

**ABSTRACTS ACCEPTED FOR ORAL PRESENTATIONS
ECAS 2018**

1-1 Abstract 18-37

CATHETER ABLATION FOR ATRIAL FIBRILLATION ON UNINTERRUPTED NOACS: A SAFE APPROACH?

Vinit Sawhney¹, Masooma Shaukat¹, Elena Volkova¹, Qiang Yao¹, Nicola Jones¹, Waqas Ullah¹, Shoreh Honarbakhsh¹, Gurpreet Dhillon¹, Martin Lowe¹, Anthony Chow¹, Pier Lambiase¹, Mehul Dhinoja¹, Malcolm Finlay¹, Mehul Dhinoja¹, Simon Sporton¹, Mark Earley¹, Richard Schilling¹, Ross Hunter¹

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1-2 Abstract 18-15

WIDE AREA LEFT ATRIAL APPENDAGE ISOLATION FOR ATRIAL FIBRILLATION THERAPY: LONG-TERM SUCCESS AND INCIDENCE OF STROKE AND THROMBUS FORMATION

Christian Heeger¹, Andreas Rillig¹, Tobias Fink¹, Shibu Mathew¹, Roland Richard Tilz², Bruno Reissmann¹, Christine Lemes¹, Tilman Maurer¹, Francesco Santoro¹, Hannes Alessandrini¹, Inge Dotz¹, Andreas Metzner¹, Karl-Heinz Kuck¹, Feifan Ouyang¹

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1-3 Abstract 18-27

OUTCOMES FOLLOWING CRYOBALLOON ABLATION FOR ATRIAL FIBRILLATION GUIDED BY PRESSURE WAVEFORM MONITORING WITHOUT THE ROUTINE USE OF PULMONARY VENOGRAPHY

Akshith Sharma¹, Jashdeep Dhoot¹, Jingyan Wang², Phil Jones², Sanjaya Gupta², Alan Wimmer²

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1-4 Abstract 15-62

DEEP CONVOLUTIONAL NEURAL NETWORKS (CNNs) FOR IDENTIFYING ELECTROGRAM TARGETS WHERE ABLATION TERMINATES PERSISTENT ATRIAL FIBRILLATION

Mahmood Alhousseini¹, Firas Abuzaid¹, Paul Clopton¹, Mark Swerdlow¹, Natasha Maniar¹, Albert Rogers¹, Miguel Rodrigo¹, Tina Baykaner¹, Junaid Zaman¹, Christopher Kowalewski¹, Fatemah Shenasa¹, Mohan Viswanathan¹, Paul Wang¹, Wouter-Jan Rappel², Peter Bailis¹, Matei Zaharia¹, Sanjiv Narayan¹

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1-5 Abstract 18-19

LEFT ATRIAL TACHYCARDIA CAN BE TERMINATED QUICKLY USING HIGH DENSITY MAPPING

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1-6 Abstract 18-28

HALF OF RECURRENCES OCCURS AFTER 1-YEAR FOLLOW-UP AFTER CRYOABLATION OF PERSISTENT ATRIAL FIBRILLATION

Alexis Hermida¹, Pierre-Marc Lallemand¹, Maciej Kubala¹, Fabian Tournevache¹, Otilia Buiciuc¹, Serge Quenum¹, Jean-Sylvain Hermida¹

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2-1 Abstract 24-12

CARDIAC RESYNCHRONIZATION THERAPY UTILIZING PERMANENT HIS BUNDLE PACING IN PATIENTS WITH RIGHT BUNDLE BRANCH BLOCK AND LEFT VENTRICULAR SYSTOLIC DYSFUNCTION

Pugazhendhi Vijayaraman¹, Angela Naperkowski¹, Parikshit Sharma², Joseph Chan³, Kenneth A Ellenbogen⁴

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2-2 Abstract 24-14

PERMANENT HIS BUNDLE PACING AS AN ALTERNATIVE TO BIVENTRICULAR PACING IN PATIENTS REQUIRING CARDIAC RESYNCHRONIZATION THERAPY

Sarah Worsnick¹, Parikshit Sharma², Gopi Dandamudi³, Bengt Herweg⁴, David Wilson⁴, Rajeev Singh³, Angela Naperkowski¹, Jayanthi Koneru⁵, Kenneth Ellenbogen⁵, Pugazhendhi Vijayaraman¹

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2-3 Abstract 24-11

HIS-OPTIMIZED CARDIAC RESYNCHRONIZATION THERAPY (HOT-CRT): A NOVEL APPROACH TO ENHANCE CRT RESPONSE

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2-4 Abstract 22-11

LEAD LOCATION IN RELATION TO SITE OF INTRA-HISIAN BLOCK IN SUCCESSFUL HIS BUNDLE PACING (HBP)

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2-5 Abstract 23-26

PERMANENT HIS BUNDLE PACING: A SINGLE CENTER EXPERIENCE FROM AN ACADEMIC MEDICAL CENTER

Nicholas Serafini ¹, Estefania Oliveros-Sole ¹, Ryan Zimberg ¹, Henry Huang ¹, Pratik Patel ¹, Kousik Krishnan ¹, Richard Trohman ¹, Parikshit Sharma ¹

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2-6 Abstract 24-10

ASSOCIATION BETWEEN OBSTRUCTIVE SLEEP APNEA AND ALL-CAUSE MORTALITY IN PATIENTS RECEIVING CARDIAC RESYNCHRONIZATION THERAPY: A RETROSPECTIVE COHORT STUDY

Ghanshyam Palamaner Subash Shantha ¹, Naga Venkata Pothineni ², Amgad Mentias ¹, Taylor Rasmussen ¹, Frank Pelosi ³, Hakan Oral ³, Prashant Bhawe ⁴, Brian Olshansky ¹, Mary Vaughan Sarrazin ¹, Michael Giudici ¹

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3-1 Abstract 17-23

ARRHYTHMIA TYPE AND DURATION ON MYOCARDIAL RECOVERY IN PATIENTS WITH ARRHYTHMIA INDUCED CARDIOMYOPATHY: A MULTICENTER STUDY

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

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3-2 Abstract 07-18

CORRELATION BETWEEN TERMINAL ACTIVATION DURATION AND VENTRICULAR ARRHYTHMIA IN ARRHYTHMOGENIC CARDIOMYOPATHY

Rob Roudijk¹, Laurens Bosman¹, Maarten van den Berg², Katja Zeppenfeld³, Peter Loh⁴, Peter van Tintelen¹, Anneline te Riele¹, Richard Hauer¹

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3-3 Abstract 07-20

REGIONAL LONGITUDINAL STRAIN BY FEATURE TRACKING CARDIAC MAGNETIC RESONANCE PREDICTS SUSTAINED VENTRICULAR ARRHYTHMIAS IN ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY

Mimount Bourfiss¹, Cynthia A. James², Mounes Aliyari Ghasabeh², Laurens P. Bosman³, Jeroen F. van der Heijden¹, Ihab R. Kamel², Harikrishna Tandri², Richard N. Hauer³, Hugh Calkins², David A. Bluemke⁴, Stefan L. Zimmerman², Birgitta K. Velthuis¹, Anneline S.J.M. te Riele¹

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3-4 Abstract 07-17

RISK STRATIFICATION OF FAMILY MEMBERS IN ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY BY ECHOCARDIOGRAPHIC DEFORMATION IMAGING

Karim Taha¹, Thomas Mast¹, Maarten-Jan Cramer¹, Joost Lumens², Jeroen van der Heijden¹, Berto Bouma³, Maarten van den Berg⁴, Folkert Asselbergs¹, Pieter Doevendans¹, Arco Teske¹

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3-5 Abstract 17-24

3 YEAR OUTCOME OF SUCCESSFUL EPICARDIAL-ENDOCARDIAL CATHETER ABLATION OF SUSTAINED REENTRANT MONOMORPHIC VENTRICULAR TACHYCARDIA IN HYPERTROPHIC CARDIOMYOPATHY PATIENT

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3-6 Abstract 07-21

CLINICAL PERFORMANCE OF THE 2017 AHA/ACC/HRS GUIDELINE FOR MANAGEMENT OF VENTRICULAR ARRHYTHMIAS IN ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY

Laurens Bosman¹, Julia Cadrin-Tourigny², Weijia Wang³, Mimount Bourfiss⁴, Brittney Murray³, Crystal Tichnell³, Katja Zeppenfeld⁵, Arthur Wilde⁶, Maarten van den Berg⁷, Folkert Asselbergs, Harikrishna Tandri³, Peter van Tintelen⁶, Hugh Calkins³, Richard Hauer¹, Cynthia James³, Anneline te Riele¹

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4-1 Abstract 18-13

COOLING DYNAMICS: A NEW PREDICTOR OF LONG-TERM EFFICACY OF ATRIOVENTRICULAR NODAL REENTRANT TACHYCARDIA CRYOABLATION

Mario Matta ¹, Matteo Anselmino ¹, Marco Scaglione ², Marco Vitolo ¹, Federico Ferraris ¹, Paolo Di Donna ², Domenico Caponi ², Davide Castagno ¹, Fiorenzo Gaita ¹

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4-2 Abstract 18-16

EFFICACY AND SAFETY OF CRYOABLATION OF PARA-HISIAN AND MID-SEPTAL ACCESSORY PATHWAYS USING A SPECIFIC PROTOCOL: SINGLE CENTER EXPERIENCE IN CONSECUTIVE PATIENTS

Giuseppe Fonte ¹, Jacopo Marazzato ¹, Beatrice Bellini ¹, Gaia Telli ¹, Manola Vilotta ¹, Raffaella Marazzi ¹, Lorenzo Adriano Doni ¹, Roberto De Ponti ¹

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4-3 Abstract 18-29

ABLATION OF SLOW PATHWAY FOR AVNRT WITH ZERO X-RAY EXPOSURE USING VIRTUAL ANATOMY, LOCAL POTENTIAL COMBINED DROP-OFF MOTION RESULTED IN NO HIGH DEGREE ATRIOVENTRICULAR BLOCK

Jian Qiang Zhang ¹, Wei Wei Wang ², Jian Zhou ¹, Ying Hao ¹, Jie Lin Pu ¹

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4-4 Abstract 17-22

ABLATION OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH STRUCTURAL HEART DISEASE AND ELECTRICAL STORM

Shibu Mathew ¹, Tilmann Maurer ¹, Bruno Reismann ¹, Christian Heeger ¹, Christine Lemeš ¹, Andreas Rillig ¹, Andreas Metzner ¹, Karl-Heinz Kuck ¹, Feifan Ouyang ¹

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4-5 Abstract 15-67

THE RADIOFREQUENCY CATHETER ABLATION OF INTER-FASCICULAR REENTRANT

TACHYCARDIA: NEW INSIGHTS INTO THE ELECTROPHYSIOLOGICAL AND ANATOMICAL CHARACTERISTICS

Kaoru Okishige¹, Harumizu Sakurada², Yuka Mizusawa², Yasuteru Yamauchi³, Seiji Fukamizu², Hideshi Aoyagi¹, Yoshifumi Okano⁴, Koji Azegami¹, Tetsuo Sasano⁵, Kenzo Hirao⁵

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4-6 Abstract 18-14

CEREBRAL PROTECTION DURING CATHETER ABLATION OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH ISCHEMIC HEART DISEASE

Christian Heeger¹, Andreas Metzner¹, Michael Schlüter¹, Andreas Rillig¹, Maria E. Romero², Shibu Mathew¹, Renu Virmani¹, Fink Thomas¹, Bruno Reissmann¹, Christine Lemes¹, Tilman Maurer¹, Francesco Santoro¹, Tobias Schmidt¹, Alexander Ghanem¹, Christian Frerker¹, Karl-Heinz Kuck¹, Feifan Ouyang¹

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5-1 Abstract 15-19

SHOULD PATIENTS > 65 YEARS WITH INCIDENT ATRIAL FIBRILLATION AND A CHA2DS2-VASC SCORE 1 BE QUALIFIED FOR ANTICOAGULATION TREATMENT?

Tommy Andersson¹, Anders Magnuson², Ole Fröbert¹, Ing-Liss Bryngelsson³, Karin M. Henriksson⁴, Nils Edvardsson⁵, Dritan Poci¹

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5-2 Abstract 15-20

THE IMPACT OF POLYPHARMACY ON THE EFFECTIVENESS OF ORAL ANTICOAGULANTS IN PATIENTS WITH ATRIAL FIBRILLATION: A MEDICARE ANALYSIS

Ghanshyam Palamaner Subash Shantha¹, Amgad Mentias¹, Naga Venkata K. Pothineni², Michael Giudici¹, Mary Vaughan Sarrazin¹

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5-3 Abstract 15-15

COMPARATIVE EFFECTIVENESS OF ORAL ANTICOAGULANTS IN PATIENTS WITH ATRIAL FIBRILLATION AND MULTIPLE CHRONIC CONDITIONS: A MEDICARE ANALYSIS

Ghanshyam Palamaner Subash Shantha ¹, Amgad Mentias ¹, Prashant Bhawe ², Michael Giudici ¹, Frank Pelosi ³, Hakan Oral ³, Mary Vaughan Sarrazin ¹

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5-4 Abstract 06-14

POTENTIAL ROLE OF PFO IN PATIENTS AFTER AN ESUS EVENT AND WITH IMPLANTABLE CARDIAC MONITOR

Claudia Sabrina Summo ¹, Lisa Riesinger ¹, Michael Mehr ¹, Johannes Siebermair ², Stephanie Fichtner ¹, Christoph Schuhmann ¹, Steffen Massberg ¹, Reza Wakili ²

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5-5 Abstract 15-13

ROLE OF DIABETES AND INSULIN USE IN THE RISK OF STROKE AND ACUTE MYOCARDIAL INFARCTION IN PATIENTS WITH ATRIAL FIBRILLATION: A MEDICARE ANALYSIS

Ghanshyam Shantha ¹, Amgad Mentias ¹, Alexander Mazur ¹, Michael Giudici ¹, Oluwaseun Adeola ¹, Frank Pelosi ², Hakan Oral ², Rajan Sah ¹, Mary Vaughan Sarrazin ¹

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5-6 Abstract 15-32

SAFE DISCONTINUATION OF ORAL ANTICOAGULATION FOLLOWING ABLATION FOR ATRIAL FIBRILLATION

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6-1 Abstract 19-20

OUT OF HOSPITAL CARDIAC ARREST IN POPULATION BASED IN FRANCE

Jacques Beaune ¹, Gérard Helft ², Valentine Baert ³, Josephine Escutnaire ³, Hervé Hubert ³, Pierre Yves Gueugniaud ⁴

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6-2 Abstract 19-15

SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATORS AMONG PATIENTS WITH HYPERTROPHIC CARDIOMYOPATHY

Austin Burrows ¹, Christopher Phelan ¹, Yazan Daaboul ¹, William C. Daly ¹, Charles Miller ¹, Christopher Madias ¹, N. A. Mark Estes III ¹

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6-3 Abstract 23-12

GENDER DIFFERENCES IN ICD-IMPLANTATION RATES AND THE UNDERLYING DISEASE FOR ICD-IMPLANTATION – A LARGE REAL LIFE ANALYSIS

Margarethe Wiedenmann ¹, Alessandra Buiatti ¹, Johannes Siebermair ², Moritz F. Sinner ³, Stefan Kääh ³, Eimo Martens ¹

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6-4 Abstract 03-10

A NOVEL LONG QT SYNDROME TYPE 1 MUTATION CAUSES SEVERE CHANNEL DYSFUNCTION BUT WITH PRESERVED ADRENERGIC RESPONSE

Vrijraj Sinhji Rathod ¹, Stephen C Harmer ¹, Grace Salisbury ¹, Maria Bitner-Glindzicz ², Pier D Lambiase ³, Andrew Tinker ¹

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6-5 Abstract 17-16

CLINICAL PREDICTORS OF UNSUCCESSFUL ANTI-TACHYCARDIA PACING IN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR PATIENTS

Joshua Harrison ¹, Kavitha Kalluri ¹, Zachary Tushak ¹, Dalia Giedrimiene ¹, Lane Duvall ¹, Jeffrey Kluger ¹

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6-6 Abstract 25-12

EFFECT OF ELECTROMAGNETIC INTERFERENCES ON IMPLANTABLE CARDIOVERTER DEFIBRILLATORS WHILE CHARGING A TESLA CAR BY A SUPERCHARGER.

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7-1 Abstract 18-32

LOW COMPLICATION RATES USING HIGH POWER (45W UP TO 50W) FOR SHORT DURATION FOR ATRIAL FIBRILLATION ABLATIONS

Roger A. Winkle ¹, Sanghamitra Mohanty ², Rob A. Patrawala ¹, R. Hardwin Mead ¹, Melissa H. Kong ¹, Gregory Engel ¹, Jonathan Salcedo ¹, Chintan G. Trivedi ², Carola Gianni ², Pierre Jais ³, Andrea Natale ², John D. Day ⁴

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7-2 Abstract 15-33

CRYO VERSUS RF USING NEXT GENERATION TECHNIQUES: SPEED AGAINST RADIATION PROTECTION

Kerstin Schmidt ¹, Patrick Hörmann ¹, Thomas Schenk ¹, Matthias Merkel ¹, Claus Schmitt ¹, Armin Luik ¹
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7-3 Abstract 18-12

CONTACT-FORCE VERSUS NON-CONTACT FORCE SENSING CATHETER COMPLICATIONS: A DISTURBANCE IN THE FORCE

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7-4 Abstract 15-29

THE FACTORS WHICH AFFECT ATRIAL FIBRILLATION RECURRENCES AFTER MULTIPLE CATHETER ABLATIONS.

Masahiro Sekigawa ¹, Mototada Lee ², Shinya Shiohira ², Atsuhiko Yagishita ², Shingo Maeda ², Yoshihide Takahashi ², Masahiko Goya ², Kenzo Hirao ²
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7-5 Abstract 15-37

HYBRID ABLATIVE THERAPY FOR PATIENTS WITH PERSISTENT OR LONG STANDING PERSISTENT ATRIAL FIBRILLATION: A FRENCH SINGLE CENTER EXPERIENCE

Franck Mandel ¹, Anne Rollin ¹, Etienne Grunenwald ¹, Pierre Mondoly ¹, Benjamin Monteil ¹, Bertrand

Marcheix ¹, Philippe Maury ¹
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7-6 Abstract 15-25

COMPARISON OF THE 25MM AND THE 20MM SPIRAL MAPPING CATHETER FOR CRYOBALLOON POSITIONING AND DETERMINATION OF THE TIME TO PV ISOLATION

Valerie Elisabeth Weitensteiner ¹, Florian Straube ¹, Uwe Dorwarth ¹, Stefan Hartl ¹, Hans-Jürgen Krieg ¹, Michael Wankerl ¹, Ellen Hoffmann ¹

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8-1 Abstract 23-20

ANALYSING MORTALITY VARIANCES BETWEEN RIGHT VENTRICULAR HIGH SEPTAL PACING AND RIGHT VENTRICULAR APICAL PACING FOLLOWING ATRIOVENTRICULAR NODE ABLATION: 10 YEARS FOLLOW-UP

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8-2 Abstract 22-10

REVERSAL OF ADVERSE STRUCTURAL AND ELECTRICAL REMODELING INDUCED BY RIGHT VENTRICULAR PACING IN CHRONIC ATRIOVENTRICULAR BLOCK UTILIZING PERMANENT HIS BUNDLE PACING: IMPLICATIONS FOR PACING INDUCED CARDIOMYOPATHY

Pugazhendhi Vijayaraman ¹, Gopi Dandamudi ², Suneet Mittal ³

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8-3 Abstract 08-15

PERMANENT PACEMAKER IMPLANTATION FOLLOWING TRICUSPID VALVE REPLACEMENT IN CARCINOID HEART DISEASE

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8-4 Abstract 23-13

10-YEAR EXPERIENCE OF SINGLE CHAMBER PERMANENT EPICARDIAL PACEMAKER PLACEMENT FOR CHILDREN WITH CONGENITAL HEART DISEASES

Maurizio Santomauro ¹, Gaetano Palma ¹, Giuseppe Comentale ¹, Raffaele Giordano ¹, Carla Riganti ¹, Vincenzo de Amicis ¹, Giulio Garofalo ¹, Gabriele Iannelli ¹

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8-5 Abstract 23-11

AUTOMATED, HIGH-PRECISION ECHOCARDIOGRAPHIC AND HAEMODYNAMIC ASSESSMENT OF THE EFFECT OF ATRIOVENTRICULAR INTERVAL DURING RIGHT VENTRICULAR PACING IN OBSTRUCTED HYPERTROPHIC CARDIOMYOPATHY

Kayla Chiew ¹, Ahran Arnold ¹, Matthew Shun-Shin ¹, Afzal Sohaib ¹, Kevin Leong ¹, James Howard ¹, Daniel Keene ¹, Leah Burden ¹, Katherine March ¹, Yousif Ahmad ¹, Graham Cole ¹, Prapa Kanagaratnam ¹, David Lefroy ¹, Darrel Francis ¹, Amanda Varnava ¹, Zachary Whinnett ¹
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8-6 Abstract 23-28

REAL WORLD EXPERIENCE: PACEMAKER IMPLANTATION FOLLOWING IMPLANTATION OF THE COREVALVE EVOLUTE PRO VALVE

James Gabriels ¹, Joseph Donnelly ¹, Jonathan Willner ¹, Stuart Beldner ¹, Apoor Patel ¹
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9-1 Abstract 15-14

RISK OF ATRIAL FIBRILLATION IN HEART FAILURE WITH PRESERVED EJECTION FRACTION: RESULTS FROM THE TREATMENT OF CARDIAC FUNCTION WITH AN ALDOSTERONE ANTAGONIST (TOPCAT) STUDY

Jolien Neefs ¹, Nicoline W.E. van den Berg ¹, Sarah W. Baalman ¹, Robin Wesselink ¹, Wouter R. Berger ¹, Eva Meulendijks ¹, Makiri Kawasaki ¹, Joris R. de Groot ¹
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9-2 Abstract 31-12

RESPONSE TO THE VALSALVA MANEUVER IN PATIENTS WITH HEART FAILURE, PULMONARY ARTERIAL HYPERTENSION, AND IN HEART TRANSPLANT RECIPIENTS

Jagdish Kandala ¹, Franz Rischard ², Jennifer Huang Tsang ¹, Mark Friedman ¹, Frank Marcus ¹
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9-3 Abstract 31-11

CAN HEART FAILURE DEVELOPMENT IN ATRIAL FIBRILLATION PATIENTS BE IMPACTED BY THE CHOICE OF INITIAL TREATMENT STRATEGY?

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9-4 Abstract 31-10

INFLUENCE OF HEART RATE VARIABILITY ON HEART FAILURE DETERIORATION IN PATIENTS WITH ARTERIAL HYPERTENSION

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9-5 Abstract 15-34

LONG-TERM PROGNOSTIC IMPACT OF ATRIAL FIBRILLATION IN PATIENTS WITH ACUTE DECOMPENSATED HEART FAILURE

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9-6 Abstract 24-17

SECONDARY MITRAL REGURGITATION IN HEART FAILURE. BENEFIT FROM CARDIAC RESYNCHRONIZATION THERAPY.

Nestor Galizio ¹, Guillermo Carnero ¹, Alejo Tronconi ¹, Mauricio Mysuta ¹, Alejandro Palazzo ¹, José Luis Gonzalez ¹, Liliana Favalaro ¹, Rene Favalaro ¹, Margarita Peradejordi ¹, Roxana Ratto ¹, Eduardo Guevara ¹, José Salmo ¹, Hugo Fraguas ¹

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10-1 Abstract 01-29

GAP JUNCTION COUPLING IS A MAJOR DETERMINANT OF THE UNDERLYING MECHANISM OF MYOCARDIAL FIBRILLATION

Balvinder Handa ¹, Caroline Roney ², David Pitcher ¹, Charles Houston ¹, Konstantinos Tzortzis ¹, Richard Jabbour ¹, Javier Carbello Garcia ¹, Catherine A Mansfield ¹, Chris Cantwell ¹, Emmanuel Dupont ¹, Rasheeda Chowdhury ¹, Steven Niederer ², Nicholas Peters ¹, Fu Siong Ng ¹

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10-2 Abstract 01-21

MACHINE LEARNING PREDICTS FIBROSIS IN EX VIVO HUMAN CARDIAC SLICES USING ELECTROGRAM FEATURES BUT NOT VOLTAGE AND FRACTIONATION

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10-3 Abstract 15-26

RELAXIN ACTS VIA WNT SIGNALING TO SUPPRESS ATRIAL FIBRILLATION

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10-4 Abstract 01-28

INTERVENTRICULAR ACTION POTENTIAL DURATION RESTITUTION DIFFERENCES CONTRIBUTE TO DIFFERENTIAL CYCLE LENGTHS OBSERVED DURING VENTRICULAR TACHYCARDIA

Balvinder Handa¹, Saheed Lawal¹, Ian J Wright¹, Catherine A Mansfield¹, Rasheeda Chowdhury¹, Richard J Jabbour¹, Nicholas Peter¹, Fu Siong Ng¹

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10-5 Abstract 01-17

THE UPSLOPE OF THE PRECORDIAL ECG T-WAVE REPRESENTS LOCAL REPOLARIZATION DIFFERENCES BETWEEN RIGHT AND LEFT VENTRICLE

Neil Srinivasan¹, Michele Orini¹, Rui Providencia¹, Ron Simon¹, Martin Lowe¹, Oiliver Segal¹, Anthony Chow¹, Fakhar Khan¹, Peter Taggart¹, Peter Taggart¹, Pier Lambiase¹

¹ *Barts Heart Centre, London, United Kingdom*

10-6 Abstract 17-18

NITROCELLULOSE CARBON NANOTUBE BIOINK IMPROVES CONDUCTION WHEN DIRECTLY INJECTED INTO INFARCTED MYOCARDIUM

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11-1 Abstract 05-15

CELL-SPECIFIC ABLATION FOR CARDIAC ARRHYTHMIAS

Jerome Kalifa¹

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11-2 Abstract 15-30

CHARACTERIZATION OF LOCALIZED DRIVERS THAT PLAY A MECHANISTIC ROLE IN PERSISTENT ATRIAL FIBRILLATION

Shohreh Honarbakhsh¹, Richard J Schilling¹, Rui Providencia¹, Emily Keating¹, Simon Sporton¹,

Martin Lowe ¹, Anthony Chow ¹, Mark J Earley ¹, Ross J Hunter ¹
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11-3 Abstract 14-11

VALIDATION OF A NOVEL MAPPING SYSTEM AND UTILITY FOR MAPPING COMPLEX ATRIAL TACHYCARDIAS

Shohreh Honarbakhsh ¹, Richard J Schilling ¹, Gurpreet Dhillon ¹, Rui Providencia ¹, Emily Keating ¹, Anthony Chow ¹, Mark J Earley ¹, Ross J Hunter ¹
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11-4 Abstract 17-25

NEGATIVE ALLOSTERIC MODULATION OF SMALL-CONDUCTANCE CALCIUM-ACTIVATED POTASSIUM CHANNELS DURING ACUTE MYOCARDIAL INFARCTION IN A PORCINE MODEL

Anniek Frederike Lubberding ¹, Stefan M. Sattler ², Shaida Panbachi ¹, Morten Grunnet ³, Jacob Tfelt-Hansen ², Thomas Jespersen ¹
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11-5 Abstract 15-38

APPLICATION OF A NOVEL SILICON RHODAMINE BASED VOLTAGE SENSITIVE DYE FOR LONG-TERM MAPPING OF COMPLEX CONDUCTION AND FIBRILLATION

David S. Pitcher ¹, Rasheda A. Chowdhury ¹, Gloria Ortiz ², Steven Boggess ², Evan W. Miller ², Prapa Kanagaratnam ¹, Fu Siong Ng ¹, Nicholas S. Peters ¹
¹ *Imperial College London, London, United Kingdom,* ² *University of California, Berkeley, California, United States*

11-6 Abstract 15-48

STRUCTURAL REMODELING AND CONDUCTION VELOCITY DYNAMICS IN THE HUMAN LEFT ATRIUM: RELATIONSHIP WITH REENTRANT MECHANISMS SUSTAINING ATRIAL TACHYCARDIA AND ATRIAL FIBRILLATION

Shohreh Honarbakhsh ¹, Richard J Schilling ¹, Michele Orini ¹, Rui Providencia ¹, Emily Keating ¹, Martin Lowe ¹, Simon Sporton ¹, Malcolm Finlay ¹, Anthony Chow ¹, Mark J Earley ¹, Ross J Hunter ¹
¹ *Barts Heart Centre, Barts Health NHS trust, London, United Kingdom*

12-1 Abstract 04-12

THE ET-GP STUDY: ABLATION OF ECTOPY-TRIGGERING GANGLIONATED-PLEXI WITHOUT PULMONARY VEIN ISOLATION AS A THERAPY FOR PAROXYSMAL ATRIAL

FIBRILLATION

Belinda Sandler¹, Markus Sikkell¹, Min Young-Kim¹, Fu Ng¹, Ian Mann¹, Hanney Gonna¹, Amy Roberts², Dejana Martic², Michael Koa-Wing¹, Norman Qureshi¹, Zachary Whinnett¹, Wyn Davies¹, Nicholas Peters¹, Nick Linton¹, Boon Lim¹, Prapa Kanagaratnam¹

¹ Imperial College London, London, United Kingdom, ² Watford General Hospital, Watford, United Kingdom

12-2 Abstract 04-15

ABLATION OF THE GANGLIONATED PLEXUS TERMINATES SUSTAINED ATRIAL FIBRILLATION

Min-young Kim¹, Belinda Sandler¹, Markus Sikkell¹, Afzal Sohaib², Louisa Malcolm-Lawes², Kevin Leong², Vishal Luther², Michael Koa-Wing², Zachary Whinnett², Fu Siong Ng², Norman Qureshi², Nicholas S Peters¹, Wyn Davies², Elaine Lim², Michael Fudge², Michelle Todd², Ian Wright², Nick W F Linton¹, Phang Boon Lim¹, Prapa Kanagaratnam¹

¹ Imperial College London, London, United Kingdom, ² Imperial College NHS Trust, London, United Kingdom

12-3 Abstract 04-13

NEURO-SPECIFIC STIMULATION OF THE LEFT ATRIAL GANGLIONATED-PLEXI SITES REVEALS TRIGGERING PATTERNS SIMILAR TO HOLTER RECORDINGS

Belinda Sandler¹, Markus Sikkell¹, Chris Cantwell¹, Rheeda Ali¹, Hanney Gonna¹, Min Young-Kim¹, Ian Mann¹, Fu Ng¹, Michael Koa-Wing¹, Norman Qureshi¹, Zachary Whinnett¹, Wyn Davies¹, Nicholas Peters¹, Nick Linton¹, Boon Lim¹, Prapa Kanagaratnam¹

¹ Imperial College London, London, United Kingdom

12-4 Abstract 18-26

ATRIAL FIBRILLATION ABLATION USING VERY SHORT DURATION 50W ABLATIONS AND CONTACT FORCE SENSING CATHETERS

Roger Winkle¹, Ryan Moscovitz², R. Hardwin Mead¹, Gregory Engel¹, Melissa Kong¹, William Fleming¹, Jonathan Salcedo¹, Rob Patrawala¹, John Tranter², Isaac Shai²

¹ Silicon Valley Cardiology, Palo Alto, United States, ² Abbott Medical, St. Paul, United States

12-5 Abstract 15-58

PERIOPERATIVE OUTCOMES AND SAFETY OF ATRIAL FIBRILLATION CATHETER ABLATION IN CANCER PATIENTS: A SINGLE CENTRE EXPERIENCE.

Michela Giustozzi¹, Hussam Ali², Giancarlo Agnelli¹, Riccardo Cappato²

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12-6 Abstract 18-35

CRYOABLATION FOR PERSISTENT AND LONG STANDING PERSISTENT ATRIAL FIBRILLATION: A SINGLE CENTRE EXPERIENCE

Vinit Sawhney¹, Dhanuka Perera¹, Salman Chatha¹, Luisa Baca¹, Matthew Cadd¹, Rangeena Assadi¹, Pier Lambiase¹, Syed Ahsan¹, Anthony Chow¹, Martin Lowe¹, Mehul Dhinoja¹, Malcolm Finlay¹, Simon Sporton¹, Mark Earley¹, Richard Schilling¹, Ross Hunter¹

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13-1 Abstract 15-59

CURRENT PRACTICE OF ANTITHROMBOTIC TREATMENT IN PATIENTS WITH ATRIAL FIBRILLATION: DATA FROM THE GERMAN ATRIAL FIBRILLATION NETWORK (AFNET) REGISTRY 2 ON BEHALF OF AFNET GERMANY

Andrea Gerth¹, Michael Nabauer¹, Paulus Kirchhof², Gerhard Steinbeck³, Günter Breithardt⁴
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13-2 Abstract 15-35

MANAGEMENT OF LEFT ATRIAL APPENDAGE THROMBUS DESPITE OF DIRECT ORAL ANTICOAGULANTS.

Osama Alshoubaki¹, Jean-Benoît le Polain de Waroux¹, Sebastien Marchandise¹, Christophe Scavee¹

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13-3 Abstract 15-64

THE MUNICH TRIPLE COHORT - INFLUENCE OF A GUIDELINE IMPLEMENTATION ON MEDICAL TREATMENT AND CLINICAL OUTCOME OF PATIENTS WITH AF UNDERGOING PCI

Lisa Riesinger¹, Katarina Opitz¹, Claudia Sabrina Summo¹, Michael Mehr¹, Johannes Siebermair², Jörg Hausleiter¹, Julinda Mehilli¹, Steffen Massberg¹, Reza Wakili²

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13-4 Abstract 15-57

THE IMPACT OF DC CARDIOVERSION, PERMANENT PACEMAKER AND AV NODE ABLATION AND AF ABLATION ON EXERCISE CAPACITY IN PATIENTS OVER 65 WITH PERSISTENT AF AT 6 MONTHS: A RANDOMISED CONTROLLED TRIAL

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13-5 Abstract 15-66

RADIOFREQUENCY FOR PULMONARY VEIN ISOLATION COMBINED WITH VEIN OF MARSHALL ETHANOL INFUSION FOR PAROXYSMAL ATRIAL FIBRILLATION COMPARISON WITH CRYOABLATION.

Kaoru Okishige ¹, Naohiko Kawaguchi ¹, Shinsuke Iwai ¹, Hideshi Aoyagi ¹, Tomofumi Nakamura ¹, Yasuteru Yamauchi ¹, Takehiko Keida ², Tetsuo Sasano ³, Kenzo Hirao ³, Miguel Valderrábano ⁴

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13-6 Abstract 08-16

INTERATRIAL BLOCK PREDICTS ATRIAL FIBRILLATION IN PATIENTS WITH CORONARY AND CAROTID ARTERY DISEASE

Bryce Alexander ¹, Adrian Baranchuk ¹, Henri van Rooy ¹, Sohaib Haseeb ¹, Omar Ibrahim ¹, Adrian Kuchtaruk ¹, Wilma Hopman ¹, Göksel Çinier ², Marie-France Hetu ¹, Terri Li ¹, Amer Johri ¹

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14-1 Abstract 15-65

ATRIAL FIBROSIS IN NON-ATRIAL FIBRILLATION INDIVIDUALS AND PREDICTION OF ATRIAL FIBRILLATION BY USE OF LATE GADOLINIUM ENHANCEMENT (LGE) MRI

Johannes Siebermair ¹, Promporn Suksaranjit ², Christopher J. McGann McGann ³, Kathryn A. Peterson ⁴, Mobin Kheirkhan ², Alex A. Baher ², Kavitha Damal ², Reza Wakili ¹, Nassir F. Marrouche ², Brent D. Wilson ²

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14-2 Abstract 07-10

INFLAMMATORY CONDITION OF MYOCARDIUM IN PATIENTS WITH IDIOPATHIC ATRIAL FIBRILLATION

Roman Batalov ¹, Mikhail Khlynin ¹, Vyacheslav Ryabov ¹, Yana Anfinogenova ¹, Julia Rogovskaya ¹, Sergey Popov ¹

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14-3 Abstract 07-15

ATRIAL ARRHYTHMIAS AND THROMBOEMBOLIC COMPLICATIONS IN ADULTS AFTER UNIVENTRICULAR OR BIVENTRICULAR REPAIR OF SEVERE CONGENITAL HEART DISEASE

Darryl Wan ¹, Clara Tsui ¹, Christopher Cheung ¹, Jasmine Grewal ¹, Amanda Barlow ¹, Marla Kiess ¹, Derek Human ¹, Andrew D. Krahn ¹, Santabhanu Chakrabarti ¹

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14-4 Abstract 01-25

THE IMPACT OF A CENTRAL ARTERIO-VEINUS ILIAC FISTULA ON BLOOD PRESSURE AND AF BURDEN IN PATIENTS WITH RESISTANT HYPERTENSION AND PAROXYSMAL AF

William Eysenck ¹, Jet vanZalen ¹, Guy Lloyd ², Andrew Marshall ¹, Rick Veasey ¹, Stephen Furniss ¹, Neil Sulke ¹

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14-5 Abstract 01-26

SCREENING FOR SLEEP-DISORDERED BREATHING IN PATIENTS OVER 65 YEARS WITH PERSISTENT AF AND THE IMPACT OF AF INTERVENTION

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14-6 Abstract 07-22

CENTRAL RETINAL ARTERY OCCLUSION AS STROKE EQUIVALENT: A PREDICTOR FOR ATRIAL FIBRILLATION?

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15-1 Abstract 23-10

EXTRACTION OF HIS BUNDLE PACING LEAD: SAFETY OF EXPLANTATION AND FEASIBILITY OF REIMPLANTATION

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15-2 Abstract 23-19

UNRECOGNIZED VENOUS INJURIES AFTER CARDIAC IMPLANTABLE ELECTRONIC DEVICE TRANSVENOUS LEAD EXTRACTION

Khaldoun Tarakji ¹, Walid Saliba ¹, Danny Markavawi ¹, Rene Rodriguez ¹, Yoaav Krauthammer ¹, Michael Brunner ¹, Ayman Hussein ¹, Bryan Baranowski ¹, Daniel Cantillon ¹, Mohamed Kanj ¹, Mark Niebauer ¹, Jack Rickard ¹, Thomas Callahan ¹, Mingyuan Shao ¹, David Martin ¹, Oussama Wazni ¹, Bruce Wilkoff ¹, Carmela Tan ¹

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15-3 Abstract 23-21

TRANSVENOUS LEAD EXTRACTION ON UNINTERRUPTED ANTICOAGULATION: A SAFE APPROACH?

Vinit Sawhney ¹, Sarah Whittaker-Axon ¹, Luisa Baca ¹, Vivienne Ezzat ¹, Pier Lambiase ¹, Anthony Chow ¹, Martin Lowe ¹, Simon Sporton ¹, Ross Hunter ¹, Mark Earley ¹, Mehul Dhinoja ¹

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15-4 Abstract 23-25

PRE-EMPTIVE PATENT FORAMEN OVALE CLOSURE IN A PATIENT UNDERGOING LEAD EXTRACTION DUE TO SEPTIC SHOCK AND ENDOCARDITIS

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

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15-5 Abstract 23-23

PREDICTORS OF EXTRACTION SHEATH ASSISTANCE FOR CHRONICALLY INDWELLING ENDOVASCULAR LEADS

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15-6 Abstract 23-14

VENOGRAPHY BEFORE TRANSVENOUS LEAD EXTRACTION: FRIEND OR FOE?

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