

**ABSTRACTS ACCEPTED FOR POSTER PRESENTATIONS  
ECAS 2018**

**16-1 Abstract 24-16**

**LEFT VENTRICULAR MASS PREDICTS RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY IN MEN BUT NOT WOMEN**

Chad Ward<sup>1</sup>, Hakeem Ayinde<sup>1</sup>, Casey Adams<sup>1</sup>, Oluwaseun Adeola<sup>1</sup>, Josiah Zubairu<sup>1</sup>, Musab Alqasrawi<sup>1</sup>, Christopher Dezorzi<sup>1</sup>, Ghanshyam Palamaner Subash Shantha<sup>1</sup>, James Hopson<sup>1</sup>, Gardar Sigurdsson<sup>1</sup>, Michael Giudici<sup>1</sup>

<sup>1</sup> *University of Iowa, Iowa City, United States*

**16-2 Abstract 05-14**

**A RANDOMISED CONTROLLED TRIAL ANALYSING NOVEL ECMS IN AF MONITORING: THE REMAP-AF TRIAL**

William Eysenck<sup>1</sup>, Nick Freemantle<sup>2</sup>, Oliver Waller<sup>1</sup>, Rick Veasey<sup>1</sup>, Stephen Furniss<sup>1</sup>, Neil Sulke<sup>1</sup>

<sup>1</sup> *Cardiology Research Department, Eastbourne General Hospital, East Sussex, United Kingdom,* <sup>2</sup> *Clinical Trials Unit, University College, London, United Kingdom*

**16-3 Abstract 05-11**

**THE USE OF A NOVEL SOFTWARE-BASED DATA MANAGEMENT SYSTEM TO STREAMLINE REMOTE MONITORING WORKFLOW IN THE EVALUATION OF IMPLANTABLE LOOP RECORDERS (ILR)**

Kevin Campbell<sup>1</sup>, Jason Hale<sup>1</sup>, Noemi Ray<sup>1</sup>

<sup>1</sup> *PaceMate, Raleigh, United States*

**16-4 Abstract 06-13**

**THE UTILITY AND EFFECTIVENESS OF AUTOMATED REMOTE MONITORING OF DEVICES AFTER HOURS (WEEKENDS AND HOLIDAYS)**

Kevin Campbell<sup>1</sup>

<sup>1</sup> *PaceMate, Raleigh, United States*

**16-5 Abstract 22-12**

**FLUOROSCOPY TIMES IN ELECTROPHYSIOLOGY AND DEVICE PROCEDURES: IMPACT OF SINGLE FRAME LOCATION FLUOROSCOPY**

Vinit Sawhney<sup>1</sup>, Holly Daw<sup>1</sup>, Sarah Whittaker-Axon<sup>1</sup>, Colin Allan<sup>1</sup>, Pier Lambiase<sup>1</sup>, Martin Lowe<sup>1</sup>, Mark Earley<sup>1</sup>, Simon Sporton<sup>1</sup>, Ross Hunter<sup>1</sup>, Richard Schilling<sup>1</sup>, Mehul Dhinoja<sup>1</sup>

<sup>1</sup> *Barts Heart Centre, London, United Kingdom*

**16-6 Abstract 05-10**

**ALTERING INTER-ELECTRODE DISTANCE, BUT NOT ORIENTATION, AFFECTS BIPOLAR ELECTROGRAM MORPHOLOGY**

Vignesh Dhileepan<sup>1</sup>, Konstantinos N Tzortzis<sup>1</sup>, Ian Mann<sup>1</sup>, Norman A Qureshi<sup>1</sup>, Elaine Lim<sup>2</sup>, Prapa Kanagaratnam<sup>1</sup>, André R Simon<sup>3</sup>, Chris D Cantwell<sup>1</sup>, Nicholas S Peters<sup>1</sup>, Rasheda A Chowdhury<sup>1</sup>

<sup>1</sup> *National Heart and Lung Institute, Imperial College London, London, United Kingdom,* <sup>2</sup> *Imperial College Healthcare NHS Trust, London, United Kingdom,* <sup>3</sup> *Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom*

**16-7 Abstract 07-19**

**HEART FAILURE PHENOTYPES CAN BE PREDICTED IN EX VIVO HUMAN CARDIAC TISSUE SLICES USING ELECTROGRAM MORPHOLOGY AND MACHINE LEARNING ALGORITHMS**

Konstantinos Tzortzis <sup>1</sup>, Andre Simon <sup>2</sup>, Filippo Perbellini <sup>1</sup>, Cesare Terracciano <sup>1</sup>, Rasheda A. Chowdhury <sup>1</sup>, Nicholas S. Peters <sup>1</sup>, Chris D. Cantwell <sup>1</sup>

<sup>1</sup> Imperial College London, London, United Kingdom, <sup>2</sup> Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom

**16-8 Abstract 28-13**

**DEPTH-RESOLVED, REAL-TIME AND VIDEO-RATE IMAGING OF RADIOFREQUENCY ABLATION LESIONS**

Erwin J. Alles <sup>1</sup>, Richard J. Colchester <sup>1</sup>, Yousuf Makki <sup>1</sup>, Sacha Noimark <sup>1</sup>, Edward Z. Zhang <sup>1</sup>, Paul C. Beard <sup>1</sup>, Ivan P. Parkin <sup>1</sup>, Malcolm C. Finley <sup>2</sup>, Adrien E. Desjardins <sup>1</sup>

<sup>1</sup> University College London, London, United Kingdom, <sup>2</sup> St Bartholomew's Hospital and Queen Mary University of London, London, United Kingdom

**16-9 Abstract 23-24**

**INTRA-OPERATIVE ANGIOVAC AS A TOOL IN DIFFERENTIATING VEGETATION VERSUS THROMBUS TO PREVENT UNWARRANTED LEAD EXTRACTION**

Miguel Leal <sup>1</sup>, Jill Triphan <sup>1</sup>, Anne Barnett <sup>1</sup>, Micah Roberts <sup>1</sup>, Graham Adsit <sup>1</sup>, Amanda Breuer <sup>1</sup>, Kurt Jacobson <sup>1</sup>

<sup>1</sup> University of Wisconsin, Madison, United States

**16-10 Abstract 05-12**

**THE UTILITY OF SOFTWARE-BASED ARTIFICIAL INTELLIGENCE REMOTE MONITORING DATA MANAGEMENT SYSTEMS IN CIED CLINICS**

Kevin Campbell <sup>1</sup>

<sup>1</sup> PaceMate, Raleigh, United States

**16-11 Abstract 25-13**

**WHEN TO STOP PULLING DURING PERCUTANEOUS LEAD EXTRACTION: ROLE OF COLLABORATIVE MULTIDISCIPLINARY TEAM APPROACH**

Gurjit Singh <sup>1</sup>, Marc K Lahiri <sup>1</sup>, Arfaat Khan <sup>1</sup>, Waddah Maskoun <sup>1</sup>, Claudio D Schuger <sup>1</sup>

<sup>1</sup> Henry Ford Hospital, Detroit, MI, United States

**16-12 Abstract 01-24**

**QUANTIFYING UNCERTAINTY IN A FULL ACTION POTENTIAL MODEL USING MACHINE LEARNING INFERENCE**

Charles Houston <sup>1</sup>, Rasheda A Chowdhury <sup>1</sup>, Fu Siong Ng <sup>1</sup>, Nicholas S Peters <sup>1</sup>, Emmanuel Dupont <sup>1</sup>, Chris D Cantwell <sup>1</sup>

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

**16-13 Abstract 01-20**

**IN REAL TIME SIMULATIONS OF IONIC MODELS FOR THE STUDY OF DEFIBRILLATION IN 2D AND 3D**

Yanyan Ji <sup>1</sup>, Abouzar Kaboudian <sup>1</sup>, Flavio Fenton <sup>1</sup>

<sup>1</sup> *Georgia Institute of Technology, Atlanta, United States*

**16-14 Abstract 01-10**

**ACUTE ALCOHOL CONSUMPTION AND EFFECTS ON CARDIAC EXCITATION, CONDUCTION, AND REPOLARIZATION – RESULTS FROM THE MUNICHBREW STUDY**

Moritz Sinner <sup>1</sup>, Cathrine Drobesch <sup>1</sup>, Rebecca Herbel <sup>1</sup>, Konstantinos Rizas <sup>1</sup>, Steffen Massberg <sup>1</sup>, Stefan Kääh <sup>1</sup>, Stefan Brunner <sup>1</sup>

<sup>1</sup> *Medizinische Klinik und Poliklinik I, LMU Klinikum der Universität München, München, Germany*

**16-15 Abstract 04-10**

**ANXIOUSHEART: WHEN BOTH CARDIAC AND ANXIOUS DISEASES MEET**

Valérie Long <sup>1</sup>, Marie-Claude Guertin <sup>1</sup>, Katia Dyrda <sup>1</sup>, Judith Brouillette <sup>1</sup>

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

**16-16 Abstract 15-52**

**DOES PULMONARY VEIN SLEEVE SIZE CORRELATE WITH LOCATION OF FOCAL TRIGGERS FOR ATRIAL FIBRILLATION?**

James Gabriels <sup>1</sup>, Jonah Zeitlin <sup>1</sup>, Mohammad Khan, <sup>1</sup>, Haisam Ismail <sup>1</sup>, Bruce Goldner <sup>1</sup>, Ram Jadonath <sup>1</sup>, Apoor Patel <sup>1</sup>, Stuart Beldner <sup>1</sup>

<sup>1</sup> *North Shore University Hospital - Northwell Health, Manhasset, United States*

**16-17 Abstract 01-22**

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

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

<sup>1</sup> *Imperial College London, London, United Kingdom*, <sup>2</sup> *King's College London, London, United Kingdom*

**16-18 Abstract 01-27**

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

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

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

**16-19 Abstract 01-13**

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

Efthymoulos Sokratous <sup>1</sup>, Konstantinos N. Tzortzis <sup>1</sup>, Norman Qureshi <sup>1</sup>, Prapa Kanagaratnam <sup>1</sup>, Chris D. Cantwell <sup>1</sup>, Rasheda A. Chowdhury <sup>1</sup>, Nicholas S. Peters <sup>1</sup>

<sup>1</sup> *National Heart and Lung Institute, Imperial College London, London, United Kingdom*

**16-20 Abstract 01-18**

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

Sarah Worsnick <sup>1</sup>, Angela Naperkowski <sup>1</sup>, Pugazhendhi Vijayaraman <sup>1</sup>

<sup>1</sup> *Geisinger Health System, Plains, United States*

**16-21 Abstract 03-12**

**FATAL ARRHYTHMIAS ASSOCIATED WITH GENETIC VARIANTS IN TYPE 2 RYANODINE RECEPTOR CHANNEL GENE**

Minoru Horie <sup>1</sup>

<sup>1</sup> *Shiga University of Medical Science, Otsu, Shiga, Japan*

**16-22 Abstract 03-13**

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

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

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

**16-23 Abstract 03-14**

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

Irina Rudaka <sup>1</sup>, Dmitrijs Rots <sup>2</sup>, Arturs Uzars <sup>2</sup>, Oskars Kalejs <sup>3</sup>, Linda Gailite <sup>2</sup>

<sup>1</sup> *Faculty of Continuing Education, Riga Stradiņš University, Riga, Latvia*, <sup>2</sup> *Scientific Laboratory of Molecular Genetics, Riga Stradiņš University, Riga, Latvia*, <sup>3</sup> *Pauls Stradiņš Clinical University Hospital, Riga, Latvia*

**16-24 Abstract 15-53**

**ELECTROPHYSIOLOGICAL PROPERTIES OF A SELECTIVE IK<sub>ACh</sub> INHIBITOR IN AN EQUINE, ATRIAL-TACHYPACING-INDUCED MODEL OF PERSISTENT ATRIAL FIBRILLATION**

Merle Friederike Fenner <sup>1</sup>, Eva Hesselkilde <sup>1</sup>, Helena Carstensen <sup>1</sup>, Sarah Nissen <sup>1</sup>, Christine Lunddahl <sup>1</sup>, Maja Jensen <sup>1</sup>, Ameli Loft-Andersen <sup>1</sup>, James Milnes <sup>2</sup>, Stefan Sattler <sup>3</sup>, Thomas Jespersen <sup>4</sup>, Rikke Buhl <sup>1</sup>

<sup>1</sup> *Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark*, <sup>2</sup> *Xention Ltd., Cambridge, United Kingdom*, <sup>3</sup> *Rigshospitalet, Department of Cardiology, Copenhagen, Denmark*, <sup>4</sup> *Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark*

**16-25 Abstract 15-16**

**EXPRESSION LEVEL AND STRUCTURAL CHANGES IN THE EQUINE HEART FOLLOWING ATRIAL FIBRILLATION**

Ditte Dybvald Kruse <sup>1</sup>, Eva Zander Hesselkilde <sup>2</sup>, Helena Carstensen <sup>2</sup>, Rikke Buhl <sup>2</sup>, Thomas Hartig Braunstein <sup>1</sup>, Thomas Jespersen <sup>1</sup>

<sup>1</sup> *Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark*, <sup>2</sup> *Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark*

**16-26 Abstract 18-23**

**LEFT ATRIAL SCAR BURDEN PREDICTS THE PERSISTENT VS PAROXYSMAL ATRIAL FIBRILLATION**

Oluwaseun Adeola <sup>1</sup>, Dinesh Voruganti <sup>1</sup>, Ghanshyam Shantha <sup>1</sup>, Chad Ward <sup>1</sup>, Amgad Mentias <sup>1</sup>, Michael

Giudici <sup>1</sup>

<sup>1</sup> *University of Iowa Hospitals, Iowa City, United States*

**16-27 Abstract 15-61**

**CYCLE LENGTH STATISTICS DURING ATRIAL FIBRILLATION REFLECT REFRACTORY PROPERTIES OF THE UNDERLYING SUBSTRATE**

Laura Anna Unger <sup>1</sup>, Tobias Oesterlein <sup>1</sup>, Peter Spector <sup>2</sup>, Armin Luik <sup>3</sup>, Claus Schmitt <sup>3</sup>, Axel Loewe <sup>1</sup>, Olaf Dössel <sup>1</sup>

<sup>1</sup> *Institute of Biomedical Engineering, Karlsruhe Institute of Technology, Karlsruhe, Germany,* <sup>2</sup> *College of Medicine, University of Vermont, Burlington, Vermont, United States,* <sup>3</sup> *Medizinische Klinik IV, Städtisches Klinikum Karlsruhe, Karlsruhe, Germany*

**16-28 Abstract 15-36**

**MODIFIED OMEGA-3 FATTY ACID PROFILES IN PATIENTS WITH IDIOPATHIC ATRIAL FIBRILLATION**

Jean Michel Maixent <sup>1</sup>, Wafaa El Mejaber <sup>2</sup>

<sup>1</sup> *Université de Toulon, toulon, France,* <sup>2</sup> *Sanofi, Paris, France*

**16-29 Abstract 15-21**

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

Yuliya Shaposhnikova <sup>1</sup>, Iryna Ilchenko <sup>1</sup>

<sup>1</sup> *Kharkiv National Medical University, Kharkiv, Ukraine*

**16-30 Abstract 01-19**

**DIGOXIN AND PUFA DURING DIGITALIS TREATMENT**

Monique Bernard <sup>1</sup>, Jean Michel Maixent <sup>2</sup>

<sup>1</sup> *Univercité Aix-Marseille, Marseille, France,* <sup>2</sup> *Université de Toulon, Toulon, France*

**16-31 Abstract 15-55**

**EFFECTS OF DOFETILIDE AND RANOLAZINE ON ATRIAL FIBRILLATORY RATE IN THE HORSE MODEL OF ACUTELY INDUCED ATRIAL FIBRILLATION**

Helena Carstensen <sup>1</sup>, Eva Z. Hesselkilde <sup>1</sup>, Thomas Jespersen <sup>2</sup>, Steen Pehrson <sup>3</sup>, Jonas Carlson <sup>4</sup>, Pyotr G. Platonov <sup>4</sup>, Rikke Buhl <sup>1</sup>

<sup>1</sup> *Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Taastrup, Denmark,* <sup>2</sup> *Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark,* <sup>3</sup> *Department of Cardiology, The Heart Centre, Copenhagen University Hospital, Copenhagen, Denmark,* <sup>4</sup> *Department of Cardiology, Clinical Sciences, Lund University, Lund, Sweden*

**16-32 Abstract 15-10**

**EFFECTS OF IBUTILIDE ON DISTRIBUTION OF AMPLITUDE AND FREQUENCY OF FIBRILLATORY INTRACARDIAC ELECTROGRAMS**

Habib Hajimolahoseini <sup>1</sup>, Javad Hashemi <sup>1</sup>, Damian Redfearn <sup>1</sup>

<sup>1</sup> *Cardiac Arrhythmia Signal Analysis Lab, School of Medicine, Queen's University, Kingston, Canada*

**16-33 Abstract 25-11**

**INCIDENCE OF APPROPRIATE ICD THERAPY AND MORTALITY IN RECIPIENTS OF**

### **PRIMARY PREVENTION BIVENTRICULAR ICDS**

Miguel Leal <sup>1</sup>, Brian Brown <sup>1</sup>, Zach Hollis <sup>1</sup>, Lee Eckhardt <sup>1</sup>, Ryan Kipp <sup>1</sup>

<sup>1</sup> *University of Wisconsin, Madison, United States*

### **16-34 Abstract 25-10**

#### **INCIDENCE OF EJECTION FRACTION IMPROVEMENT AND CORRELATION WITH OUTCOMES IN RECIPIENTS OF PRIMARY PREVENTION ICDS**

Miguel Leal <sup>1</sup>, Zach Hollis <sup>1</sup>, Lee Eckhardt <sup>1</sup>, Brian Brown <sup>1</sup>, Ryan Kipp <sup>1</sup>

<sup>1</sup> *University of Wisconsin, Madison, United States*

### **16-35 Abstract 07-11**

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

Andrea Orosz <sup>1</sup>, Tamás Szücsborus <sup>2</sup>, Lili Adrienn Szabó <sup>2</sup>, István Baczkó <sup>1</sup>, Viktória Nagy <sup>2</sup>, Tamás Forster <sup>2</sup>, J. Gyula Papp <sup>3</sup>, András Varró <sup>3</sup>, Róbert Sepp <sup>2</sup>

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

### **16-36 Abstract 19-18**

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

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

<sup>1</sup> *Barts Heart Centre, London, United Kingdom*

### **16-37 Abstract 19-19**

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

Gurjit Singh <sup>1</sup>, Marc K Singh <sup>1</sup>, Arfaat Khan <sup>1</sup>, Waddah Maskoun <sup>1</sup>, Claudio D Schuger <sup>1</sup>

<sup>1</sup> *Henry Ford Hospital, Detroit, MI, United States*

### **16-38 Abstract 31-14**

#### **PREDICTING MYOCARDIAL RECOVERY IN ARRHYTHMIA INDUCED CARDIOMYOPATHY PATIENTS: ROLE OF INDEX LEFT VENTRICULAR FUNCTION AND UNDERLYING STRUCTURAL HEART DISEASE**

Rakesh Gopinathannair <sup>1</sup>, Dhanunjaya Lakkireddy <sup>2</sup>, Rahul Dhawan <sup>1</sup>, Andrew Murray <sup>3</sup>, Talha Farid <sup>1</sup>, Brian Olshansky <sup>3</sup>

<sup>1</sup> *Section of Electrophysiology, University of Louisville, Louisville, United States,* <sup>2</sup> *University of Kansas Medical Center, Kansas City, United States,* <sup>3</sup> *Mercy Heart and Vascular Institute, Mason City, United States*

### **16-39 Abstract 31-13**

#### **CONDUCTIVE POLYMERS AFFECT MYOCARDIAL CONDUCTION VELOCITY BUT ARE NOT PRO-ARRHYTHMIC**

Richard Jabbour <sup>1</sup>, Kella Kapnisi <sup>1</sup>, Damia Mawad <sup>1</sup>, Balvinder Handa <sup>1</sup>, Catherine Mansfield <sup>1</sup>, Fillipo

Perbellini <sup>1</sup>, Cesare Terracciano <sup>1</sup>, Molly Stevens <sup>1</sup>, Godfrey Smith <sup>1</sup>, Nicholas Peters <sup>1</sup>, Fu Siong Ng <sup>1</sup>, Sian Harding <sup>1</sup>

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

**16-40 Abstract 19-12**

**MECHANICAL DISPERSION AS A PREDICTOR OF ARRHYTHMIC DEATH IN PATIENTS WITH ISCHAEMIC AND NON-ISCHAEMIC LEFT VENTRICULAR DYSFUNCTION**

Vincenzo Nissardi <sup>1</sup>, Roberta Montisci <sup>1</sup>, Cinzia Soro <sup>1</sup>, Roberto Floris <sup>2</sup>, Luigi Meloni <sup>1</sup>

<sup>1</sup> Azienda Ospedaliero-Universitaria - Cagliari, Cagliari, Italy, <sup>2</sup> Azienda per la Tutela della Salute - Sardegna, San Gavino, Italy

**16-41 Abstract 19-13**

**MYOCARDIUM SCINTIGRAPHY WITH <sup>123</sup>I-METAiodo-BENZYLguanidine IN EVALUATION OF THE VENTRICULAR TACHYARRHYTHMIA INCIDENCES IN PATIENTS WITH CORONARY ARTERY DISEASE AND ICD**

Tariel Atabekov <sup>1</sup>, Roman Batalov <sup>1</sup>, Svetlana Sazonova <sup>1</sup>, Sergey Popov <sup>1</sup>

<sup>1</sup> Cardiology Research Institute, Tomsk National Research Medical Centre, Russian Academy of Sciences, Tomsk, Russia

**16-42 Abstract 19-16**

**EFFECT OF HALOPERIDOL DURING ACUTE MYOCARDIAL INFARCTION ON CARDIAC FUNCTION AND ARRHYTHMIAS: A PORCINE MODEL**

Stefan M. Sattler <sup>1</sup>, Anniek F. Lubberding <sup>2</sup>, Charlotte B. Kristensen <sup>1</sup>, Shaida Panbachi <sup>2</sup>, Rasmus Møgelvang <sup>1</sup>, Reza Wakili <sup>3</sup>, Thomas Engstrøm <sup>1</sup>, Thomas Jespersen <sup>2</sup>, Jacob Tfelt-Hansen <sup>1</sup>

<sup>1</sup> Department of Cardiology, Heart Centre Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark, <sup>2</sup> Department of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark, <sup>3</sup> Klinik für Kardiologie und Angiologie, Universitätsklinikum Essen, Essen, Germany

**16-43 Abstract 08-10**

**THE SIGNIFICANCE OF EARLY REPOLARIZATION AND INCOMPLETE RIGHT BUNDLE BLOCK IN ATHLETES**

Samir Rafla <sup>1</sup>, Tarek El-Zawawy <sup>1</sup>, Gamal Abdel Nasser Mahmoud <sup>2</sup>

<sup>1</sup> Alexandria University-Cardiology Department, Alexandria, Egypt, <sup>2</sup> Biological Sciences and Sports Health Faculty of Sports, Alexandria Univ. Egypt, Alexandria, Egypt

**16-44 Abstract 19-10**

**INITIAL EXPERIENCE OF SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR**

Fuminori Odagiri <sup>1</sup>, Yuji Nakazato <sup>1</sup>, Yasutoshi Akiyama <sup>1</sup>, Hiroya Shimano <sup>1</sup>, Rie Takano <sup>1</sup>, Takashi Tokano <sup>1</sup>, Hiroyuki Daida <sup>2</sup>

<sup>1</sup> Department of Cardiology, Juntendo University Urayasu Hospital, Urayasu, Japan, <sup>2</sup> Department of Cardiology Juntendo University, Tokyo, Japan

**16-45 Abstract 01-15**

**IS CRISTA SUPRAVENTRICULARIS THE FULCRUM OF TORSADES DE POINTES?**

Guoliang Li <sup>1</sup>, Guy Fontaine <sup>1</sup>, Ardan Saguner <sup>2</sup>, Deniz Akdis <sup>2</sup>, Peng Liu <sup>3</sup>

<sup>1</sup> Institut de Cardiologie, Unité de Rythmologie, Groupe hospitalier Pitié-Salpêtrière, Paris, France, <sup>2</sup> University Heart Center Zurich, Zurich, Switzerland, <sup>3</sup> First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China

**16-46 Abstract 17-17**

**MECHANICAL AND ELECTRICAL DYSSYNCHRONY AS PREDICTORS OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH IMPLANTED CARIOVERTER DEFIBRILLATORS.**

Joshua Harrison <sup>1</sup>, Kavitha Kalluri <sup>1</sup>, Zachary Tushak <sup>1</sup>, Dalia Giedrimiene <sup>1</sup>, Lane Duvall <sup>1</sup>, Jeffrey Kluger <sup>1</sup>

<sup>1</sup> Hartford Hospital, Hartford, CT, United States

**16-47 Abstract 19-17**

**IMPAIRMENT OF QUALITY OF LIFE AMONG PATIENTS WITH WEARABLE CARIOVERTER DEFIBRILLATOR THERAPY (LIFEVEST®)**

Korbinian Lackermair <sup>1</sup>, Christoph Schuhmann <sup>1</sup>, Michaela Kubieniec <sup>1</sup>, Heidi Estnerr <sup>1</sup>, Stephanie Fichtner <sup>1</sup>

<sup>1</sup> University of Munich, Department of Cardiology, Munich, Germany

**16-48 Abstract 19-11**

**VENTRICULAR ARRHYTHMIA OCCURRENCE AND COMPLIANCE IN PATIENTS TREATED WITH THE WEARABLE CARIOVERTER DEFIBRILLATOR FOLLOWING PERCUTANEOUS CORONARY INTERVENTION**

Jérémy Barraud <sup>1</sup>, Pauline Pinon <sup>1</sup>, Marc Laine <sup>1</sup>, Jennifer Cautela <sup>1</sup>, Morgane Orabona <sup>1</sup>, Linda Koutbi <sup>2</sup>, Johan Pinto <sup>1</sup>, Franck Thuny <sup>1</sup>, Frédéric Franceschi <sup>2</sup>, Franck Paganelli <sup>1</sup>, Laurent Bonello <sup>1</sup>, Michael Peyrol <sup>1</sup>

<sup>1</sup> Aix-Marseille University, Assistance Publique - Hôpitaux de Marseille (AP-HM), Department of Cardiology, Hôpital Nord, France; Mediterranean Association for Research and Studies in Cardiology (MARS Cardio), France, Marseille, France, <sup>2</sup> Aix-Marseille University, Assistance Publique - Hôpitaux de Marseille (AP-HM), Department of Cardiology, Hôpital Timone, France., Marseille, France

**16-49 Abstract 04-14**

**NON-PULMONARY VEIN TRIGGERS OF ATRIAL FIBRILLATION IN PATIENTS WITH COMPLETE PULMONARY VEIN ISOLATION**

Min-young Kim <sup>1</sup>, Markus B Sikkell <sup>1</sup>, Afzal Sohaib <sup>2</sup>, Louisa Malcolm-Lawes <sup>2</sup>, Kevin Leong <sup>2</sup>, Vishal Luther <sup>2</sup>, Belinda Sandler <sup>1</sup>, Michael Koa-Wing <sup>2</sup>, Zachary Whinnett <sup>2</sup>, Norman Qureshi <sup>2</sup>, Fu Siong Ng <sup>2</sup>, Nicholas S Peters <sup>1</sup>, Wyn Davies <sup>2</sup>, Elaine Lim <sup>2</sup>, Michael Fudge <sup>2</sup>, Michelle Todd <sup>2</sup>, Ian Wright <sup>2</sup>, Nick W F Linton <sup>2</sup>, Phang Boon Lim <sup>2</sup>, Prapa Kanagaratnam <sup>1</sup>

<sup>1</sup> Imperial College London, London, United Kingdom, <sup>2</sup> Imperial College NHS Trust, London, United Kingdom

**16-50 Abstract 15-31**

**HEMODYNAMIC EFFECT OF PAROXYSMAL ATRIAL FIBRILLATION ABLATION IN PATIENTS WITH NORMAL AND MID-RANGE LEFT VENTRICULAR SYSTOLIC FUNCTION**

Aleksandra Lizewska-Springer <sup>1</sup>, Alicja Dąbrowska-Kugacka <sup>1</sup>, Łukasz Drelich <sup>1</sup>, Tomasz Królak <sup>1</sup>, Ewa Lewicka <sup>1</sup>, Grzegorz Raczak <sup>1</sup>

<sup>1</sup> Department of Cardiology and Electrotherapy Medical University of Gdańsk, Gdańsk, Poland



**16-51 Abstract 18-11**

**ANATOMICAL INVESTIGATION OF THE SINUS NODE ARTERY AND THE RADIOFREQUENCY APPLICATION SITES FOR CATHETER ABLATION OF ATRIAL FIBRILLATION.**

Tomomichi Suzuki<sup>1</sup>, Daizo Ishihara<sup>1</sup>, Shigeki Kobayashi<sup>1</sup>

<sup>1</sup> *Inazawa municipal hospital, Inazawa, Japan*

**16-52 Abstract 15-28**

**LEFT ATRIAL EJECTION FORCE PREDICTOR OF RECURRENCE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**

Horatiu Rus<sup>1</sup>, Elena Bobescu<sup>1</sup>, Cristina Dascalescu<sup>1</sup>, Cezar Luca<sup>1</sup>, Elena Grancea<sup>1</sup>

<sup>1</sup> *University Transilvania, Brasov, Romania*

**16-53 Abstract 18-21**

**ANATOMY OF THE PULMONARY VEINS AND CLINICAL OUTCOME AFTER PULMONARY VEIN ISOLATION IN PAROXYSMAL ATRIAL FIBRILLATION: A LARGE-SCALED SINGLE-CENTRE EXPERIENCE**

Lisette Wintgens<sup>1</sup>, Martijn Klaver<sup>1</sup>, Marisevi Chaldoupi<sup>2</sup>, Vincent van Dijk<sup>1</sup>, Arash Alipour<sup>1</sup>, Maurits Wijffels<sup>1</sup>, Jippe Balt<sup>1</sup>, Lucas Boersma<sup>1</sup>

<sup>1</sup> *St. Antonius Hospital, Nieuwegein, Netherlands*, <sup>2</sup> *Haga Hospital, The Hague, Netherlands*

**16-54 Abstract 15-18**

**SPECKLE-TRACKING ECHOCARDIOGRAPHY DURING CATHETER ABLATION IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**

Askhat Dubanaev<sup>1</sup>, Andrey Smorgon<sup>1</sup>, Evgeniy Archakov<sup>1</sup>, Stanislav Usenkov<sup>1</sup>, Roman Batalov<sup>1</sup>, Sergey Popov<sup>1</sup>

<sup>1</sup> *Cardiology Research Institute, Tomsk, Russia*

**16-55 Abstract 15-11**

**MID-TERM EXPERIENCE WITH A NOVEL HYBRID CRYO/RF FOCUSED TECHNIQUE IN PAROXYSMAL AND PERSISTENT ATRIAL FIBRILLATION – LOW VOLTAGE BRIDGE MAPPINGBACKGROUND: DESPITE ADVANCES IN CATHETER TECHNOLOGIES AND ENERGY SOURCES FOR ATRIAL FIBRILLATION (AF) ABLATION**

Michael Giudici<sup>1</sup>, Steven Bailin<sup>1</sup>, Hardik Doshi<sup>1</sup>, Siva Krothapalli<sup>1</sup>

<sup>1</sup> *University of Iowa Hospitals, Iowa City, United States*

**16-56 Abstract 01-11**

**NON-PATIENT SPECIFIED MODELING PAROXYSMAL AND PERSISTENT ATRIAL FIBRILLATION ABLATION APPROACHES AND THEIR EXTRAPOLATION TO CLINICAL RESULTS**

Evgeny Zhelyakov<sup>1</sup>, Mikhail Mazurov<sup>2</sup>, Andrey Ardashev<sup>1</sup>, Yury Belenkov<sup>1</sup>

<sup>1</sup> *Moscow State University, Moscow, Russia*, <sup>2</sup> *Economic and Statistic University, Moscow, Russia*

**16-57 Abstract 15-47**

**SINUS RHYTHM RECOVERY AFTER ATRIAL FIBRILLATION RADIOFREQUENCY ABLATION IS NOT ASSOCIATED WITH LONGER SURVIVAL IN PATIENTS AGED > 75 YEAR UNDERGOING MITRAL VALVE SURGERY**

Carlo Rostagno 1, Pier Luigi Stefano 2 1 Dipartimento Medicina Sperimentale e Clinica Università di Firenze, Firenze, Italy, 2 Cardiochirurgia AOU Careggi , Firenze, Italy

**16-58 Abstract 07-23**

**PREVALENCE OF SIGNIFICANT CORONARY DISEASE IDENTIFIED BY PRE-ATRIAL FIBRILLATION ABLATION CARDIAC CT ANGIOGRAPHY**

Meet Patel <sup>1</sup>, Vishal Goyal <sup>1</sup>, Ilana Kutinsky <sup>1</sup>

<sup>1</sup> *Beaumont Health, Royal Oak, Michigan, United States*

**16-59 Abstract 18-17**

**ENTRAPMENT OF LASSO CATHETER IN CHIARI NETWORK WITH SUCCESSFUL EXTRACTION**

Sarah Worsnick <sup>1</sup>, Angela Naperkowski <sup>1</sup>, Pugazhendhi Vijayaraman <sup>1</sup>

<sup>1</sup> *Geisinger Health System, Plains, United States*

**16-60 Abstract 18-42**

**META ANALYSIS OF FLUOROSCOPY REDUCTION TECHNIQUES FOR ATRIAL FIBRILLATION ABLATION**

John Ferguson <sup>1</sup>

<sup>1</sup> *UVA Health Science Center, Charlottesville, United States*

**16-61 Abstract 18-43**

**PULMONARY VEIN STENOSIS AFTER RADIOFREQUENCY ABLATION FOR ATRIAL FIBRILLATION**

Guoliang Li <sup>1</sup>, Peng Liu <sup>1</sup>, Chaofeng Sun <sup>1</sup>, Lingping Xu <sup>2</sup>

<sup>1</sup> *First Affiliated Hospital of Xi'an Jiaotong University, Xi'an , China,* <sup>2</sup> *Xian Yang Central Hospital, Xian Yang, China*

**16-62 Abstract 18-44**

**RESULTS OF LESION SIZE INDEX GUIDED ABLATION OF PAROXYSMAL ATRIAL FIBRILLATION**

Nway Ko Ko <sup>1</sup>, Uyanga Batnyam <sup>1</sup>, Usman Siddiqui <sup>1</sup>

<sup>1</sup> *University of Central Florida, Orlando, United States*

**16-63 Abstract 18-41**

**PROCEDURAL AND CLINICAL DETERMINANTS OF ACUTE SUCCESS OF DRIVER ABLATION FOR PERSISTENT ATRIAL FIBRILLATION**

Albert Rogers <sup>1</sup>, Tina Baykaner <sup>1</sup>, Joao Mesquita <sup>2</sup>, Fatemah Shenasa <sup>1</sup>, Mallika Tamboli <sup>1</sup>, Mohan Viswanathan <sup>1</sup>, Paul Wang <sup>1</sup>, Sanjiv Narayan <sup>1</sup>, Stefan Spitzer <sup>3</sup>, Tamas Szili-Torok <sup>4</sup>

<sup>1</sup> *Stanford University, Stanford, United States,* <sup>2</sup> *Hospital de Santa Cruz, Carnaxide, Portugal,* <sup>3</sup> *Praxisklinik Herz und GefäÙe, Dresden, Germany,* <sup>4</sup> *Erasmus MC, Rotterdam, Netherlands*

**16-64 Abstract 18-40**

**PROCEDURAL EFFICACY AND SAFETY OF THE GLOBALLY LARGEST PROSPECTIVE SINGLE CENTER REGISTRY FOR PVAC GOLD PV ISOLATION FOR AF.**

Martijn Klaver <sup>1</sup>, Lisette Wintgens <sup>1</sup>, Vincent van Dijk <sup>1</sup>, Maurits Wijffels <sup>1</sup>, Jippe Balt <sup>1</sup>, Lucas

Boersma <sup>1</sup>

<sup>1</sup> *St. Antonius Hospital, Nieuwegein, Netherlands*

**16-65 Abstract 15-17**

**THE INTRACARDIAC SPECKLE-TRACKING ECHOCARDIOGRAPHY AS A METHOD OF THE CRYOABLATION EFFICACY ASSESSMENT IN PATIENTS WITH ATRIAL FIBRILLATION**

Andrey Smorgon <sup>1</sup>

<sup>1</sup> *Scientific Research Institute Of Cardiology, Tomsk, Russia*

**16-66 Abstract 26-10**

**THE IMPACT OF BRADYCARDIA MANAGEMENT STRATEGIES ON HOSPITALIZATION COSTS IN THE UNITED STATES**

Victor Abrich <sup>1</sup>, Matthew Spear <sup>2</sup>, Banveet Khetarpal <sup>1</sup>, Mac McCullough <sup>2</sup>, Siva Mulpuru <sup>1</sup>, Eric Yang <sup>1</sup>

<sup>1</sup> *Mayo Clinic Arizona, Phoenix, United States*, <sup>2</sup> *Arizona State University, Phoenix, United States*

**16-67 Abstract 23-18**

**EVALUATION OF EXPANSION AND OUTCOME OF THE INFECTIVE PROCESS IN CARDIAC ELECTRONIC DEVICES RECIPIENTS- PREDICTIVE VALUE OF BIOCHEMICAL PARAMETERS**

Anna Polewczyk <sup>1</sup>, Wojciech Jachec <sup>2</sup>, Maciej Polewczyk <sup>1</sup>, Andrzej Tomasik <sup>2</sup>, Andrzej Kutarski <sup>3</sup>

<sup>1</sup> *Faculty of Medicine and Health Studies, Jan Kochanowski University, Kielce, Poland* *Department of Cardiology, Swietokrzyskie Cardiology Center, Kielce, Poland, Kielce, Poland*, <sup>2</sup> *2nd Department of Cardiology, Medical University of Silesia in Katowice, School of Medicine with the Division of Dentistry in Zabrze, Poland, Zabrze, Poland*, <sup>3</sup> *Department of Cardiology, Medical University, Lublin, Poland, Lublin, Poland*

**16-68 Abstract 15-54**

**ABLATION OR PACING, WHICH GOES FIRST FOR PATIENTS WITH TACHYCARDIA-BRADYCARDIA SYNDROME: TWO CASE COMPARISON AND CLINICAL ENLIGHTENMENT**

Dan Han <sup>1</sup>, Jianqing She <sup>1</sup>, Hui Guo <sup>1</sup>, Chaofeng Sun <sup>1</sup>, Hongbing Li <sup>1</sup>

<sup>1</sup> *First Hospital of Xi'an Jiaotong University, Xi'an, China*

**16-69 Abstract 24-18**

**INTERMITTENT WIDE QRS DURING BIVENTRICULAR PACING? WHAT IS THE MECHANISM?**

Gurjit Singh <sup>1</sup>, Arfaat Khan <sup>1</sup>, Marc K Lahiri <sup>1</sup>, Waddah Maskoun <sup>1</sup>, Claudio D Schuger <sup>1</sup>

<sup>1</sup> *Henry Ford Hospital, Detroit, MI, United States*

**16-70 Abstract 01-12**

**A CASE OF PAUSE-DEPENDENT PAROXYSMAL PHASE IV ATRIOVENTRICULAR BLOCK PRESENTING WITH RECURRENT SYNCOPE**

Kelvin Bush <sup>1</sup>, Linda Huffer <sup>1</sup>, Gregg Gerasimon <sup>1</sup>

<sup>1</sup> *San Antonio Military Medical Center, San Antonio, United States*

**16-71 Abstract 28-11**

**NEAR-ZERO FLUOROSCOPY PACEMAKER IMPLANTATION IN PREGNANCY: THE ESSENTIAL TOOL OF ELECTROANATOMIC MAPPING**

Maurizio Del Greco <sup>1</sup>, Francesco Peruzza <sup>1</sup>, Massimiliano Maines <sup>1</sup>, Carlo Angheben <sup>1</sup>, Domenico Catanzariti <sup>1</sup>

<sup>1</sup> *Ospedale Santa Maria del Carmine, Rovereto, Italy*

**16-72 Abstract 23-22**

**DETECTION OF COMPLICATIONS POST PACEMAKER IMPLANTATION**

Chad Ward <sup>1</sup>, Michael Giudici <sup>1</sup>, Oluwaseun Adeola <sup>1</sup>, Musab Alqasrawi <sup>1</sup>, Brodie Marthaler <sup>1</sup>

<sup>1</sup> *University of Iowa Hospitals and Clinics, Iowa City, United States*

**16-73 Abstract 08-12**

**AURICULO VENTRICULAR BLOCK IN ACUTE CORONARY SYNDROME WITH ST SEGMENT ELEVATION (STEMI): INCIDENCE AND PROGNOSTIC SIGNIFICANCE**

Marouane Mahjoub <sup>1</sup>, Wajih Abdallah <sup>1</sup>, Mejdi Ben Messaoud <sup>1</sup>, Wassim Saoudi <sup>1</sup>, Ala Jalled <sup>1</sup>, Aymen Najjar <sup>1</sup>, Majed Hassine <sup>1</sup>, Zohra Dridi <sup>1</sup>, Fethi Betbout <sup>1</sup>, Habib Gamra <sup>1</sup>

<sup>1</sup> *Cardiology department A : Fattouma Bourguiba University Hospital, Monastir, Tunisie*

**16-74 Abstract 23-17**

**UNRECOGNIZED MALPOSITION OF A HIS BUNDLE PACING LEAD IN THE LEFT VENTRICLE VIA AN INTACT ATRIAL SEPTUM**

Sarah Worsnick <sup>1</sup>, Angela Naperkowski <sup>1</sup>, Ragesh Panikkath <sup>1</sup>, Pugazhendhi Vijayaraman <sup>1</sup>

<sup>1</sup> *Geisinger Health System, Wilkes Barre, United States*

**16-75 Abstract 23-16**

**MODIFIED TECHNIQUE FOR HIS BUNDLE PACING AND ITS EVALUATION WITH STRAIN RATE**

Oscar Bazán Rodríguez <sup>1</sup>, Eduardo Del Río Bravo <sup>1</sup>, Carlos Gutierrez González <sup>1</sup>, Carlos González Rebeles <sup>1</sup>, Cynthia Ortiz <sup>1</sup>, Jaime Sánchez <sup>1</sup>, Luis Molina <sup>1</sup>

<sup>1</sup> *Electrophysiology Laboratory UNAM., City of México, Mexico*

**16-76 Abstract 18-25**

**EFFICIENT APPROACH FOR ATRIOVENTRICULAR JUNCTION ABLATION WITH PACEMAKER IMPLANTATION**

Mohammed Djelmami-Hani <sup>1</sup>, Danielle Martin <sup>1</sup>, Emily Queen <sup>1</sup>, Julie Solie <sup>1</sup>, Jasbir Sra <sup>1</sup>

<sup>1</sup> *Aurora Health Care, Milwaukee, United States*

**16-77 Abstract 15-45**

**SHORT TERM CARDIAC MONITORING OF PATIENTS WITH SEVERE SLEEP APNEA DOES NOT ALLOW FOR THE PREDICTION OF ATRIAL FIBRILLATION**

Cynthia Yeung <sup>1</sup>, Doran Drew <sup>1</sup>, Sharlene Hammond <sup>1</sup>, Gwen Ewart <sup>1</sup>, Laiden Suarez-Fuster <sup>1</sup>, Damian Redfean <sup>1</sup>, Christopher Simpson <sup>1</sup>, Hoshiar Abdollah <sup>1</sup>, Benedict Glover <sup>1</sup>, Adrian Baranchuk <sup>1</sup>

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

**16-78 Abstract 15-44**

**EXTENDED CARDIAC MONITORING IN PATIENTS WITH SEVERE SLEEP APNEA AND NO HISTORY OF ATRIAL FIBRILLATION (THE REVEAL XT-SA STUDY)**

Cynthia Yeung <sup>1</sup>, Doran Drew <sup>1</sup>, Sharlene Hammond <sup>1</sup>, Gwen Ewart <sup>1</sup>, Damian Redfearn <sup>1</sup>, Christopher Simpson <sup>1</sup>, Hoshiar Abdollah <sup>1</sup>, Benedict Glover <sup>1</sup>, Adrian Baranchuk <sup>1</sup>  
<sup>1</sup> *Queen's University, Kingston, Canada*

**16-79 Abstract 14-12**

**ARRHYTHMIA OUTREACH SERVICE**

Valentino Oriolo <sup>1</sup>, Anna Sice <sup>1</sup>

<sup>1</sup> *University Hospitals Bristol NHS Foundation Trust, Bristol, United Kingdom*

**16-80 Abstract 24-19**

**A LARGE VEIN OF MARSHALL ANEURYSM**

Gurjit Singh <sup>1</sup>, Arfaat Khan <sup>1</sup>, Marc K Singh <sup>1</sup>, Waddah Maskoun <sup>1</sup>, Claudio D Schuger <sup>1</sup>

<sup>1</sup> *Henry Ford Hospital, Detroit, MI, United States*

**16-81 Abstract 24-13**

**CORONARY AND MAGNA CARDIAC VEIN ELECTROANATOMIC MAPPING PREDICTS THE CORONARY BRANCH SITE WITH LONGER ACTIVATION DELAY**

Massimiliano Maines <sup>1</sup>, Francesco Peruzza <sup>1</sup>, Alessandro Zorzi <sup>1</sup>, Carlo Angheben <sup>1</sup>, Domenico Catanzariti <sup>1</sup>, Maurizio Del Greco <sup>1</sup>

<sup>1</sup> *Ospedale Santa Maria del Carmine, Rovereto, Italy*

**16-82 Abstract 18-39**

**RETROGRADE CORONARY VENOUS AND INTRACORONARY ETHANOL ABLATION OF VENTRICULAR ECTOPICS: A CASE SERIES**

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

<sup>1</sup> *Barts Heart Centre, London, United Kingdom*

**16-83 Abstract 18-45**

**DIFFERENT RESPONSE TO RADIOFREQUENCY ENERGY AND FOCUS DEPTH IN EFFECTIVE PREMATURE VENTRICULAR COMPLEXES ABLATION.**

Giuseppina Belotti <sup>1</sup>, Paola Negrini <sup>1</sup>, Maria Elisabetta Bellebono <sup>1</sup>

<sup>1</sup> *ASST Bergamo Ovest, Treviglio, Italy*

**16-84 Abstract 18-47**

**CLINICAL EFFICACY OF REMOTE MAGNETIC NAVIGATION GUIDED CATHETER ABLATION OF PREMATURE VENTRICULAR CONTRACTIONS**

Gurjit Singh <sup>1</sup>, Marc K Lahiri <sup>1</sup>, Arfaat Khan <sup>1</sup>, Claudio D Schuger <sup>1</sup>

<sup>1</sup> *Henry Ford Hospital, Detroit, MI, United States*

**16-85 Abstract 18-31**

**DOES ANTI-THROMBOTIC USE IMPACT COMPLICATION RATES IN PATIENTS UNDERGOING VT OR PVC ABLATION?**

Douglas Cannie <sup>1</sup>, Jem Lane <sup>1</sup>, Elena Volkova <sup>1</sup>, Anthony Chow <sup>1</sup>, Mark Earley <sup>1</sup>, Ross Hunter <sup>1</sup>, Fakhra Khan <sup>1</sup>, Pier Lambiase <sup>1</sup>, Richard Schilling <sup>1</sup>, Simon Sporton <sup>1</sup>, Mehul Dhinoja <sup>1</sup>

<sup>1</sup> *Barts Heart Centre, London, United Kingdom*

**16-86 Abstract 17-12**

**PREMATURE VENTRICULAR CONTRACTIONS ORIGINATING FROM LEFT VENTRICLE CLOSE TO THE HIS BUNDLE REGION.**

Tomomichi Suzuki <sup>1</sup>, Daizo Ishihara <sup>1</sup>, Shigeki Kobayashi <sup>1</sup>

<sup>1</sup> *Department of Cardiology, Inazawa municipal hospital, Inazawa, Japan*

**16-87 Abstract 28-10**

**THE ROLE OF PREOPERATIVE NONINVASIVE MAPPING IN THE ELIMINATION OF VENTRICULAR ARRHYTHMIAS**

Elena Artyukhina <sup>1</sup>, Amiran Revishvili <sup>1</sup>, Maxim Yshkov <sup>1</sup>

<sup>1</sup> *Institute of Surgery named after A.V. Vishnevsky, Moscow, Russia*

**16-88 Abstract 15-39**

**QI AND AUDIT PROJECT ON IMPROVEMENT OF ANTICOAGULATION IN ATRIAL FIBRILLATION TO PREVENT ISCHAEMIC STROKE USING A RISK STRATIFYING DISCHARGE CHECKLIST**

Omotomilola Bajomo <sup>1</sup>, Aye Hline <sup>1</sup>, Fred Foo <sup>1</sup>

<sup>1</sup> *Barking, Havering and Redbridge NHS Trust, London, United Kingdom*

**16-89 Abstract 07-13**

**HIGH SAMETT2R2 DOES NOT PREDICT POOR ANTICOAGULATION WITH WARFARIN IN A COLOMBIAN POPULATION**

Guillermo Mora <sup>1</sup>, Carmenza Sandoval <sup>1</sup>, Fabio Sierra <sup>1</sup>, Martha Hernandez <sup>2</sup>

<sup>1</sup> *Universidad Nacional de Colombia, Bogota, Colombia,* <sup>2</sup> *Clínica Colombia, Bogota, Colombia*

**16-90 Abstract 15-60**

**RETRO-MAPPING: A NOVEL 5D MAPPING METHOD FOR ATRIAL FIBRILLATION SHOWS SPATIOTEMPORAL STABILITY**

Ian Mann <sup>1</sup>, Nick Linton <sup>1</sup>, Szabolcs Nagy <sup>1</sup>, Norman Qureshi <sup>1</sup>, Mike Koa-Wing <sup>1</sup>, Phang Boon Lim <sup>1</sup>, Zachary Whinnett <sup>1</sup>, D. Wyn Davies <sup>1</sup>, David Lefroy <sup>1</sup>, Darrel Francis <sup>1</sup>, Nicholas Peters <sup>1</sup>, Prapa Kanagaratnam <sup>1</sup>

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

**16-91 Abstract 15-51**

**THE USE OF BEAT TO BEAT NON-INVASIVE 3D MAPPING TO GUIDE CONCOMITANT SURGICAL ABLATION FOR ATRIAL FIBRILLATION: FIRST CLINICAL APPLICATION**

Marek Ehrlich <sup>1</sup>, Stephane Mahr <sup>1</sup>, Lore Schrutka <sup>2</sup>, Niv Ad <sup>3</sup>, Günther Laufer <sup>1</sup>, Günter Stix <sup>2</sup>

<sup>1</sup> *Dept. Cardiac Surgery, Univ. of Vienna, Vienna, Austria,* <sup>2</sup> *Dept. Cardiology, Univ. of Vienna, Vienna, Austria,* <sup>3</sup> *Washington Adventist Hospital, Washington, United States*

**16-92 Abstract 18-38**

**UTILITY OF ULTRA-HIGH-DENSITY ACTIVATION MAPPING FOR ABLATION IN CONGENITAL HEART DISEASE COMPARED TO STRUCTURALLY NORMAL HEARTS**

Vinit Sawhney <sup>1</sup>, Sarah Whittaker-Axon <sup>1</sup>, Luisa Baca <sup>1</sup>, Holly Daw <sup>1</sup>, Anthony Chow <sup>1</sup>, Pier Lambiase <sup>1</sup>, Vivienne Ezzat <sup>1</sup>, Martin Lowe <sup>1</sup>

<sup>1</sup> *Barts Heart Centre, London, United Kingdom*

**16-93 Abstract 08-14**

**IMPACT OF CLINICAL PROFILE ON CONDUCTION ACROSS BACHMANN'S BUNDLE DURING SINUS RHYTHM**

Christophe Teuwen<sup>1</sup>, Lisette van der Does<sup>1</sup>, Charles Kik<sup>1</sup>, Elisabeth Mouws<sup>1</sup>, Eva Lanthers<sup>1</sup>, Paul Knops<sup>1</sup>, Yannick Taverne<sup>1</sup>, Ad Bogers<sup>1</sup>, Natasja de Groot<sup>1</sup>

<sup>1</sup> *Erasmus Medical Center, Rotterdam, Netherlands*

**16-94 Abstract 08-13**

**QUANTIFICATION OF THE ARRHYTHMOGENIC EFFECTS OF SPONTANEOUS ATRIAL EXTRASYSTOLE USING HIGH-RESOLUTION EPICARDIAL MAPPING**

Christophe P. Teuwen<sup>1</sup>, Charles Kik<sup>1</sup>, Lisette J.M.E. van der Does<sup>1</sup>, Eva A.H. Lanthers<sup>1</sup>, Paul Knops<sup>1</sup>, Elisabeth M.J.P. Mouws<sup>1</sup>, Ad J.J.C. Bogers<sup>1</sup>, Natasja M.S. de Groot<sup>1</sup>

<sup>1</sup> *Erasmus Medical Cente, Rotterdam, Netherlands*

**16-95 Abstract 18-34**

**BIPOLAR VOLTAGE VARIABILITY IN LEFT ATRIAL ULTRA-HIGH-DENSITY 3D MAPS (RHYTHMIA®) IN PATIENTS WITH PAROXYSMAL AF**

Korbinian Lackermair<sup>1</sup>, Konstantinos Rizas<sup>1</sup>, Moritz Sinner<sup>1</sup>, Stephanie Fichtner<sup>1</sup>, Heidi Estner<sup>1</sup>

<sup>1</sup> *University of Munich, Department of Cardiology, Munich, Germany*

**16-96 Abstract 28-14**

**HIGH DENSITY MAPPING OF RECURRENT RIGHT ATRIAL FLUTTER IN A BIATRIAL ORTHOTOPIC HEART TRANSPLANT RECIPIENT**

Gurjit Singh<sup>1</sup>, Arfaat Khan<sup>1</sup>, Marc K Lahiri<sup>1</sup>, Waddah Maskoun<sup>1</sup>, Claudio D Schuger<sup>1</sup>

<sup>1</sup> *Henry Ford Hospital, Detroit, MI, United States*

**16-97 Abstract 18-33**

**BIPOLAR VOLTAGE VARIABILITY IN LEFT ATRIAL ULTRA-HIGH-DENSITY 3D MAPS (RHYTHMIA®) IN PATIENTS UNDERGOING PULMONARY VEIN ISOLATION**

Korbinian Lackermair<sup>1</sup>, Kostantinos Rizas<sup>1</sup>, Moritz Sinner<sup>1</sup>, Stephanie Fichtner<sup>1</sup>, Heidi Estner<sup>1</sup>

<sup>1</sup> *University of Munich, Department of Cardiology, Munich, Germany*

**16-98 Abstract 18-36**

**ATRIAL TACHYARRHYTHMIA ABLATION IN LATERAL TUNNEL FONTAN PATIENTS: A CASE SERIES**

Vinit Sawhney<sup>1</sup>, Holly Daw<sup>1</sup>, Sarah Whittaker-Axon<sup>1</sup>, Seamus Cullen<sup>1</sup>, Katherine Von Klemperer<sup>1</sup>, Bejal Pandya<sup>1</sup>, Fiona Walker<sup>1</sup>, Martin Lowe<sup>1</sup>, Vivienne Ezzat<sup>1</sup>

<sup>1</sup> *Barts Heart Centre, London, United Kingdom*

**16-99 Abstract 15-41**

**MOST COMMON POTENTIAL DRUG INTERACTIONS WITH ORAL ANTICOAGULANTS FOR ATRIAL FIBRILLATION PATIENTS**

Ketija Apsite<sup>1</sup>, Katrina Pukite<sup>1</sup>, Andris Tupahins<sup>1</sup>, Natalija Nikrus<sup>1</sup>, Baiba Lurina<sup>1</sup>, Irina Pupkevica<sup>1</sup>, Aivars Lejnicks<sup>1</sup>, Oskars Kalejs<sup>1</sup>

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

**16-100 Abstract 15-42**

**DOES GOUT MATTER IN PATIENTS WITH ATRIAL FIBRILLATION?**

Antoniya Kisheva <sup>1</sup>, Yoto Yotov <sup>1</sup>, Trifon Chervenkov <sup>1</sup>, Yana Bocheva <sup>1</sup>

<sup>1</sup> *University hospital "St Marina", Varna, Bulgaria*

**16-101 Abstract 15-46**

**FEASIBILITY OF NON-INVASIVE ASSESSMENT OF ATRIAL FIBRILLATORY RATE AND ITS MODIFICATION BY FLECAINIDE IN HORSES WITH INDUCED ATRIAL FIBRILLATION**

Eva Zander Hesselkilde <sup>1</sup>, Helena Carstensen <sup>1</sup>, Maria Mathilde Haugaard <sup>1</sup>, Jonas Carlson <sup>2</sup>, Thomas Jespersen <sup>3</sup>, Rikke Buhl <sup>1</sup>, Pyotr G. Platonov <sup>2</sup>

<sup>1</sup> *Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark*, <sup>2</sup> *Department of Cardiology, Clinical Sciences, Lund University, Lund, Sweden, Lund, Sweden*, <sup>3</sup> *Department of Biomedicine Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark*

**16-102 Abstract 15-49**

**POSTOPERATIVE ATRIAL FIBRILLATION IN PATIENTS UNDERGOING SURGERY FOR HIP FRACTURE**

Carlo Rostagno <sup>1</sup>, Alessandro Cartei <sup>2</sup>, Claudia Ranalli <sup>2</sup>, Andrea Carlo Rostagno <sup>2</sup>, Gian Luca Polidori <sup>2</sup>, Roberto Civinini <sup>3</sup>, Massimo Innocenti <sup>3</sup>

<sup>1</sup> *Dipartimento Medicina Sperimentale e Clinica Università di Firenze, Firenze, Italy*, <sup>2</sup> *Medicina Interna e post-chirurgica AOU Careggi, Firenze, Italy*, <sup>3</sup> *Traumatologia AOU Careggi, Firenze, Italy*

**16-103 Abstract 14-10**

**ATRIAL ARRHYTHMIAS IN ADULTS WITH FONTAN CIRCULATION**

Darryl Wan <sup>1</sup>, Jasmine Grewal <sup>1</sup>, Amanda Barlow <sup>1</sup>, Marla Kiess <sup>1</sup>, Derek Human <sup>1</sup>, Andrew D. Krahn <sup>1</sup>, Santabhanu Chakrabarti <sup>1</sup>

<sup>1</sup> *University of British Columbia, Vancouver, Canada*

**16-104 Abstract 26-11**

**A NEW MANAGEMENT STRATEGY FOR AF IN THE EMERGENCY DEPARTMENT**

Sorabh Kothari <sup>1</sup>, Sujeen Adhikari <sup>1</sup>, Michelle Nellett <sup>2</sup>, William Spear <sup>2</sup>

<sup>1</sup> *University of Illinois Chicago/Advocate Christ Medical Center, Oak Lawn, United States*, <sup>2</sup> *Advocate Christ Medical Center, Oak Lawn, United States*

**16-105 Abstract 28-12**

**DIFFERENCES IN ATRIAL FIBRILLATION DRIVER CHARACTERISTICS ON 2D GRIDS COMPARED TO PATIENT-SPECIFIC 3D ATRIAL CONTOURS**

Albert Rogers <sup>1</sup>, Orvil Collart <sup>1</sup>, Ricardo Abad <sup>1</sup>, Rachita Navara <sup>1</sup>, Mark Swerdlow <sup>1</sup>, Mahmood Alhousseini <sup>1</sup>, Miguel Rodrigo <sup>1</sup>, Christopher Kowalewski <sup>1</sup>, Junaid Zaman <sup>1</sup>, Tina Baykaner <sup>1</sup>, Wouter-Jan Rappel <sup>1</sup>, Sanjiv Narayan <sup>1</sup>

<sup>1</sup> *Stanford University, Stanford, United States*

**16-106 Abstract 18-22**

**LEFT ATRIAL DIAMETER DOES NOT PREDICT LEFT ATRIAL SCAR BURDEN: A COHORT STUDY**

Dinesh Voruganti <sup>1</sup>, Oluwaseun Adeola <sup>1</sup>, Ghanshyam Shantha <sup>1</sup>, Amgad Mentias <sup>1</sup>, Chad Ward <sup>1</sup>, Michael



Giudici <sup>1</sup>

<sup>1</sup> *University of Iowa Hospitals, Iowa City, United States*

**16-107 Abstract 18-46**

**ABLATION OF ATRIO-VENTRICULAR NODAL REENTRY TACHYCARDIA WITH A FORCED SENSE AND OPEN IRRIGATED CATHETER: A SINGLE CENTER EXPERIENCE**

Bengt Herweg <sup>1</sup>, Nicholas Kotch <sup>1</sup>, Anant Kharod <sup>1</sup>, Sanders Chae <sup>1</sup>, Michael Fradley <sup>1</sup>, Raymond Cutro <sup>1</sup>, David Wilson <sup>1</sup>

<sup>1</sup> *University of South Florida Morsani College of Medicine, Tampa, Florida, United States*

**16-108 Abstract 15-22**

**PREVENTION OF ATRIAL FIBRILLATION BY STATINS IN THE ACUTE CORONARY SYNDROM WITH ST SEGMENT ELEVATION (STEMI)**

Marouane Mahjoub <sup>1</sup>, Waies Labidi <sup>1</sup>, Mejd Ben Messaoud <sup>1</sup>, Ayoub Belfkih <sup>1</sup>, Majed Hassine <sup>1</sup>, Zohra Dridi <sup>1</sup>, Fethi Betbout <sup>1</sup>, Habib Gamra <sup>1</sup>

<sup>1</sup> *Cardiology department A : Fattouma Bourguiba University Hospital, Monastir, , Monastir, Tunisie*

**16-109 Abstract 13-13**

**ATRIAL FIBRILLATION RECURRENCE AFTER ABLATION OF NODAL AND ATRIOVENTRICULAR REENTRANT TACHYCARDIA: A METAANALYSIS**

Estelle Torbey <sup>1</sup>, Malcolm Kirk <sup>1</sup>, Antony Chu <sup>1</sup>

<sup>1</sup> *Brown University, Rhode Island, United States*

**16-110 Abstract 15-63**

**3 YEAR RESULTS WITH INTERVENTIONAL LEFT ATRIAL APPENDAGE OCCLUSION IN A 2-CENTER-EXPERIENCE**

Michael Mehr <sup>1</sup>, Lisa Riesinger <sup>1</sup>, Claudia Sabrina Summo <sup>1</sup>, Daniel Braun <sup>1</sup>, Heidi Estner <sup>1</sup>, Steffen Massberg <sup>1</sup>, Jörg Hausleiter <sup>1</sup>, Martin Hinterseer <sup>2</sup>, Reza Wakili <sup>3</sup>

<sup>1</sup> *Munich University Clinic (LMU), Munich, Germany,* <sup>2</sup> *Füssen Hospital, Füssen, Germany,* <sup>3</sup> *Westdeutsches Herz- und Gefäßzentrum, Essen, Germany*

**16-111 Abstract 15-56**

**CLINICAL IMPACT OF INCOMPLETE LEFT ATRIAL APPENDAGE CLOSURE IN PATIENTS WITH ATRIAL FIBRILLATION**

Lisette Wintgens <sup>1</sup>, Martijn Klaver <sup>1</sup>, Martin Swaans <sup>1</sup>, Arash Alipour <sup>1</sup>, Benno Rensing <sup>1</sup>, Lucas Boersma <sup>1</sup>

<sup>1</sup> *St Antonius Hospital, Nieuwegein, Netherlands*

**16-112 Abstract 15-12**

**LEFT ATRIAL APPENDAGE PATENCY AND DEVICE-RELATED THROMBUS AFTER PERCUTANEOUS LEFT ATRIAL APPENDAGE OCCLUSION: A COMPUTED TOMOGRAPHY STUDY**

Xavier Iriart <sup>1</sup>, Hubert Cochet <sup>1</sup>, Soumaya Sridi <sup>1</sup>, Claudia Camaioni <sup>1</sup>, Olivier Corneloup <sup>1</sup>, Michel Montaudon <sup>1</sup>, François Laurent <sup>1</sup>, Wieme Selmi <sup>1</sup>, Pauline Renou <sup>1</sup>, Zakaria Jalal <sup>1</sup>, Jean-Benoit Thambo <sup>1</sup>

<sup>1</sup> *CHU de Bordeaux, Pessac, France*

**16-113 Abstract 18-20**

**LEFT ATRIAL CATHETER ABLATION IN PATIENTS WITH PREVIOUSLY IMPLANTED**

### **LEFT ATRIAL APPENDAGE CLOSURE DEVICES**

Lisette Wintgens<sup>1</sup>, Martijn Klaver<sup>1</sup>, Martin Swaans<sup>1</sup>, Arash Alipour<sup>1</sup>, Jippe Balt<sup>1</sup>, Vincent van Dijk<sup>1</sup>, Benno Rensing<sup>1</sup>, Maurits Wijffels<sup>1</sup>, Lucas Boersma<sup>1</sup>

<sup>1</sup> *St. Antonius Hospital, Nieuwegein, Netherlands*

### **16-114 Abstract 13-10**

#### **BENEFIT OF HIGH DENSITY 3D MAPPING IN ACCESSORY PATHWAYS ABLATION PROCEDURES**

Kerstin Schmidt<sup>1</sup>, Patrick Hörmann<sup>1</sup>, Matthias Merkel<sup>1</sup>, Gerhard Schymik<sup>1</sup>, Claus Schmitt<sup>1</sup>, Armin Luik<sup>1</sup>

<sup>1</sup> *Medizinische Klinik IV, Kardiologie, Angiologie und Internistische Intensivmedizin, Städtisches Klinikum Karlsruhe gGmbH, Karlsruhe, Germany*

### **16-115 Abstract 13-11**

#### **TRANSSEPTAL OR RETROGRADE APPROACH FOR TRANSCATHETER ABLATION OF LEFT SIDED ACCESSORY PATHWAYS: A SYSTEMATIC REVIEW AND META-ANALYSIS**

Matteo Anselmino<sup>1</sup>, Mario Matta<sup>1</sup>, Andrea Saglietto<sup>1</sup>, Leonardo Calò<sup>2</sup>, Carla Giustetto<sup>1</sup>, Marco Scaglione<sup>3</sup>, Fiorenzo Gaita<sup>1</sup>

<sup>1</sup> *Cardiology Division, Department of Medical Sciences, University of Turin, Torino, Italy,* <sup>2</sup> *Cardiology Division, Policlinico Casilino, Roma, Italy,* <sup>3</sup> *Cardiology Division, Cardinal Massaia Hospital, Asti, Italy*

### **16-116 Abstract 13-12**

#### **ACCESSORY PATHWAYS IN ELDERLY PATIENTS: CLINICAL AND ELECTROPHYSIOLOGICAL FEATURES**

Carlos Gonzalez-Rebeles Guerrero<sup>1</sup>, Luis Molina<sup>1</sup>, Carlos Gutierrez Gonzalez<sup>1</sup>, Oscar Bazan Rodriguez<sup>1</sup>, Eduardo Del Rio Bravo<sup>1</sup>

<sup>1</sup> *General Hospital of Mexico, Mexico City, Mexico*

### **16-117 Abstract 05-13**

#### **THE USE OF ATRIAL ELECTROGRAM MORPHOLOGY AS A SUPRAVENTRICULAR TACHYCARDIA DISCRIMINATOR**

Joseph Donnelly<sup>1</sup>, Jonah Zeitlin<sup>1</sup>, Jonathan Willner<sup>1</sup>, Apoor Patel<sup>1</sup>, Haisam Ismail<sup>1</sup>, Ram Jadonath<sup>1</sup>, Stuart Beldner<sup>1</sup>

<sup>1</sup> *Northwell Health, Manhasset, United States*

### **16-118 Abstract 12-10**

#### **INCESSANT ATRIOVENTRICULAR NODAL REENTRY LEADING TO SYSTOLIC HEART FAILURE**

Audrey Nicholson<sup>1</sup>, Keith Suarez<sup>1</sup>, Steven Costa<sup>1</sup>, Javier Banchs<sup>1</sup>

<sup>1</sup> *Baylor Scott & White Health, Temple, United States*

### **16-119 Abstract 18-30**

#### **AN ATYPICAL TYPICAL ATRIAL FLUTTER**

Mark Shen<sup>1</sup>, Bradley Knight<sup>1</sup>, Susan Kim<sup>1</sup>

<sup>1</sup> *Northwestern University, Chicago, United States*

### **16-120 Abstract 15-24**

#### **A NEW APPROACH FOR RADIOVERSION OF RECENT ONSET ATRIAL FIBRILLATION.**

Stefanos Papastefanou <sup>1</sup>, Ioanna Sideri <sup>1</sup>, Ioannis Tsounos <sup>1</sup>

<sup>1</sup> *Department of Cardiology, G.H "St.Paul", Thessaloniki, Greece*

**16-121 Abstract 15-23**

**IDENTIFYING THE UNDIAGNOSED AF PATIENT THROUGH 'KNOW YOUR PULSE' COMMUNITY PHARMACY BASED EVENTS HELD ACROSS TEN COUNTRIES**

Trudie Lobban <sup>1</sup>, Nigel Breakwell <sup>1</sup>, Sotiris Antoniou <sup>2</sup>, Nadya Hamedi <sup>3</sup>, Filipa Alves de Costa <sup>4</sup>, Vivian Lee <sup>5</sup>, Katarina Mala <sup>6</sup>, John Papastergiou <sup>7</sup>, Dale Griffiths <sup>8</sup>, Fabio deRango <sup>9</sup>, Lola Murillo <sup>10</sup>, Marie-Camille Chaumais <sup>11</sup>, Reke Viola <sup>12</sup>, Ema Paulino <sup>13</sup>, Kurt Hersberger <sup>14</sup>, Ben Freedman <sup>15</sup>

<sup>1</sup> *Arrhythmia Alliance, Chipping Norton, United Kingdom*, <sup>2</sup> *UCL Partners, London, United Kingdom*, <sup>3</sup> *Health Innovation Network, London, United Kingdom*, <sup>4</sup> *Centro de Investigacao Interdisciplinar Egas Moniz, Lisbon, Portugal*, <sup>5</sup> *School of Pharmacy, Chinese University of Hong Kong, China*, <sup>6</sup> *Charles University, Prague, Czech Republic*, <sup>7</sup> *University of Toronto, Toronto, Canada*, <sup>8</sup> *Westview Pharmacy, Auckland, New Zealand*, <sup>9</sup> *Shoppers Drug Mart, Toronto, Canada*, <sup>10</sup> *Sociedad Espanola de Farmacia Familiar y Comunitaria, Sociedad, Spain*, <sup>11</sup> *Universite Paris Sud, Paris, France*, <sup>12</sup> *Faculty of Pharmacy, University of Szeged, Szeged, Hungary*, <sup>13</sup> *Farmacias Holon, Almada, Portugal*, <sup>14</sup> *University of Basel, Basel, Switzerland*, <sup>15</sup> *Heart Resarch Institute, University of Sydney, Sydney, Australia*

**16-122 Abstract 15-68**

**OBSTRUCTIVE SLEEP APNEA; A KEY DETERMINANT IN THE SUCCESS OR FAILURE OF ABLATIVE THERAPY FOR ATRIAL FIBRILLATION?**

Brian C. Pomerantz<sup>1</sup>, Andrea N. Dore<sup>1</sup>, Jisuk Park<sup>1</sup>, Vincent Mysliwiec<sup>1</sup>, Gregg G. Gerasimon<sup>1</sup>

<sup>1</sup>*San Antonio Military Medical Center, San Antonio, USA*

**16-123 Abstract 15-43**

**A NURSE-DELIVERED MINDFULNESS-EDUCATION INTERVENTION TO REDUCE SYMPTOMS AND IMPROVE QUALITY OF LIFE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION: THE MEND-AF STUDY**

Linda Ottoboni <sup>1</sup>, Paul Wang <sup>1</sup>, Janine Cataldo <sup>2</sup>

<sup>1</sup> *Stanford Healthcare, Stanford, United States*, <sup>2</sup> *University of California, School of Nursing, San Francisco, CA, United States*

**16-124 Abstract 21-10**

**ELEVATED LONG-TERM RESTING HEART RATE AND SYSTOLIC BLOOD PRESSURE VARIATION IS ASSOCIATED WITH INCREASED RISK OF ALL-CAUSE MORTALITY IN NORTHERN CHINA**

Xiaolei Yang <sup>1</sup>, Tesfaldet Habtemariam Hidru <sup>1</sup>, Xu Han <sup>1</sup>, Binhao Wang <sup>2</sup>, Shouling Wu <sup>3</sup>, Yunlong Xia <sup>1</sup>

<sup>1</sup> *First Affiliated Hospital of Dalian Medical University, Dalian, China*, <sup>2</sup> *Ningbo First Hospital, Ningbo, China*, <sup>3</sup> *Kailuan General Hospital, Tangshan, China*

**16-125 Abstract 07-12**

**COMBINED APPROACH USING CATHETER-BASED RENAL SYMPATHETIC DENERVATION AND CATHETER ABLATION OF LEFT ATRIUM FOR TREATMENT PATIENT WITH RESISTANT ARTERIAL HYPERTENSION AND PERSISTENT ATRIAL FIBRILLATION: A CASE REPORT**

Evgeny Zhelyakov <sup>1</sup>, I Zotova <sup>2</sup>, Aleksey Konev <sup>3</sup>, Orys Khymiy <sup>3</sup>, Anton Staferov <sup>3</sup>, Aleksey Knigin <sup>1</sup>, Vladimir Kolesnikov <sup>4</sup>, Madina Baykulova <sup>4</sup>, Natalia Maskova <sup>4</sup>, Andrey Aradshev <sup>1</sup>

<sup>1</sup> Moscow State University, Moscow, Russia, <sup>2</sup> Central State Medical Academy, Moscow, Russia, <sup>3</sup> Federal Scientific and Clinical Centre of FMBA, Moscow, Russia, <sup>4</sup> Regional Clinical Cardiological Dispensary, Stavropol, Russia

**16-126 Abstract 07-16**

**AMBULANT ECG CHANGINGS PREVIOUS TO PHENOTYPIC EXPRESSION FOR 8 YEARS IN AN ELITE ATHLETE WITH HYPERTROPHIC CARDIOMYOPATHY: PUT THE EVIDENCE INTO PRACTICE**

Dan Han <sup>1</sup>, Guoliang Li <sup>1</sup>

<sup>1</sup> First Hospital of Xi'an Jiaotong University, Xi'an, China

**16-127 Abstract 03-15**

**CONGENITAL DILATED CARDIOMYOPATHY UNMASKED BY PREGNANCY**

Dan Han <sup>1</sup>, Yanrong Yin <sup>1</sup>, Chaofeng Sun <sup>1</sup>, Guoliang Li <sup>1</sup>

<sup>1</sup> First Hospital of Xi'an Jiaotong University, Xi'an, China

**16-128 Abstract 17-11**

**VENTRICULAR SCAR PROLONGS ACTION POTENTIAL DURATION, RESULTING IN SPATIAL DISPERSION OF REPOLARISATION THAT PROMOTES REGIONAL AND TRANSMURAL REENTRY IN PATIENTS WITH VENTRICULAR TACHYCARDIA**

Neil Srinivasan <sup>1</sup>, Michele Orini <sup>1</sup>, Rui Providencia <sup>1</sup>, Claire Martin <sup>1</sup>, Mehul Dhinoja <sup>1</sup>, Peter Taggart <sup>1</sup>, Syed Ahsan <sup>1</sup>, Martin Lowe <sup>1</sup>, Anthony Chow <sup>1</sup>, Ross Hunter <sup>1</sup>, Richard Schilling <sup>1</sup>, Pier L <sup>1</sup>

<sup>1</sup> Barts Heart Center, London, United Kingdom

**16-129 Abstract 17-20**

**EXPERIENCE OF SURGICAL ABLATION FOR REFRACTORY VENTRICULAR TACHYCARDIA**

Masahiko Goya <sup>1</sup>, Shingo Maeda <sup>1</sup>, Atsuhiko Yagishita <sup>1</sup>, Masahiro Sekigawa <sup>1</sup>, Shinya Shiohira <sup>1</sup>, Yoshihide Takahashi <sup>1</sup>, Mihoko Kawabata <sup>1</sup>, Kiko Lee <sup>1</sup>, Tomohiro Mizuno <sup>2</sup>, Hirokuni Arai <sup>2</sup>, Kenzo Hirao <sup>1</sup>

<sup>1</sup> Department of Cardiovascular Medicine, Tokyo Medical and Dental University, Tokyo, Japan, <sup>2</sup> Department of Cardiovascular Surgery, Tokyo Medical and Dental University, Tokyo, Japan