Abstract oral session 1: Atrial fibrillation ablation
Sunday, April 19, 2015 10:30 am – 12:00 pm
Room: Derain

1-1 Abstract 18-21

EFFECT OF ANTIARRHYTHMICS DRUG INITIATION ON READMISSION AFTER CATHETER ABLATION FOR ATRIAL FIBRILLATION
Peter Noseworthy 1, Holly Van Houten 1, Lindsey Sangaralingham 1, Abhishek Deshmuk 1, Suraj Kapa 1, Siva Mulpuru 1, Christopher McLeod 1, Samuel Asirvatham 1, Nilay Shah 1, Douglas Packer 1
1 Mayo Clinic, Rochester, MN, United States

1-2 Abstract 18-22

CONTACT FORCE DATA AVAILABILITY REDUCES ACUTE PULMONARY VEIN RECONNECTION: EARLY RESULTS FROM THE SMART AF TRIAL
Waqas Ullah 1, Ailsa McLean 1, Muzahir Tayebjee 2, Dhiraj Gupta 3, Matthew Ginks 4, Guy Haywood 5, Mark O'Neill 6, Pier Lambiase 7, Mark Earley 1, Richard Schilling 1, Smart AF Trial Group UK 8, 1 St Bartholomew's Hospital, London, United Kingdom, 2 Leeds General Infirmary, Leeds, United Kingdom, 3 Liverpool Heart and Chest Hospital, Liverpool, United Kingdom, 4 John Radcliffe Hospital, Oxford, United Kingdom, 5 Derriford Hospital, Plymouth, United Kingdom, 6 St Thomas' Hospital, London, United Kingdom, 7 The Heart Hospital, London, United Kingdom, 8 Smart AF Trial Group, UK, United Kingdom

1-3 Abstract 18-26

PAROXYSMAL ATRIAL FIBRILLATION ABLATION WITHOUT PULMONARY VEIN ISOLATION
Clement Bars 1, Julien Seitz 2, Guillaume Theodore 3, Ange Ferracci 2, Michel Bremondy 2, Jacques Faure 2, André Pisapia 2
1 Institut Mutualiste Montsouris, Paris, France, 2 Hôpital Saint Joseph, Marseille, France, 3 University Hospital, Nice, France

1-4 Abstract 18-16

PREDICTION OF AF ABLATION OUTCOME: THE CAAP-AF SCORE
Roger Winkle 1, Julian Jarman 2, R. Hardwin Mead 1, Gregory Engel 1, Melissa Kong 1, William Fleming 1, Rob Patrawala 1
1 Silicon Valley Cardiology, E Palo Alto, CA, United States, 2 Royal Brompton Hospital, London, United Kingdom

1-5 Abstract 18-32
A COMBINED APPROACH OF POINT BY POINT RADIOFREQUENCY ABLATION FOLLOWED BY CRYOBALLOON ABLATION DRAMATICALLY IMPROVES THE RATE OF LONG TERM PULMONARY VEIN ISOLATION FOR PATIENTS WITH PAROXYSMAL AF.

Richard Ang 1, Aaisha Opel 1, Waqas Ullah 1, Victoria Baker 1, Malcolm Finlay 1, Mehul Dhinoja 1, Mark Earley 1, Simon Sporton 1, Richard Schilling 1, Ross Hunter 1

1 St Bartholomew's Hospital, London, United Kingdom

1-6 Abstract 18-25

USE OF CONTACT FORCE TECHNOLOGY IN AF ABLATION PROCEDURES DOES NOT IMPROVE CLINICAL OUTCOME RATES - INSIGHTS FROM A 3 YEAR SINGLE CENTER EXPERIENCE

Stefan Sattler 1, Johannes Siebermair 1, Eva Klocker 1, Lucia Olesch 1, Samira Saraj 1, Ina Klier 1, Christoph Schuhmann 1, Sebastian Clauss 1, Moritz Sinner 1, Stephanie Fichtner 1, Stefan Kääb 1, Heidi Estner 1, Reza Wakili 1

1 Medical Department I, Klinikum Grosshadern, Ludwig-Maximilians-University, Munich, Germany

Abstract oral session 2: Sudden cardiac death: prevention and management
Sunday, April 19, 2015, 8:30 am-12:00 pm
Room: DIDEROT

2-1 Abstract 10-13

OUTCOME OF PATIENT WITH EARLY REPOLARIZATION AFTER UNEXPLAINED SYNCOPE

Mathieu Le Bloa 1, Frederic Sacher 1, Jean-Baptiste Gourraud 2, Philippe Maury 3, Gabriel Laurent 4, Christophe Leclercq 5, Jacques Mansourati 6, Dominique Babuty 7, Jean-Luc Pasquier 8, Pierre Jais 1, Nicolas Derval 1, Arnaud Denis 1, Meleze Hocini 1, Michel Haïssaguerre 1, Vincent Probst 2

1 CHU Bordeaux, Bordeaux, France, 2 CHU Nantes, Nantes, France, 3 CHU Toulouse, Toulouse, France, 4 CHU Dijon, Dijon, France, 5 CHU Rennes, Rennes, France, 6 CHU Brest, Brest, France, 7 CHU Tours, Tour, France, 8 CHU Montpellier, Montpellier, France

2-2 Abstract 19-24

DAYTIME AND SEASON AS PREDICTORS FOR CARDIAC RHYTHM DISTURBANCES IN DIFFERENT DISEASES – A LARGE REAL LIFE ANALYSIS

Eimo Martens 1, Johannes Siebermair 1, Regina Freeden 2, Carsten Koenig 2, Stefan Veith 1, Moritz Sinner 1, Stefan Kääb 1

1 Klinikum der Universität München, Muenchen, Germany, 2 Medtronic GmbH, Meerbusch, Germany

2-3 Abstract 19-25

RANOLAZINE AMELIORATES POST-RESUSCITATION ELECTRICAL INSTABILITY AND MYOCARDIAL DYSFUNCTION AND IMPROVES OUTCOME IN A RAT MODEL OF VENTRICULAR FIBRILLATION

Francesca Fumagalli 1, Ilaria Russo 1, Lidia Staszewsky 1, Roberto Latini 1, Antonio Zaza 2,
FOLLOW-UP OF PATIENTS WITH IDIOPATHIC VENTRICULAR FIBRILLATION (THE FU-IVF STUDY) – PRELIMINARY RESULTS
Marloes Visser 1, Charlotte Siegers 1, Jeroen van der Heijden 1, Peter Loh 1, Pieter Doevendans 1, Rutger Hassink 1
1 UMC Utrecht, Utrecht, Netherlands

2-5 Abstract 19-26

BENEFITS OF ICD THERAPY: CONNECTING TREATMENT DECISIONS TO INDIVIDUALIZED SCD RISK ESTIMATES WITHIN SCD-HEFT - SEATTLE PROPORTIONAL RISK MODEL
Wayne Levy 1, Jeanne Poole 1, Anne Hellkamp 2, Ramin Shadman 3, Todd Dardas 1, Jill Anderson 4, George Johnson 4, Daniel Fishbein 1, Daniel Mark 2, Kerry Lee 2, Gust Bardy 4
1 University of Washington, Seattle, United States, 2 Duke University, Durham, United States, 3 Southern California Permanente Medical Group, Los Angeles, United States, 4 Seattle Institute for Cardiac Research, Seattle, United States

2-6 Abstract 19-30

IMPLANTABLE CARDIAC DEFIBRILLATOR IN THE SETTING OF TETRALOGY OF FALLOT
Abdeslam Bouzeman 1, Guillaume Duthoit 2, Magalie Ladouceur 1, Raphael Martins 3, Maxime De Guillebon 4, Laurent Fauchier 5, Pascal Defaye 6, Jean-Baptiste Gourraud 7, Jean-Marc Sellal 8, Pierre Mondoly 9, Fabien Lalombat 10, Frederic Anselme 11, Linda Koutbi 12, Nicolas Lellouche 13, Franck Halimi 14, Anne Messali 15, Amel Mathiron 16, Nicolas Sadoul 8, Laurence Iserin 1, Pierre Bordachar 4, Nicolas Combes 17, Jean-Benoit Thambo 4, Eloi Marjion 1
1 Paris Cardiovascular Research Center, Inserm U970, Paris, France/European Georges Pompidou Hospital, Paris, France/Paris Descartes University, Paris, France, PARIS, France, 2 CHU La Pitie Salpetriere Hospital, Cardiology Department, Paris, France, PARIS, France, 3 CHU Pontchaillou, Cardiology Department, Rennes, France, RENNES, France, 4 CHU Haut Leveque, Cardiology Department, Bordeaux, France, BORDEAUX, France, 5 CHU Trousseau, Tours, France, TOURS, France, 6 CHU Michallon, Grenoble, France, GRENOBLE, France, 7 CHU Nantes, NANTES, France, 8 CHU Brabois, Nancy, France, NANCY, France, 9 Hopital Rangueil, TOULOUSE, France, 10 CHU CAEN, CAEN, France, 11 CHU ROUEN, ROUEN, France, 12 CHU La Timone, Marseille, France, MARSEILLE, France, 13 CHU HENRI MONDOR, CRETEIL, France, 14 HOPITAL PRIVE PARLY II, LE CHESNAY, France, 15 CHU BICHAT, PARIS, France, 16 CHU AMIENS, AMIENS, France, 17 Clinique Pasteur, Toulouse, France, TOULOUSE, France

Abstract oral session 3: Atrial fibrillation and prevention of related thromboembolism
Sunday, April 19, 2015, 10:30 am-12:00 pm
Room: DESCARTES

3-1 Abstract 15-25

PERSISTENT LEFT ATRIAL APPENDAGE THROMBUS IN NON VALVULAR
FEASIBILITY AND SAFETY OF UNINTERRUPTED PERI-PROCEDURAL APIXABAN ADMINISTRATION IN PATIENTS UNDERGOING RADIOFREQUENCY CATHETER ABLATION FOR ATRIAL FIBRILLATION: RESULTS FROM A MULTICENTER STUDY

Luigi Di Biase¹, Dhanujaya Lakkireddy², Chintan Trivedi³, Thomas Deneke⁴, Martin Martinek⁵, Sanghamitra Mohanty⁶, Prasant Mohanty⁶, Sameer Prakash⁷, Rong Bai⁸, Carola Gianni⁹, Rodney Horton⁹, Elisabeth Sigmund⁹, Michael Derndorfer⁹, Anja Schade⁹, Patrick Mueller¹⁰, Atilla Szollosi³, Javier Sanchez³, Amin Al-Ahmad³, Patrick Hranitzky³, G. Joseph Gallinghouse⁶, Richard H. Hong³, Salwa Beheiry¹⁰, Helmut Puererfellner⁵, Andrea Natale³

¹ Texas Cardiac Arrhythmia Institute at St David's Medical Center and Albert Einstein College of Medicine at Montefiore Hospital, Austin and New York, TX ³ Texas Cardiac Arrhythmia Institute at St. David's Medical Center, Austin, TX ⁴ Heartcenter Bad Neustadt, Bad Neustadt, Germany ⁵ Elisabethinen Linz GmbH, University Teaching Hospital, Linz, Austria ⁶ Texas College of Osteopathic Medicine, Fort worth, TX ⁷ Tong Ji Hospital Tong Ji Medical College Hust, Wuhan, China ⁸ Texas Cardiac Arrhythmia Research, Austin, TX ⁹ Northern California Heart Care, San Francisco, CA ¹⁰ California Pacific Medical Center, San Francisco

RIVAROXABAN AND TWO DOSAGES DABIGATRAN VERSUS WARFARIN IN PATIENTS WITH HIGH RISK OF STROKE AND EMBOLISM UNDERGOING ELECTRICAL CARDIOVERSION WITH PERSISTENT AND LONG-ACTING ATRIAL FIBRILLATION

Oskars Kalejs ¹, Olga Lutinenko ², Aldis Strelnieks ³, Sandis Sakne ¹, Milana Zabunova ¹, Marina Kovalova ⁴, Galina Dormidontova ⁵, Iveta Sime ⁶, Natalija Pontaga ⁵, Kaspars Kupics ¹, Maija Vikmane ¹, Janis Gusliens ⁷, Aivars Lejnieks ³, Andrejs Erglis ¹ ¹ P. Stradins Clinical University Hospital, Riga, Latvia, ² Riga Stradins University, Riga, Latvia, ³ Riga East University Hospital, Riga, Latvia, ⁴ Jelgava Regional Hospital, Jelgava, Latvia, ⁵ Daugavpils Regional Hospital, Daugavpils, Latvia, ⁶ Liepaja Regional Hospital, Liepaja, Latvia, ⁷ Riga Technical University, Riga, Latvia

SINUS RHYTHM AND QUALITY OF LIFE IN THE AGE OF MODERN THERAPIES FOR ATRIAL FIBRILLATION: RESULTS FROM THE PREFER IN AF REGISTRY

Liang-han Ling ¹, Hunter Ross ¹, Waqas Ullah ¹, Alex Breitenstein ¹, Finlay Malcolm ¹, Aaisha
Opel 1, Sarah Horan 1, Bernd Brüggenjürgen 2, Harald Darius 3, Raffaele De Caterina 4, Kamran Iqbal 5, Jean-Yves Le Heuzey 6, Paulus Kirchhof 7, Josef Schmitt 8, Jose Luis Zamorano 9, Richard Schilling 1
1 St Bartholomew’s Hospital, London, United Kingdom, 2 Steinbeis-University, Institute for Health Economics, Berlin, Germany, 3 Vivantes Hospital, Berlin, Germany, 4 University Chieti-Pescara, Cardiology, Pisa, Italy, 5 Daiichi-Sankyo UK Ltd, Gerrards Cross, United Kingdom, 6 Georges Pompidou Hospital, René Descartes University, Paris, France, 7 University of Birmingham, Birmingham, United Kingdom, 8 Daiichi-Sankyo, Munich, Germany, 9 University Hospital Ramón y Cajal, Madrid, Spain

3-6 Abstract 15-33

PRIMARY PERIPHERAL ARTERY EMBOLISM: ATRIAL FIBRILLATION RELATED RISK-STRATIFICATION AND RECURRENT EMBOLIC EVENTS DURING LONG-TERM FOLLOW-UP.
Christian Möllenhoff 1, Dirk Bastian 2, Athanasios Katsargyris 1, Konrad Göhl 2, Eric L. G. Verhoeven 1
1 Paracelsus Medical University; Nuremberg Hospital; Dept. of Vascular and Endovascular Surgery, Nuremberg, Germany, 2 Paracelsus Medical University; Nuremberg Hospital; Dept. of Cardiology/Rhythmology, Nuremberg, Germany

Abstract oral session 4: Mechanisms of ventricular arrhythmias Sunday, April 19, 2015, 10:30 am-12:00 pm
Room: PASCAL

4-1 Abstract 01-12

PREVALENCE OF RIGHT VENTRICAL ENDOCARDIAL BIPOLAR LATE POTENTIALS IN BRUGADA SYNDROME
Luigi Sciarra 1, Ermenegildo De Ruvo 1, Chiara Lanzillo 1, Alessio Borrelli 1, Antonio Scarà 1, Marco Rebecchi 1, Alessandro Fagagnini 1, Marta Marziali 1, Lucia De Luca 1, Domenico Grieco 1, Ludovica Sciulla 2, Elisa Salustri 3, Annamaria Martino 1, Leonardo Calò 1
1 Cardiologia - Policlinico Casilino, Italia, Italy, 2 Cardiologia - Policlinico Umberto I, Rome, Italy, 3 Cardiologia - Università de L’Aquila, L’Aquila, Italy

4-2 Abstract 02-11

SLOWING OF CONDUCTION VELOCITY VIA GAP-JUNCTIONAL UNCOUPLING IS SUFFICIENT TO CAUSE ELECTROGRAM FRACTIONATION
Shaun Selvadurai 1, Emmanuel Dupont 1, Caroline Roney 1, Norman Qureshi 1, Fu Siong Ng 1, Rasheda Chowdhury 1, Nicholas Peters 1
1 Imperial College London, LONDON, United Kingdom

4-3 Abstract 01-16

GAP JUNCTION UNCOUPLING DURING ISCHAEMIA ACTIVATES NORMALLY QUIESCENT PURKINJE-MYOCARDIAL JUNCTIONS RESULTING IN MORE COMPLEX ACTIVATION PATTERNS
Fu Siong Ng 1, Elham Behradfar 2, Michael T Debney 1, Anders Nygren 2, Adam Hartley 1, Alexander Lyon 1, Igor Efimov 3, Edward Vigmond 4, Nicholas S Peters 1
1 Imperial College London, London, United Kingdom, 2 University of Calgary, Calgary,
CELLULAR CHARACTERISATION OF STROMAL CELL AND CARDIOMYOCYTE COUPLING AT THE CRITICAL ISTHMUS IN AN IN VIVO SWINE MODEL OF POST-INFARCTION RE-ENTRANT VENTRICULAR TACHYCARDIA
Tarvinder Dhanjal, Nicolas Lellouche, Chris Von Ruhling, David Edwards, Chris George, Alan Williams
Wales Heart Research Institute, Cardiff, United Kingdom, Henri Mondor Hopital, Paris, France

THE DEVELOPMENT OF A NOVEL SYSTEM FOR THE STUDY OF CARDIAC ARRHYTHMIA – SIMULTANEOUS MEASUREMENT OF CALCIUM TRANSIENTS AND ELECTRICAL ACTIVITY IN MURINE CARDIAC TISSUE
Alastair Yeoh, Malcolm Finlay, Naomi Anderson, Stephen Harmer, Andrew Tinker
UCL and QMUL, London, United Kingdom, Barts Health NHS Trust and QMUL, London, United Kingdom, QMUL, London, United Kingdom

MELATONIN AND OMACOR INCREASE THRESHOLD TO INDUCE VF AND NORMALIZE MYOCARDIAL CONNEXIN-43 EXPRESSION IN FEMALE RATS EXPOSED TO HIGH SUCROSE DIET.
Tamara Benova, Csilla Viczenczova, Jana Radosinska, Vladimir Knezl, Barbara Bacova, Jana Navarova, Branislav Obsitnik, Jan Slezak, Narcisa Tribulova
Institute for Heart Research, Slovak Academy of Sciences, Bratislava, Slovakia, Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia, Institute of Experimental Pharmacology & Toxicology, Slovak Academy of Sciences, Bratislava, Slovakia, St. Elisabeth Institute of Oncology, Bratislava, Slovakia

Abstract oral session 5: Advances in atrial fibrillation ablation II
Monday, April 20, 2015, 10:30 am-12:00 pm
Room: COROT

SITES OF ATRIAL FIBRILLATION ROTORS MAY OVERLAY GANGLIONATED PLEXI IN LEFT ATRIUM
Tina Baykaner, Junaid Zaman, Theodoros Zografos, Ioannis Pantos, David Krummen, Demosthenes Katritsis, Sanjiv Narayan
University of California, San Diego, San Diego, United States, Imperial College London, London, United Kingdom, Athens Euroclinic, Athens, Greece, Stanford University, Palo Alto, United States

FEASIBILITY OF A NON-INVASIVE ELECTROCARDIOGRAPHIC MAPPING SYSTEM AT LOCALISATION OF ECTOPY TO GUIDE ABLATION IN PATIENTS UNDERGOING
REPEAT CATHETER ABLATION FOR ATRIAL FIBRILLATION
Norman Qureshi 1, Cheng Yao 2, Shahnaz Jamil-Copley 1, Michael Koa-Wing 1, Sajad Hayat 1, Fu Siiong Ng 1, Afzal Sohaib 1, Elaine Lim 1, Ian Wright 1, Nick Linton 1, David Lefroy 1, Zachary Whinnett 1, Nicholas Peters 1, Prapa Kanagaratnam 1, Phang Boon Lim 1, D Wyn Davies 1
1 Imperial College, London, United Kingdom, 2 CardioInsight Technologies, Cleveland, OH, United States

5-3 Abstract 15-46

SIMILARITY OF SUBSTRATES IN PATIENTS WITH POST-ABLATION RECURRENT PAROXYSMAL ATRIAL FIBRILLATION VERSUS PERSISTENT ATRIAL FIBRILLATION: A 10-CENTER PROSPECTIVE STUDY
Junaid Zaman 1, Vijay Swarup 2, Robert Kowal 3, James Daubert 4, John Day 5, John Hummel 6, David Krummen 7, Moussa Mansour 8, Vivek Reddy 9, Kevin Wheelan 3, Sanjiv Narayan 1, John Miller 10
1 Stanford University, Stanford, United States, 2 Arizona Heart Rhythm Center, Phoenix, United States, 3 Baylor University Medical Center, Dallas, United States, 4 Duke University Medical Center, Durham, United States, 5 Intermountain Medical Center, Salt Lake City, United States, 6 Ohio State University, Columbus, United States, 7 University of California, San Diego, San Diego, United States, 8 Massachusetts General Hospital, Boston, United States, 9 Mount Sinai School of Medicine, New York, United States, 10 Indiana University School of Medicine, Indianapolis, United States

5-4 Abstract 15-37

FEASIBILITY, SAFETY AND COSTS OF DAY CASE AF ABLATION
Sarah Anderson 1, Conn Sugihara 1, Ragunath Shunmugam 1, Rick Veasy 1, Aerakondal Gopalamurugan 1, Steve Furniss 1, Neil Sulke 1
1 Cardiology Research Department, Eastbourne Hospital, East Sussex Healthcare NHS Trust, UK, Eastbourne, United Kingdom

5-5 Abstract 15-41

SAFETY AND EFFICACY OF PULMONARY VEIN ISOLATION USING A CIRCULAR, OPEN IRRIGATED MAPPING AND ABLATION CATHETER: A MULTI CENTER REGISTRY
Ermenegildo de Ruvo 1, Massimo Grimaldi 2, Giovanni Rovaris 3, Ezio Soldati 4, Giuseppe Stabile 5, Matteo Anselmino 6, Francesco Solimene 7, Assunta Iuliano 8, Vincenzo Schillaci 6, Luigi Sciarra 1, Maria Grazia Bongiorni 4, Fiorenzo Gaita 6, Leonardo Calo 1
1 Policlinico Casilino ASL RM/B, Rome, Italy, 2 Ospedale Miulli, Acquaviva delle Fonti, Italy, 3 Ospedale San Gerardo, Monza, Italy, 4 Azienda Ospedaliero Universitaria Pisana, Pisa, Italy, 5 Clinica Mediterranea, Napoli, Italy, 6 Dipartimento Scineze Mediche, Università di Torino, Torino, Italy, 7 Clinica Montevergine, Mercogliano, Italy

5-6 Abstract 15-40

SINGLE CENTRE EXPERIENCE AND OUTCOME OF PERSISTENT AF ABLATION USING THE NMARQ CATHETER: 2 YEAR FOLLOW-UP
Shunmugam Ragunath Shunmugam 1, Rick Veasey 1, Conn Sugihara 1, Sarah Anderson 1, Aerakondal Gopalamurugan 1, Furniss Steve 1, Sulke Neil 1
1 East Sussex health care NHS trust, Eastbourne, United Kingdom

Abstract oral session 6: Cardiac resynchronization therapy: techniques and outcome
6-1 Abstract 24-20

A HIGHLY EFFECTIVE TECHNIQUE FOR TRANSSEPTAL ENDOCARDIAL LEFT VENTRICULAR LEAD PLACEMENT FOR DELIVERY OF CARDIAC RESYNCHRONISATION THERAPY
Giulia Domenichini 1, Ihab Diab 2, Niall Campbell 1, Mehul Dhinoja 1, Ross Hunter 1, Simon Sporton 1, Mark Earley 1, Richard Schilling 1
1 Department of Cardiology, St Bartholomew’s Hospital, London, United Kingdom, 2 The Bristol Heart Institute, University Hospital Bristol NHS Foundation Trust, Bristol, United Kingdom

6-2 Abstract 24-14

COMPARATIVE EFFECTIVENESS OF LEFT VENTRICULAR VERSUS BIVENTRICULAR PACING FOR CARDIAC RESYNCHRONIZATION THERAPY: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS
Daniele Muser 1, Pasquale Santangeli 2, Andrew Epstein 2, Mathew Hutchinson 2, Erica Zado 2, David Callans 2, Alessandro Proclemer 1, Francis Marchlinski 2
1 Azienda Ospedaliero Santa Maria della Misericordia, Udine, Italy, 2 Hospital of the University of Pennsylvania, Philadelphia, United States

6-3 Abstract 31-16

ATRIAL RESYNCHRONIZATION COMBINED WITH “BACKGROUND” ANTIARRHYTHMIC THERAPY IMPROVES SURVIVAL IN IN PATIENTS WITH ATRIAL FIBRILLATION AND HEART FAILURE WITH OR WITHOUT SYSTOLIC LEFT VENTRICULAR DYSFUNCTION
Sanjeev Saksena 1, Marwan Saad 1, April Slee 1, Hansini Laharawani 1, Rangadham Nagarakanti 1
1 Electrophysiology Research Foundation, Warren, United States

6-4 Abstract 31-10

RATE DEPENDENT LEFT ATRIAL PRESSURE CHANGE IN PATIENTS WITH IMPAIRED LEFT VENTRICULAR DIASTOLIC FUNCTION: PACING VS. ISOPROTERENOL
Tae-Hoon Kim 1, Junbeom Park 1, Jin-Kyu Park 1, Jae-Sun Uhm 1, Boyoung Joung 1, Moon-Hyoung Lee 1, Hui-Nam Pak 1
1 Yonsei University Health System, Seoul, Korea, (South) Republic of

6-5 Abstract 24-19

LONG-TERM FOLLOW-UP AFTER LEFT VENTRICULAR ENDOCARDIAL RESYNCHRONIZATION THERAPY: MORTALITY AND THROMBOEMBOLIC COMPLICATION
ZSuzsanna KIS 1, Imre KAASSAI M.D, PhD 1, Attila MIHALCZ M.D 1, Attila KARDOS M.D PhD 1, Csaba FOLDES I M.D 1, Andrea ARANY M.D 2, Gabriella GYORI M.D 2, Tamas SZILITOYOK M.D PhD 3
1 Gottsegen Gyorgy National Cardiology Institute, Budapest, Hungary, 2 United St. Istvan and Laszlo Hospital, Budapest, Hungary, 3 Erasmus University, Rotterdam, Netherlands
NON ISCHEMIC CARDIOMYOPATHY AND LOW BURDEN OF SCAR AS REVEALED BY AN ECG-SCORE: NO NEED FOR A DEFIBRILLATOR IN SPECIAL PATIENTS AFTER CARDIAC RESYNCHRONISATION?
Martin Grett 1, Hans-Joachim Trappe 1
1 Department of Cardiology and Angiology, University of Bochum, Bochum, Germany

Abstract oral session 7: Mapping and ablation of ventricular arrhythmias
Monday, April 20, 2015, 10:30 am-12:00 pm
Room: DESCARTES

7-1 Abstract 17-18

INTERMEDIATE TO LONG-TERM FOLLOW-UP OF IDIOPATHIC VENTRICULAR FIBRILLATION ABLATION
Cheryl Teres 1, Mehdi Namdar 1, Pascale Gentil-Baron 1, Henri Sunthorn 1, Haran Burri 1, Dipen Shah 1
1 Hôpitaux Universitaires de Genève, Service de Cardiologie, Geneva, Switzerland, Geneva, Switzerland

7-2 Abstract 17-10

ACUTE HEMODYNAMIC DECOMPENSATION DURING CATHETER ABLATION OF SCAR-RELATED VT: INCIDENCE, PREDICTORS AND IMPACT ON MORTALITY
Daniele Muser 1, Pasquale Santangeli 2, Silvia Magnani 3, Erica Zado 2, Mathew Hutchinson 2, Gregory Supple 2, David Frankel 2, Fermin Garcia 2, Rupa Bala 2, Michael Riley 2, Eduardo Rame 2, Sanjay Dixin 2, Alessandro Proclemer 1, Francis Marchlinski 2, David Callans 2
1 Azienda Ospedaliera Santa Maria della Misericordia di Udine, Udine, Italy, 2 Hospital of the University of Pennsylvania, Philadelphia, United States, 3 Azienda Ospedaliera di Trieste, Trieste, Italy

7-3 Abstract 28-14

FEASIBILITY OF USING RIPPLE MAPPING TO IDENTIFY AND ABLATE CONDUCTION CHANNELS WITHIN THE VENTRICULAR SCAR
Vishal Luther 1, Shahnaz Jamil-Copley 1, Nicholas Linton 1, Michael Koa-Wing 1, Sajad Hayat 1, Pasquale Vergara 2, Fu-Siong Ng 1, Zachary Whinnett 1, Phang Boon Lim 1, David Lefroy 1, David Wyn Davies 1, Nicholas Peters 1, Paolo Della Bella 2, Prapa Kanagaratnam 1
1 Imperial College Healthcare NHS Trust, London, United Kingdom, 2 San Raffaele Hospital, Milan, Italy

7-4 Abstract 18-19

NON-RANDOMISED COMPARISON OF ACUTE AND LONG TERM OUTCOMES OF ROBOTIC VERSUS MANUAL VENTRICULAR TACHYCARDIA ABLATION.
Vishal Luther 1, Shahnaz Jamil-Copley 1, Michael Koa-Wing 1, Matthew ShunShin 1, Ian Wright 1, Sajad Hayat 1, Nicholas Linton 1, Phang Boon Lim 1, Zachary Whinnett 1, David
7-5 Abstract 17-14

CLINICAL EXPERIENCE USING A NEW FLUOROSCOPY-INTEGRATED CATHETER TRACKING SYSTEM (MEDIGUIDE) FOR ABLATION OF VENTRICULAR TACHYCARDIA - A CASE MATCHED COMPARISON
Michael Derndorfer¹, Elisabeth Sigmund¹, Georgios Kollias¹, Siegmund Winter¹, Helmut Pürerfellner¹, Josef Aichinger¹, Martin Martinek¹
¹ Elisabethinen University Teaching Hospital of the Universities Innsbruck, Vienna and Graz; Linz, Austria, Linz, Austria

7-6 Abstract 18-35

PROGNOSTIC VALUE OF ENDOCARDIAL MAPPING RESULTS IN PEDIATRIC PATIENTS WITH IDIOPATHIC VENTRICULAR ARRHYTHMIAS
Sergey Termosesov¹, Igor Khamnagadaev¹, Maria Shkolnikova¹, Ilya Ilich¹, Yanina Volkova¹, Rustem Garipov¹
¹ Research and Clinical Institute for Pediatrics at the Pirogov Russian National Research Medical University, Moscow, Russia

Abstract oral session 8: Clinical and genetic aspects of ARVD/C
Monday, April 20, 2015, 10:30 am-12:00 pm
Room: PASCAL

8-1 Abstract 07-12

CLINICAL CHARACTERISTICS AND OUTCOME OF PEDIATRIC-ONSET ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA/CARDIOMYOPATHY
Anneline S. te Riele¹, Cynthia A. James¹, Abhishek C. Sawant¹, Brittney Murray¹, Crystal Tichnell¹, Ryan Tedford¹, Jane Crosson¹, Daniel P. Judge¹, Hugh Calkins¹, Harikrishna Tandri¹
¹ Johns Hopkins University School of Medicine, Baltimore, United States

8-2 Abstract 07-19

SARCOMERIC MUTATIONS ARE ASSOCIATED WITH ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA/CARDIOMYOPATHY (ARVD/C)
Dennis Dooijes, University Medical Center Utrecht, Utrecht, The Netherlands; Judith A Groeneweg, University Medical Center Utrecht and Interuniversity Cardiology Institute of the Netherlands, Utrecht, The Netherlands; Brittney Murray, Johns Hopkins University School of Medicine, Baltimore, Maryland; Daniel P Judge, Johns Hopkins University School of Medicine, Baltimore, Maryland; Crystal Tichnell, Johns Hopkins University School of Medicine, Baltimore, Maryland; Jan DH Jongbloed, University Medical Center Groningen, Groningen, The Netherlands; J Peter van Tintelen, University Medical Center Groningen, Groningen, The Netherlands; Hugh Calkins, Johns Hopkins University School of Medicine, Baltimore, Maryland; Richard N Hauer, University Medical Center Utrecht and Interuniversity Cardiology Institute of the Netherlands, Utrecht, The Netherlands.
Abstract 07-18

PREGNANCY IN ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA/CARDIOMYOPATHY IS ASSOCIATED WITH A LARGELY UNEVENTFUL COURSE DELIVERY AND PREGNANCY IN ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA/CARDIOMYOPATHY IS ASSOCIATED WITH A LARGELY UNEVENTFUL COURSE AND DEL

Anke R. Hodes 1, Crystal Tichnell 2, Anneline S.J.M. te Riele 3, Brittney Murray 2, Judith A. Groeneweg 4, Abhishek C. Sawant 2, Stuart D. Russell 2, Maarten P. van den Berg 1, Arthur A. Wilde 5, Harikrishna Tandri 2, Daniel P. Judge 2, Richard N.W. Hauer 4, Hugh Calkins 2, J. Peter van Tintelen 5, Cynthia A. James 2

1 University Medical Center Groningen, Groningen, Netherlands, 2 Johns Hopkins University, Baltimore, United States, 3 University Medical Center Utrecht, Utrecht, Netherlands, 4 Interuniversity Cardiology Institute of the Netherlands, Utrecht, Netherlands, 5 Academic Medical Center, Amsterdam, Netherlands

Abstract 07-15

ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA DURING PREGNANCY: RETROSPECTIVE STUDY OF 21 PATIENTS

Emilie Varlet 1, Jacky Nizard 2, Guillaume Duthoit 2, Veronique Fressart 2, Nicolas Badenco 2, Xavier Waintraub 2, Caroline Himbert 2, Carole Maupain 2, Thomas Chastre 2, Françoise Hidden-Lucet 2, Estelle Gandjbakhch 2

1 Hopital Bichat, Paris, France, 2 Hopital La Pitie Salpetriere, Paris, France

Abstract 07-14

PREDICTIVE VALUE OF LOCAL PROLONGED ELECTRO-MECHANICAL INTERVAL IN THE CONCEALED STAGE OF ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA/CARDIOMYOPATHY

Thomas P Mast 1, Arco J Teske 1, Anneline S Te Riele 1, Judith A Groeneweg 1, Jeroen F Heijden van der 1, Birgitta K Velthuis 1, Peter Loh 1, Pieter A Doevendans 1, Dennis Dooijes 1, Jaques M Bakker de 2, Richard N Hauer 3, Maarten J Cramer 1

1 UMC Utrecht, Utrecht, Netherlands, 2 AMC Amsterdam, Amsterdam, Netherlands, 3 ICIN - Netherlands Heart Institute, Utrecht, Netherlands

Abstract 03-12

A NEW RYANODINE RECEPTOR MUTATION ILLUSTRATES THE NEED FOR FAMILY-CENTERED CARE AND GENETIC TESTING IN PATIENTS WITH FAMILIAL ARRHYTHMOGENIC DISORDERS

Cordula M Wolf 1, Isabel Deisenhofer 1, Michaela Horndasch 1, Heide Seidel 1, Peter Ewert 1, Gabriele Hessling 1

1 German Heart Centre Munich / Technical University Munich, Munich, Germany

Abstract oral session 9: Atrial fibrillation mechanisms I

Tuesday, April 21, 2015, 8:30 am-10:00 am
Room: DIDEROT
9-1  Abstract 01-21

A NOVEL AUTOMATED METHOD FOR DETECTING NEAR-INSTANTANEOUS RE-INITIATION OF ATRIAL FIBRILLATION
Caroline H Roney 1, Chris D Cantwell 1, Norman A Qureshi 1, Michael T Debney 1, Prapa Kanagaratnam 1, Jennifer H Siggers 1, Nicholas S Peters 1, Fu Siong Ng 1
1 Imperial College London, London, United Kingdom

9-2  Abstract 14-21

DETERMINING THE RELATIONSHIP BETWEEN RESOLUTION REQUIREMENTS AND WAVEFRONT SPATIAL WAVELENGTH FOR IDENTIFYING ROTORS, FOCI AND MULTIPLE WAVELETS
Caroline H Roney 1, Chris D Cantwell 1, Rheeda L Ali 1, Norman A Qureshi 1, Eugene TY Chang 1, Phang Boon Lim 1, Spencer J Sherwin 1, Jennifer H Siggers 1, Fu Siong Ng 1, Nicholas S Peters 1
1 Imperial College London, London, United Kingdom

9-3  Abstract 14-20

EXCESSIVE ATRIAL ECTOPY AND SHORT RUNS INCREASE THE RISK OF STROKE BEYOND INCIDENT ATRIAL FIBRILLATION
Bjørn Larsen 1, Preman Kumarathurai 1, Julie Falkenberg 1, Olav Wendelboe 1, Ahmad Sajadieh 1
1 Copenhagen University Hospital of Bispebjerg, København N, Denmark

9-4  Abstract 15-26

ALTERNATIVE TO CURRENT INTERVENTIONAL RATIONALES FOR PERSISTENT ATRIAL FIBRILLATION: RIGHT ATRIAL ISOLATION.
Gerard Guiraudon 1, Douglas Jones 1
1 University of Western Ontario, London-Ontario, Canada

9-5  Abstract 15-19

A CELLULAR AUTOMATON MODEL TO IDENTIFY CRITICAL SITES IN ATRIAL FIBRILLATION
Kishan Manani 1, Kim Christensen 1, Nicholas S Peters 1
1 Imperial College London, London, United Kingdom

9-6  Abstract 02-13

CHARACTERISATION OF BASELINE STRUCTURE OF CANINE LEFT ATRIUM DURING ACUTE INDUCED AF
Christian Eichhorn 1, Rasheda A Chowdhury 1, Michael T Debney 1, Norman A Qureshi 1, Caroline H Roney 1, Nicholas S Peters 1, Fu Siong Ng 1
1 Imperial College , London, United Kingdom

Abstract oral session 10: Atrial arrhythmia mechanisms II

Tuesday, April 21, 2015, 8:30 am-10:00 am
Room: DESCARTES
PARTICIPATION OF MIRNAS IN ATRIAL ARRHYTHMOGENIC STRUCTURAL REMODELING IN PATIENTS WITH ATRIAL FIBRILLATION
Marina Eremeeva 1, Amina Ibragimova 1, Tatiana Sukhacheva 1, Valentin Vaskovskiy 1, Amiran Revisvili 1
1 Bakoulev Center for Cardiovascular Surgery, Moscow, Russia

DETERMINANTS OF PREFERENTIAL ROTOR LOCATIONS AND STABILITY IN ATRIAL FIBRILLATION
Fu Siong Ng 1, Caroline H Roney 1, Michael T Debney 1, Christian Eichhorn 1, Arun Nachiappan 1, Norman Qureshi 1, Rasheda A Chowdhury 1, Alexander Lyon 1, Nicholas S Peters 1
1 Imperial College London, London, United Kingdom

ANTIARRHYTHMIC MECHANISMS OF SK CHANNEL INHIBITION IN THE RAT ATRIUM
Lasse Skibsbye 1, Xiaodong Wang 1, Lene Axelsen 1, Morten Schak Nielsen 1, Morten Grunnet 1, Bo Bentzen 1, Thomas Jespersen 1
1 University of Copenhagen, Copenhagen, Denmark

ELECTROGRAMS ARE MORE THAN THE SUM OF THEIR PARTS - A NEW RAT MODEL OF ATRIAL ARRHYTHMIAS REFUTES THE CRITICAL MASS HYPOTHESIS AND REVEALS NEW INSIGHTS INTO HUMAN ATRIAL FIBRILLATION
Junaid Zaman 1, Pravina Patel 1, Jennifer Simonotto 1, Nicholas Peters 1
1 Imperial College London, London, United Kingdom

THE FUNCTIONAL EXPRESSION OF ELECTROPHYSIOLOGIC PARAMETERS IN THE ORGANIZED VS. DISORGANIZED RHYTHM: A COMPARATIVE ASSESSMENT OF VOLTAGE, CONDUCTION VELOCITY, AND FRACTIONATION DURING ATRIAL FIBRILLATION AND THE PACED RHYTHM IN THE PERSISTENT AF SUBSTRATE
Norman Qureshi 1, Steve Kim 2, Chris Cantwell 1, Rheeda Ali 1, Caroline Roney 1, Fu Siong Ng 1, Arunashis Sau 1, Rasheda Chowdhury 1, Michael Kao-Wing 1, Sajad Hayat 1, Elaine Lim 1, Ian Wright 1, Nick Linton 1, David Lefroy 1, Zachary Whinnett 1, D Wyn Davies 1, Prapa Kanagaratnam 1, Nicholas Peters 1, Phang Boon Lim 1
1 Imperial College, London, United Kingdom, 2 St Jude Medical, St Paul, MN, United States

VERY-LOW-DENSITY LIPOPROTEIN OF INDIVIDUALS WITH METABOLIC SYNDROME SHORTENS ATRIAL ACTION POTENTIAL DURATION BY CHANGING CALCIUM TRANSIENT
Hsiang-Chun Lee 1, Wei Chi 1, Hsin-Ting Lin 1, I-Hsin Liu 1, Liang-Yin Ke 2, Chu-Huang Chen 2, Bin-Nan Wu 3, Sheng-Hsiung Sheu 1
1 Division of Cardiology, Department of Internal Medicine, Kaohsiung Medical University Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan, 2 Center of Lipid Biosciences, Kaohsiung Medical University (KMU) Hospital, KMU, Kaohsiung, Taiwan, 3 Department of Pharmacology, College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan
Abstract oral session 11: Management of atrial arrhythmias

Tuesday, April 21, 2015, 8:30 am-10:00 am
Room: PASCAL

11-1  Abstract 15-32

NONINVASIVE ELECTROCARDIOGRAPHIC IMAGING AND CATHETER ABLATION OF PERSISTENT ATRIAL FIBRILLATION
Amiran Revishvili 1, Oleg Sopov 1, Evgenii Labartkava, 1, Vitalii Kalinin 1, George Matsonashvili 1
1 Bakoulev Scientific Center for Cardiovascular Surgery, Moscow, Russia

11-2  Abstract 15-34

MEASUREMENT OF THE ACTIVATED CLOTTING TIME (ACT) TO CONTROL ANTICOAGULATION DURING PULMONARY VEIN ISOLATION: A COMPARISON OF METHODS
Reinhard Höltgen 1, Martin Brück 2, Dirk Bandorski 3, Jessica Hirsch 4, Marcus Wieczorek 1
1 I. Medizinische Klinik - Kardiologie / Elektrophysiologie; St. Agnes-Hospital, Bocholt, Germany, 2 Medizinische Klinik I; Klinikum Wetzlar, Wetzlar, Germany, 3 Medizinische Klinik 2, Universitätssklinikum Gießen, Gießen, Germany, 4 Institut für Medizinische Biometrie und Epidemiologie; Universität Witten/Herdecke, Witten, Germany

11-3  Abstract 15-12

PREDICTORS OF CEREBRAL MICROEMBOLIZATION DURING PHASED RADIOFREQUENCY ABLATION OF ATRIAL FIBRILLATION: ANALYSIS OF BIOPHYSICAL PARAMETERS FROM THE ABLATION GENERATOR.
Edina Nagy-Baló 1, Alexandra Kiss 1, Catherine Condie 2, Mark Stewart 2, Zoltán Csnádi 1
1 University of Debrecen, Institution of Cardiology, Debrecen, Hungary, 2 Medtronic Inc., Minneapolis, United States

11-4  Abstract 15-11

REDUCED LEFT ATRIAL COMPLIANCE CONTRIBUTES TO THE RECURRENCE AFTER CATHETER ABLATION IN PATIENTS WITH LONE ATRIAL FIBRILLATION
Junbeom Park 1, Jin-Kyu Park 1, Jae-Sun Uhm 1, Boyoung Joung 1, Moon-Hyoung Lee 1, Hui-Nam Pak 1
1 Yonsei University Health System, Seoul, Korea, (South) Republic of

11-5  Abstract 15-27

IMPACT OF LEFT ATRIAL LOW VOLTAGE EXTENT ON OUTCOMES AFTER ABLATION FOR PERSISTENT ATRIAL FIBRILLATION
Jeremie SORREL 1, Amir Jadidi 1, Heiko Lehmann 1, Thomas ARENTZ 1
1 Herzcentrum Bad Krozingen, Bad Krozingen, Germany

11-6  Abstract 18-30

ATRIAL TACHYCARDIAS ORIGINATING FROM THE NON CORONARY CUSPS: THE TEL-AVIV MEDICAL CENTER EXPERIENCE IN 7 PATIENTS.
Yoav Michowitz 1, Raphael Rosso 1, Aharon Glick 1, Sami Viskin 1, Bernard Belhassen 1
1 Tel-Aviv Medical Center, Tel-Aviv, Israel
Abstract oral session 12: Atrial fibrillation ablation III

Tuesday, April 21, 2015, 8:30 am-10:00 am
Room: TBA

12-1 Abstract 14-16

IDIOPATHIC ATRIAL FIBRILLATION, INFLAMMATION, AND CLINICAL RESULTS OF RADIOFREQUENCY ABLATION

Roman Batalov 1, Yulia Rogovskaya 1, Viacheslav Ryabov 1, Roman Tatarksiy 1, Svetlana Sazonova 1, Mikhail Khlinin 1, Sergei Popov 1
1 RI of cardiology, Tomsk, Russia

12-2 Abstract 18-33

CHARACTERISTICS OF PATIENTS THAT FAILED CATHETER ABLATION OF ATRIAL FIBRILLATION, A SINGLE CENTER EXPERIENCE

C Teunissen 1, J.F. vd Heijden 1, R.J. Hassink 1, W Kassenberg 1, P.A.F.M Doevendans 1, K.P. Loh 1
1 UMC Utrecht, Utrecht, Netherlands

12-3 Abstract 18-28

MECHANISMS OF ATRIAL ARRHYTHMIAS AFTER MAZE PROCEDURE AND LONG-TERM OUTCOME AFTER CATHETER ABLATION

Andrea Tordini 1, Madhan Nellaiyappan 1, Thanh Tran 1, Sanders Chae 1, Michael Fradley 1, S. Serge Barold 1, Bengt Herweg 1
1 University of South Florida, Tampa, United States

12-4 Abstract 18-14

IMPACT OF CONTACT FORCE TECHNOLOGY ON ATRIAL FIBRILLATION ABLATION: A META-ANALYSIS

Mohammed Shurrab 1, Luigi Di Biase 2, David Briceno 2, Anna Kaoutksaia 1, David Newman 1, Ilan Lashevsky 1, Hiroshi Nakagawa 3, Eugene Crystal 1
1 Sunnybrook Health Sciences Centre, Toronto, Canada, 2 Texas Cardiac Arrhythmia Institute, Austin, United States, 3 University of Oklahoma Health Sciences Center, Oklahoma City, United States

12-5 Abstract 14-11

ANTIARRHYTHMIC THERAPY POST-ABLASTION TO REDUCE ATRIAL FIBRILLATION RECURRENCE: A META-ANALYSIS

Gustavo Goldenberg 1, Daniel Burd 1, Piotr Lodzinski 2, Giussepe Stabile 3, Jacob Udell 4, Mohammed Shurrab 1, Eugene Crystal 1
1 Sunnybrook Hospital, Toronto, Ontario, Canada, 2 Medical University of Warsaw · Department of Cardiology, Warsaw, Poland, 3 Laboratorio di Elettrofisiologia, Casa di Cura San Michele, Maddaloni, Italy, 4 Toronto General Hospital, Toronto, Ontario, Canada

12-6 Abstract 18-12
ACUTE PROCEDURAL RESULTS AND MID-TERM OUTCOME OF ELECTROANATOMICAL GUIDED PULMONARY VEIN ISOLATION: A SINGLE CENTRE OBSERVATIONAL STUDY COMPARING A REAL-TIME CONTACT FORCE SENSING VERSUS STANDARD TIP IRRIGATED ABLATION CATHETER

Daniele Muser \textsuperscript{1}, Luca Rebellato \textsuperscript{1}, Gaetano Nucifora \textsuperscript{1}, Domenico Facchin \textsuperscript{1}, Mauro Toniolo \textsuperscript{1}, Silvia Magnani \textsuperscript{2}, Alessandro Proclemer \textsuperscript{1}

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