup>

<sup>1</sup> University of Florence, Florence, Italy

**10-3 Abstract 24-15**

**IS AN EMPIRIC AV DELAY OF 120 MS SUITABLE FOR ANY CRT PATIENT OR IS FURTHER OPTIMIZATION POSSIBLE?**

Vanessa Puetz<sup>1</sup>, Caroline Berndt<sup>1</sup>, Jochen Buchholz<sup>1</sup>, Anja Dorszewski<sup>1</sup>

<sup>1</sup> Alfried Krupp Hospital, Essen, Germany

**10-4 Abstract 24-23**

**A SINGLE CENTRE EXPERIENCE USING QUADRIPOlar LEADS**

Antonio Curnis<sup>1</sup>, Nicola Berlinghieri<sup>1</sup>, Alessandro Lipari<sup>1</sup>, Manuel Cerini<sup>1</sup>, Najat Ashofair<sup>1</sup>, Carlo Pagnoni<sup>1</sup>, Maria Grazia Mutti<sup>1</sup>, Mariagiulia Latini<sup>1</sup>, Francesca Vassanelli<sup>1</sup>, Luca Bontempi<sup>1</sup>

<sup>1</sup> Department and Chair of Cardiology, Civili Hospital and University, Brescia, Italy

**10-5 Abstract 24-27**

**TIME-FREQUENCY DOMAIN ANALYSIS OF THE QRS COMPLEX IN THE PREDICTION OF RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY**

Lilian Mantziari <sup>1</sup>, Vassilios Vassilikos <sup>1</sup>, George Dakos <sup>1</sup>, Vassilios Kamperidis <sup>1</sup>, Yiannis Chatzizisis <sup>1</sup>, Stylianos Paraskevaidis <sup>1</sup>, Ioannis Styliadis <sup>1</sup>, Ioanna Chouvarda <sup>2</sup>, Nikolaos Maglaveras <sup>2</sup>

<sup>1</sup> First Cardiology Department, AHEPA University Hospital, Thessaloniki, Greece, <sup>2</sup> Lab of Medical Informatics, Medical School, Aristotle University, Thessaloniki, Greece

**10-6 Abstract 24-10**

**ATRIUM-VENTRICULAR DELAY OPTIMIZATION BY DOPPLER ECHOCARDIOGRAPHY REDUCE ATRIAL FIBRILLATION BURDEN IN PATIENTS WITH CARDIAC RESYNCHRONIZATION THERAPY DEVICES**

Laura Cipolletta <sup>1</sup>, Mario Luzi <sup>1</sup>, Lucia Zuliani <sup>1</sup>, Alessandro Capucci <sup>1</sup>

<sup>1</sup> Cardilogic Clinic, Ancona, Italy

**SUNDAY APRIL 22, 2012**

**08:30 AM - 10:00 AM**

**ROOM GELBERSALON**

**ABSTRACT ORAL SESSION 11**

**New strategies in arrhythmias management**

**11-1 Abstract 21-10**

**ADAPTING TREATMENT STRATEGIES IN PATIENTS WITH ATRIAL FIBRILLATION AND CONGESTIVE HEART FAILURE: AN AF-CHF SUBSTUDY**

Katia Dyrda <sup>1</sup>, Denis Roy <sup>2</sup>, Mario Talajic <sup>2</sup>, Laurent Macle <sup>2</sup>, Bernard Thibault <sup>2</sup>, Peter Guerra <sup>2</sup>, Lena Rivard <sup>2</sup>, Marc Dubuc <sup>2</sup>, Paul Khairy <sup>2</sup>, Hugues Leduc <sup>3</sup>

<sup>1</sup> Université de Montréal, Montréal, Canada, <sup>2</sup> Université de Montréal - Institut de Cardiologie de Montréal, Montréal, Canada, <sup>3</sup> Institut de Cardiologie de Montréal, Montréal, Canada

**11-2 Abstract 26-12**

**INTELLIGENT PATIENT SELECTION FOR PERSISTENT ATRIAL FIBRILLATION ABLATION**

Julian W.E. Jarman <sup>1</sup>, Preya J. Patel <sup>1</sup>, Dimitrios N. Lysitsas <sup>1</sup>, Andrew Kontogeorgis <sup>1</sup>, James A. Richardson <sup>1</sup>, Tom Wong <sup>1</sup>, Vias Markides <sup>1</sup>, Wajid Hussain <sup>1</sup>

<sup>1</sup> Royal Brompton Hospital, London, United Kingdom

**11-3 Abstract 15-36**

**SAFETY OF CLASS-1C ANTIARRHYTHMIC DRUG TREATMENT IN PATIENTS WITH ATRIAL FIBRILLATION AFTER EXCLUSION OF CORONARY CALCIFICATIONS BY CT – LONG TERM RESULTS**

Reza Wakili <sup>1</sup>, Franziska Schuessler <sup>2</sup>, Sebastian Clauss <sup>2</sup>, Nico Oversohl <sup>2</sup>, Franz von Ziegler <sup>2</sup>, Martin Greif <sup>2</sup>, Heidi Estner <sup>2</sup>, Stefan Kaab <sup>2</sup>, Alexander Becker <sup>2</sup>

<sup>1</sup> Department of Cardiology, Internal Medicine I, Munich, Germany, <sup>2</sup> Department of Cardiology, Internal Medicine I, University of Munich, Munich, Germany

**11-4 Abstract 29-13**

**COX MAZE III IN COMBINATION WITH OTHER OPEN HEART SURGERY – AN OPTION?**

Birgitta Johansson <sup>1</sup>, Nils Edvardsson <sup>2</sup>, Britta Nyström <sup>2</sup>, Oskar Vaart <sup>3</sup>, Henrik Scherstén <sup>3</sup>, Eva Berglin <sup>3</sup>, Thomas Karlsson <sup>4</sup>

<sup>1</sup> Department of Internal Medicine, Sahlgrenska University Hospital/Ostra, Gothenburg, Sweden, <sup>2</sup> Sahlgrenska Academy at Sahlgrenska University Hospital, Gothenburg, Sweden, <sup>3</sup> Department of Cardiothoracic Surgery, Sahlgrenska University Hospital, Gothenburg, Sweden, <sup>4</sup> Department of Cardiology, Sahlgrenska University Hospital, Gothenburg, Sweden

**11-5 Abstract 06-11**

**ILRS ARE NOT NECESSARILY THE GOLD STANDARD FOR AF DETECTION - A PROSPECTIVE RANDOMISED TRIAL COMPARING AF MONITORING USING THE REVEAL® XT AND DDDR PERMANENT PACEMAKERS IN POST AF ABLATION PATIENTS.**

Steven Podd<sup>1</sup>, Conn Sugihara<sup>1</sup>, Stephen Furniss<sup>1</sup>, Neil Sulke<sup>1</sup>

<sup>1</sup> Eastbourne General Hospital, Eastbourne, United Kingdom

**11-6 Abstract 28-15**

**ENDOCARDIAL UNIPOLAR VOLTAGE MAPPING COMPARED TO MAGNETIC RESONANCE IMAGING TO CHARACTERIZE THE EPICARDIAL SUBSTRATE**

Benedetta Majocchi<sup>1</sup>, Michela Casella<sup>1</sup>, Fabrizio Tundo<sup>1</sup>, Antonio Dello Russo<sup>1</sup>, Gaetano Fassini<sup>1</sup>, Stefania Riva<sup>1</sup>, Massimo Moltrasio<sup>1</sup>, Corrado Carbucicchio<sup>1</sup>, Vittoria Marino<sup>1</sup>, Martina Zucchetti<sup>1</sup>, Daniele Andreini<sup>1</sup>, Claudio Tondo<sup>1</sup>

<sup>1</sup> Centro Cardiologico Monzino, Milano, Italy

**SUNDAY APRIL 22, 2012**

**08:30 AM - 10:00 AM**

**ROOM MONTGELASSAAL**

**ORAL ABSTRACT SESSION 12**

**Cardiac implantable devices and lead damages**

**12-1 Abstract 23-24**

**MAGNETIC RESONANCE IMAGING IN PATIENTS WITH IMPLANTABLE CARDIAC DEVICES**

Pierpaolo Lupo<sup>1</sup>, Guido De Ambroggi<sup>1</sup>, Sara Foresti<sup>1</sup>, Mario Pittalis<sup>1</sup>, Hussam Ali<sup>1</sup>, Tommaso Infusino<sup>1</sup>, Antonio Sorgente<sup>1</sup>, Francesco Secchi<sup>1</sup>, Francesco Sardanelli<sup>1</sup>, Riccardo Cappato<sup>1</sup>

<sup>1</sup> IRCCS Policlinico San Donato, San Donato Milanese, Milan, Italy

**12-2 Abstract 23-15**

**INTRAOPERATIVE COMPARISON OF DIFFERENT MRI-PACEMAKER SYSTEMS: HOW DO THEY VARY?**

Magnus Prull<sup>1</sup>, Andrea Bittlinsky<sup>1</sup>, Marion Zander-Wiegmann<sup>1</sup>, Marc van Bracht<sup>1</sup>, Thomas Butz<sup>1</sup>, Hans-Joachim Trappe<sup>1</sup>

<sup>1</sup> Dept. for Cardiology and Angiology, Ruhr-University Bochum, Herne, Germany

**12-3 Abstract 19-19**

**RIATA ICD LEAD FAILURE: ANALYSIS OF EXPLANTED LEADS WITH A UNIQUE INSULATION DEFECT**

Robert Hauser<sup>1</sup>, Deepa McGriff<sup>1</sup>, Linda Kallinen Retel<sup>1</sup>

<sup>1</sup> Minneapolis Heart Institute Foundation, Minneapolis, United States

**12-4 Abstract 23-22**

**LOSS OF SILICONE TUBE OF BROKEN LEAD – THE TERRIBLE TECHNICAL COMPLICATION OF LEAD EXTRACTION**

Andrzej Kutarski<sup>1</sup>, Michal Tomaszewski<sup>1</sup>, Andrzej Tomaszewski<sup>2</sup>, Radoslaw Pietura<sup>2</sup>, Marek Czajkowski<sup>3</sup>, Andrzej Zabek<sup>4</sup>

<sup>1</sup> Dept of Cardiology Medical University of Lublin, Lublin, Poland, <sup>2</sup> Dept of Interventional Radiology and Neuroradiology Medical University of Lublin, Lublin, Poland, <sup>3</sup> Dept of Cardiosurgery of Medical University of Lublin, Lublin, Poland, <sup>4</sup> Department of Cardiology, The John Paul II Hospital Krakow Poland, Lublin, Poland

**12-5 Abstract 23-19**

**PERCUTANEOUS EXTRACTION OF OVER 1600 PERMANENTLY IMPLANTED LEADS IN 937 PTS. USING MECHANICAL SYSTEMS - EFFECTIVENESS AND COMPLICATIONS**

Andrzej Kutarski<sup>1</sup>, Marek Czajkowski<sup>2</sup>, Radoslaw Pietura<sup>3</sup>, Barbara Malecka<sup>4</sup>

<sup>1</sup> Medical University of Lublin, Lublin, Poland, <sup>2</sup> Dept. of Cardiosurgery Medical University of Lublin, Lublin,

Poland, <sup>3</sup> Department of Interventional Radiology and Neuroradiology Medical University of Lublin, Lublin, Poland, <sup>4</sup> Dept. of Electrophysiology of Jagiellonian University of Cracow Poland, Cracow, Poland

## 12-6 Abstract 19-22

### ICD PULSE GENERATOR LONGEVITY: RESULTS FROM THE MULTICENTER REGISTRY

Linda Kallinen Retel <sup>1</sup>, Deepa McGriff <sup>1</sup>, Robert Hauser <sup>1</sup>, Jane Slabaugh <sup>2</sup>, Melissa Rott <sup>3</sup>, Melissa Rott <sup>3</sup>, Richard Trohman <sup>4</sup>

<sup>1</sup> Minneapolis Heart Institute Foundation, Minneapolis, United States, <sup>2</sup> University of Alabama, Birmingham, United States, <sup>3</sup> Mayo Clinic, Rochester, United States, <sup>4</sup> Rush University Medical Center, Chicago, United States

## SUNDAY, APRIL 22, 2012

8:30 AM -10:00 AM

COFFEE BREAK

## SUNDAY, APRIL 22, 2012

8:30 AM -10:00 AM

ROOM KONIGSSAAL

### SESSION - AB-05

Rare or unrecognized complications of AF catheter ablation: How to prevent them?

Chairpersons: Thorsten Lewalter (Munich, DE), Wyn Davies (London, DE)

1. **The stiff left atrial syndrome**  
Luigi Di Biase (Austin, USA)
2. **Asymptomatic cerebral emboli**  
Thomas Deneke (Bad Neustadt, DE)
3. **Bronchial erosion**  
Carl Timmermans (Maastricht, NL)
4. **Atrio-oesophageal fistula**  
Martin Martinek (Linz, AT)

## SUNDAY, APRIL 22, 2012

10:30 AM-12:00 AM

ROOM FURSTENSALON

### WORKSHOP WS-05

Advances in Syncope Management and orthostatic intolerance

Chairpersons: Jozsef Borbola (Budapest, HU), Gheorghe-Andrei Dan (Bucharest, RO)

1. **Organization of a syncope clinic**  
Antonio Raviele (Venice, IT)

- 2. Autonomic dysfunction, syncope and postural orthostatic hypotension**  
Blair Grubb (Toledo, USA)
- 3. Syncope in the context of structural heart disease**  
Dietrich Andresen (Berlin, DE)
- 4. Postural Orthostatic Tachycardia Syndrome (POTS)**  
David Benditt (Minneapolis, USA)

## **SUNDAY, APRIL 22, 2012**

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

**ROOM GELBERSALON**

### **WORKSHOP WS-06**

#### **Techniques and tools for AF ablation**

Chairpersons: Neil Sulke (Eastbourne, GB), Roberto de Ponti (Varese, IT)

- 1. Tips and tricks for transeptal catheterization**  
Roberto De Ponti (Varese, IT)
- 2. Complications that can arise and how to manage them?**  
Eugene Crystal (Toronto, CA)
- 3. Complex techniques including cold balloons, laser balloons in left atrial ablation**  
Wyn Davies (London, GB)
- 4. New catheter ablation tools: Real time contact force sensing**  
Dipen Shah (Geneva, CH)
- 5. Does AF ablation really work?**  
a) In all types of AF? b) In hybrid techniques? c) How should we monitor our results?  
Steve Furniss (London, GB)

## **SUNDAY, APRIL 22, 2012**

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

**ROOM MONTGELASSAAL**

### **SESSION HD-04**

#### **Sudden cardiac death and ICDs**

Chairpersons: Promund Obel (Johannesburg, ZA), Claude Barnay (Aix en Provence, FR)

- 1. Remote monitoring in hospital clinics**  
Robert Hauser (Chicago, USA)
- 2. Non-invasive risk stratification**  
Maria Teresa La Rovere (Pavia, IT)
- 3. Prophylactic ICDs in the elderly population: when is it justified?**

Gerhard Steinbeck (Munich, DE)

**4. Appropriate approach to prevent sudden death in heart failure patients**

Nabil El Sherif (New-York, USA)

**SUNDAY, APRIL 22, 2012**

**12:00PM- 12:30PM**

**ROOM FURSTENSALON**

*Presentation of the Best Posters and Awards  
to the Awardees of the Best Abstracts*