

ECAS 2015

ACCEPTED ABSTRACTS FOR CHAIRED ORAL PRESENTATIONS

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 Noseworthy¹, Holly Van Houten¹, Lindsey Sangaralingham¹, Abhishek Deshmuk¹, Suraj Kapa¹, Siva Mulpuru¹, Christopher McLeod¹, Samuel Asirvatham¹, Nilay Shah¹, Douglas Packer¹

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 Ullah¹, Ailsa McLean¹, Muzahir Tayebjee², Dhiraj Gupta³, Matthew Ginks⁴, Guy Haywood⁵, Mark O'Neill⁶, Pier Lambiase⁷, Mark Earley¹, Richard Schilling¹, Smart AF Trial Group UK⁸¹ *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 Bars¹, Julien Seitz², Guillaume Theodore³, Ange Ferracci², Michel Bremond², Jacques Faure², André Pisapia²

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 Winkle¹, Julian Jarman², R. Hardwin Mead¹, Gregory Engel¹, Melissa Kong¹, William Fleming¹, Rob Patrawala¹

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 Ang¹, Aaisha Opel¹, Waqas Ullah¹, Victoria Baker¹, Malcolm Finlay¹, Mehul Dhinoja¹, Mark Earley¹, Simon Sporton¹, Richard Schilling¹, Ross Hunter¹

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 Sattler¹, Johannes Siebermair¹, Eva Klocker¹, Lucia Olesch¹, Samira Saraj¹, Ina Klier¹, Christoph Schuhmann¹, Sebastian Clauss¹, Moritz Sinner¹, Stephanie Fichtner¹, Stefan Kääb¹, Heidi Estner¹, Reza Wakili¹

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 Bloa¹, Frederic Sacher¹, Jean-Baptiste Gourraud², Philippe Maury³, Gabriel Laurent⁴, Christophe Leclercq⁵, Jacques Mansourati⁶, Dominique Babuty⁷, Jean-Luc Pasquié⁸, Pierre Jais¹, Nicolas Derval¹, Arnaud Denis¹, Meleze Hocini¹, Michel Haïssaguerre¹, Vincent Probst²

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 Martens¹, Johannes Siebermair¹, Regina Freeden², Carsten Koenig², Stefan Veith¹, Moritz Sinner¹, Stefan Kääb¹

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 Fumagalli¹, Ilaria Russo¹, Lidia Staszewsky¹, Roberto Latini¹, Antonio Zaza²,

Giuseppe Ristagno ¹

¹ IRCCS-Istituto di Ricerche Farmacologiche "Mario Negri", Milan, Italy, ² Dipartimento di Biotecnologie e Bioscienze, Università degli Studi Milano-Bicocca, Milan, Italy

2-4 Abstract 19-16

FOLLOW-UP OF PATIENTS WITH IDIOPATHIC VENTRICULAR FIBRILLATION (THE FUIV 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 Lalombarda 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 Marijon 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 Ranguel, 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

ATRIAL FIBRILLATION AND RISK OF THROMBOEMBOLISM

Omer Iqbal¹, Yasir Nabeel¹, Hardik Doshi¹, Lee Joseph¹, Prashant Bhawe¹, Miriam Zimmerman¹, Michael Giudici¹

¹ *University of Iowa Hospitals and Clinics, Iowa city , United States*

3-2 Abstract 15-57

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 Mohanty³, Prasant Mohanty⁶, Sameer Prakash⁷, Rong Bai³, Carola Gianni⁸, Rodney Horton⁵, Elisabeth Sigmund⁵, Michael Derndorfer⁴, Anja Schade⁹, Patrick Mueller¹⁰, Atilla Szoelloes⁵, Javier Sanchez³, Amin Al-Ahmad³, Patrick Hranitzky⁵, G. Joseph Gallinghouse⁵, Richard H. Hongo⁵, 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 2. University of Kansas Medical Center, Kansas City, KS 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, Wuhan, China 8. Texas Cardiac Arrhythmia Research, Austin, TX 9. Northern California Heart Care, San Francisco, CA 10. California Pacific Medical Center, San Francisco

3-3 Abstract 15-28

HYPERACUTE AND CHRONIC CHANGES IN CEREBRAL MAGNETIC RESONANCE IMAGES AFTER PVAC, NMARQ AND EPICARDIAL THORACOSCOPIC SURGICAL ABLATION FOR PAROXYSMAL ATRIAL FIBRILLATION

Conn Sugihara¹, Neil Barlow¹, Emma Owens¹, David Sallomi¹, Steve Furniss¹, Neil Sulke¹

¹ *East Sussex Healthcare NHS Trust, Eastbourne, United Kingdom*

3-4 Abstract 15-51

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 Kalejs¹, Olga Litunenکو², Aldis Strelnieks³, Sandis Sakne¹, Milana Zabunova¹, Marina Kovalova⁴, Galina Dormidontova⁵, Iveta Sime⁶, Natalija Pontaga⁵, Kaspars Kupics¹, Maija Vikmane¹, Janis Guslens⁷, Aivars Lejnieks³, Andrejs Erglis¹

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*

3-5 Abstract 15-36

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

Liang-han Ling¹, Hunter Ross¹, Waqas Ullah¹, Alex Breitenstein¹, Finlay Malcolm¹, Aaisha

Opel¹, Sarah Horan¹, Bernd Brüggjenjürgen², Harald Darius³, Raffaele De Caterina⁴, Kamran Iqbal⁵, Jean-Yves Le Heuzey⁶, Paulus Kirchhof⁷, Josef Schmitt⁸, Jose Luis Zamorano⁹, Richard Schilling¹

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 Möllenhoff¹, Dirk Bastian², Athanasios Katsargyris¹, Konrad Göhl², Eric L. G. Verhoeven¹

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 VENTRICULAR ENDOCARDIAL BIPOLAR LATE POTENTIALS IN BRUGADA SYNDROME

Luigi Sciarra¹, Ermenegildo De Ruvo¹, Chiara Lanzillo¹, Alessio Borrelli¹, Antonio Scarà¹, Marco Rebecchi¹, Alessandro Fagagnini¹, Marta Marziali¹, Lucia De Luca¹, Domenico Grieco¹, Ludovica Scialla², Elisa Salustri³, Annamaria Martino¹, Leonardo Calò¹

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 Selvadurai¹, Emmanuel Dupont¹, Caroline Roney¹, Norman Qureshi¹, Fu Siong Ng¹, Rasheda Chowdhury¹, Nicholas Peters¹

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 Ng¹, Elham Behradfar², Michael T Debney¹, Anders Nygren², Adam Hartley¹, Alexander Lyon¹, Igor Efimov³, Edward Vigmond⁴, Nicholas S Peters¹

¹ Imperial College London, London, United Kingdom, ² University of Calgary, Calgary,

Canada, ³ Washington University in Saint Louis, Saint Louis, United States, ⁴ Universite Bordeaux 1, Bordeaux, France

4-4 Abstract 02-14

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 ¹, Nicolas Lellouche ², Chris Von Ruhling ¹, David Edwards ¹, Chris George ¹, Alan Williams ¹

¹ Wales Heart Research Institute, Cardiff, United Kingdom, ² Henri Mondor Hopital, Paris, France

4-5 Abstract 01-23

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 ¹, Malcolm Finlay ², Naomi Anderson ³, Stephen Harmer ³, Andrew Tinker ³

¹ UCL and QMUL, London, United Kingdom, ² Barts Health NHS Trust and QMUL, London, United Kingdom, ³ QMUL, London, United Kingdom

4-6 Abstract 17-13

MELATONIN AND OMACOR INCREASE THRESHOLD TO INDUCE VF AND NORMALIZE MYOCARDIAL CONNEXIN-43 EXPRESSION IN FEMALE RATS EXPOSED TO HIGH SUCROSE DIET.

Tamara Benova ¹, Csilla Viczenczova ¹, Jana Radosinska ², Vladimir Knezl ³, Barbara Bacova ¹, Jana Navarova ³, Branislav Obsitnik ⁴, Jan Slezak ¹, Narcisa Tribulova ¹

¹ Institute for Heart Research, Slovak Academy of Sciences, Bratislava, Slovakia, ² Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia, ³ Institute of Experimental Pharmacology & Toxicology, Slovak Academy of Sciences, Bratislava, Slovakia, ⁴ 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**

5-1 Abstract 04-13

SITES OF ATRIAL FIBRILLATION ROTORS MAY OVERLAY GANGLIONATED PLEXI IN LEFT ATRIUM

Tina Baykaner ¹, Junaid Zaman ², Theodoros Zografos ³, Ioannis Pantos ³, David Krummen ¹, Demosthenes Katritsis ³, Sanjiv Narayan ⁴

¹ University of California, San Diego, San Diego, United States, ² Imperial College London, London, United Kingdom, ³ Athens Euroclinic, Athens, Greece, ⁴ Stanford University, Palo Alto, United States

5-2 Abstract 28-16

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 Qureshi¹, Cheng Yao², Shahnaz Jamil-Copley¹, Michael Koa-Wing¹, Sajad Hayat¹, Fu Siong Ng¹, Afzal Sohaib¹, Elaine Lim¹, Ian Wright¹, Nick Linton¹, David Lefroy¹, Zachary Whinnett¹, Nicholas Peters¹, Prapa Kanagaratnam¹, Phang Boon Lim¹, D Wyn Davies¹

¹ Imperial College, London, United Kingdom, ² CardiInsight 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 Zaman¹, Vijay Swarup², Robert Kowal³, James Daubert⁴, John Day⁵, John Hummel⁶, David Krummen⁷, Moussa Mansour⁸, Vivek Reddy⁹, Kevin Wheelan³, Sanjiv Narayan¹, John Miller¹⁰

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 Anderson¹, Conn Sugihara¹, Ragunath Shunmugam¹, Rick Veasy¹, Aerakondal Gopalamurugan¹, Steve Furniss¹, Neil Sulke¹

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 Ruvo¹, Massimo Grimaldi², Giovanni Rovaris³, Ezio Soldati⁴, Giuseppe Stabile⁵, Matteo Anselmino⁶, Francesco Solimene⁷, Assunta Iuliano⁵, Vincenzo Schillaci⁶, Luigi Sciarra¹, Maria Grazia Bongiorno⁴, Fiorenzo Gaita⁶, Leonardo Calò¹

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 Scienze 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 Shunmugam¹, Rick Veasey¹, Conn Sugihara¹, Sarah Anderson¹, Aerakondal Gopalamurugan¹, Furniss Steve¹, Sulke Neil¹

¹ East Sussex health care NHS trust, Eastbourne, United Kingdom

Abstract oral session 6: Cardiac resynchronization therapy: techniques and outcome

Monday, April 20, 2015, 10:30 am-12:00 pm
Room: DIDEROT

6-1 Abstract 24-20

A HIGHLY EFFECTIVE TECHNIQUE FOR TRANSSEPTAL ENDOCARDIAL LEFT VENTRICULAR LEAD PLACEMENT FOR DELIVERY OF CARDIAC RESYNCHRONISATION THERAPY

Giulia Domenichini¹, Ihab Diab², Niall Campbell¹, Mehul Dhinoja¹, Ross Hunter¹, Simon Sporton¹, Mark Earley¹, Richard Schilling¹

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 Muser¹, Pasquale Santangeli², Andrew Epstein², Mathew Hutchinson², Erica Zado², David Callans², Alessandro Proclemer¹, Francis Marchlinski²

¹ *Azienda Ospedaliera 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 Saksena¹, Marwan Saad¹, April Slee¹, Hansini Laharawani¹, Rangadham Nagarakanti¹

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 Kim¹, Junbeom Park¹, Jin-Kyu Park¹, Jae-Sun Uhm¹, Boyoung Joung¹, Moon-Hyoung Lee¹, Hui-Nam Pak¹

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 KIS¹, Imre KASSAI M.D, PhD¹, Attila MIHALCZ M.D¹, Attila KARDOS M.D PhD¹, Csaba FOLDESI M.D¹, Andrea ARANY M.D², Gabriella GYORI M.D², Tamas SZIL-TOROK M.D PhD³

¹ *Gottsegen Gyorgy National Cardiology Institute, Budapest, Hungary,* ² *United St. Istvan and Laszlo Hospital , Budapest, Hungary,* ³ *Erasmus University , Rotterdam , Netherlands*

6-6 Abstract 24-13

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 Grett¹, Hans-Joachim Trappe¹

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 Teres¹, Mehdi Namdar¹, Pascale Gentil-Baron¹, Henri Sunthorn¹, Haran Burri¹, Dipen Shah¹

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 Muser¹, Pasquale Santangeli², Silvia Magnani³, Erica Zado², Mathew Hutchinson², Gregory Supple², David Frankel², Fermin Garcia², Rupa Bala², Michael Riley², Eduardo Rame², Sanjay Dixit², Alessandro Proclemer¹, Francis Marchlinski², David Callans²

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 Luther¹, Shahnaz Jamil-Copley¹, Nicholas Linton¹, Michael Koa-Wing¹, Sajad Hayat¹, Pasquale Vergara², Fu-Siong Ng¹, Zachary Whinnett¹, Phang Boon Lim¹, David Lefroy¹, David Wyn Davies¹, Nicholas Peters¹, Paolo Della Bella², Prapa Kanagaratnam¹

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 Luther¹, Shahnaz Jamil-Copley¹, Michael Koa-Wing¹, Matthew ShunShin¹, Ian Wright¹, Sajad Hayat¹, Nicholas Linton¹, Phang Boon Lim¹, Zachary Whinnett¹, David

Lefroy¹, Nicholas Peters¹, David Wyn Davies¹, Prapa Kanagaratnam¹
¹ *Imperial College Healthcare NHS Trust, London, United Kingdom*

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*; 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; Cynthia A James, Johns Hopkins University School of Medicine, Baltimore, Maryland;

8-3 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. Hodes¹, Crystal Tichnell², Anneline S.J.M. te Riele³, Brittney Murray², Judith A. Groeneweg⁴, Abhishek C. Sawant², Stuart D. Russell², Maarten P. van den Berg¹, Arthur A. Wilde⁵, Hari Krishna Tandri², Daniel P. Judge², Richard N.W. Hauer⁴, Hugh Calkins², J. Peter van Tintelen⁵, Cynthia A. James²

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

8-4 Abstract 07-15

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

Emilie Varlet¹, Jacky Nizard², Guillaume Duthoit², Veronique Fressart², Nicolas Badenco², Xavier Waintraub², Caroline Himbert², Carole Maupain², Thomas Chastre², Françoise Hidden-Lucet², Estelle Gandjbakhch²

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

8-5 Abstract 07-14

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

Thomas P Mast¹, Arco J Teske¹, Anneline S Te Riele¹, Judith A Groeneweg¹, Jeroen F Heijden van der¹, Birgitta K Velthuis¹, Peter Loh¹, Pieter A Doevendans¹, Dennis Dooijes¹, Jaques M Bakker de², Richard N Hauer³, Maarten J Cramer¹

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

8-6 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 Wolf¹, Isabel Deisenhofer¹, Michaela Horndasch¹, Heide Seidel¹, Peter Ewert¹, Gabriele Hessling¹

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 Roney¹, Chris D Cantwell¹, Norman A Qureshi¹, Michael T Debney¹, Prapa Kanagaratnam¹, Jennifer H Siggers¹, Nicholas S Peters¹, Fu Siong Ng¹

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 Roney¹, Chris D Cantwell¹, Rheeda L Ali¹, Norman A Qureshi¹, Eugene TY Chang¹, Phang Boon Lim¹, Spencer J Sherwin¹, Jennifer H Siggers¹, Fu Siong Ng¹, Nicholas S Peters¹

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 Larsen¹, Preman Kumarathurai¹, Julie Falkenberg¹, Olav Wendelboe¹, Ahmad Sajadieh¹

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 Guiraudon¹, Douglas Jones¹

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 Manani¹, Kim Christensen¹, Nicholas S Peters¹

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 Eichhorn¹, Rasheda A Chowdhury¹, Michael T Debney¹, Norman A Qureshi¹, Caroline H Roney¹, Nicholas S Peters¹, Fu Siong Ng¹

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

10-1 Abstract 02-10

PARTICIPATION OF MIRNAS IN ATRIAL ARRHYTHMOGENIC STRUCTURAL REMODELING IN PATIENTS WITH ATRIAL FIBRILLATION

Marina Ereemeeva¹, Amina Ibragimova¹, Tatiana Sukhacheva¹, Valentin Vaskovskiy¹, Amiran Revishvili¹

¹ *Bakoulev Center for Cardiovascular Surgery, Moscow, Russia*

10-2 Abstract 01-14

DETERMINANTS OF PREFERENTIAL ROTOR LOCATIONS AND STABILITY IN ATRIAL FIBRILLATION

Fu Siong Ng¹, Caroline H Roney¹, Michael T Debney¹, Christian Eichhorn¹, Arun Nachiappan¹, Norman Qureshi¹, Rasheda A Chowdhury¹, Alexander Lyon¹, Nicholas S Peters¹

¹ *Imperial College London, London, United Kingdom*

10-3 Abstract 01-11

ANTIARRHYTHMIC MECHANISMS OF SK CHANNEL INHIBITION IN THE RAT ATRIUM

Lasse Skibsbye¹, Xiaodong Wang¹, Lene Axelsen¹, Morten Schak Nielsen¹, Morten Grunnet¹, Bo Bentzen¹, Thomas Jespersen¹

¹ *University of Copenhagen, Copenhagen, Denmark*

10-4 Abstract 01-13

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 Zaman¹, Pravina Patel¹, Jennifer Simonotto¹, Nicholas Peters¹

¹ *Imperial College London, London, United Kingdom*

10-5 Abstract 01-19

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 Qureshi¹, Steve Kim², Chris Cantwell¹, Rasheda Ali¹, Caroline Roney¹, Fu Siong Ng¹, Arunashis Sau¹, Rasheda Chowdhury¹, Michael Kao-Wing¹, Sajad Hayat¹, Elaine Lim¹, Ian Wright¹, Nick Linton¹, David Lefroy¹, Zachary Whinnett¹, D Wyn Davies¹, Prapa Kanagaratnam¹, Nicholas Peters¹, Phang Boon Lim¹

¹ *Imperial College, London, United Kingdom*, ² *St Jude Medical, St Paul, MN, United States*

10-6 Abstract 02-12

VERY-LOW-DENSITY LIPOPROTEIN OF INDIVIDUALS WITH METABOLIC SYNDROME SHORTENS ATRIAL ACTION POTENTIAL DURATION BY CHANGING CALCIUM TRANSIENT

Hsiang-Chun Lee¹, Wei Chi¹, Hsin-Ting Lin¹, I-Hsin Liu¹, Liang-Yin Ke², Chu-Huang Chen², Bin-Nan Wu³, Sheng-Hsiung Sheu¹

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 Revishvili¹, Oleg Sopov¹, Evgenii Labartkava,¹ Vitalii Kalinin¹, George Matsonashvili¹

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 Höltgen¹, Martin Brück², Dirk Bandorski³, Jessica Hirsch⁴, Marcus Wieczorek¹

¹ *I. Medizinische Klinik - Kardiologie / Elektrophysiologie; St. Agnes-Hospital, Bocholt, Germany,* ² *Medizinische Klinik I; Klinikum Wetzlar, Wetzlar, Germany,* ³ *Medizinische Klinik 2, Universitätsklinikum 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-Baló¹, Alexandra Kiss¹, Catherine Condie², Mark Stewart², Zoltán Csnádi¹

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 Park¹, Jin-Kyu Park¹, Jae-Sun Uhm¹, Boyoung Joung¹, Moon-Hyoung Lee¹, Hui-Nam Pak¹

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 SORREL¹, Amir Jadidi¹, Heiko Lehrmann¹, Thomas ARENTZ¹

¹ *Herzzentrum 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 Michowitz¹, Raphael Rosso¹, Aharon Glick¹, Sami Viskin¹, Bernard Belhassen¹

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 Batalov¹, Yulia Rogovskaya¹, Viacheslav Ryabov¹, Roman Tatarskiy¹, Svetlana Sazonova¹, Mikhail Khlinin¹, Sergei Popov¹

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 Teunissen¹, J.F. vd Heijden¹, R.J. Hassink¹, W Kassenberg¹, P.A.F.M Doevendans¹, K.P. Loh¹

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 Tordini¹, Madhan Nellaiyappan¹, Thanh Tran¹, Sanders Chae¹, Michael Fradley¹, S. Serge Barold¹, Bengt Herweg¹

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 Shurrab¹, Luigi Di Biase², David Briceno², Anna Kaoutskaia¹, David Newman¹, Ilan Lashevsky¹, Hiroshi Nakagawa³, Eugene Crystal¹

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-ABLATION TO REDUCE ATRIAL FIBRILLATION RECURRENCE: A META-ANALYSIS

Gustavo Goldenberg¹, Daniel Burd¹, Piotr Lodzinski², Giuseppe Stabile³, Jacob Udell⁴, Mohammed Shurrab¹, Eugene Crystal¹

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
CENTREOBSERVATIONAL STUDY COMPARING A REAL-TIME CONTACT FORCE
SENSING VERSUS STANDARD TIP IRRIGATED ABLATION CATHETER**

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

¹ Azienda Ospedaliera Santa Maria della Misericordia di Udine, Udine, Italy, ² Azienda Ospedaliera di Trieste, Trieste, Italy