**ABSTRACTS ACCEPTED FOR ORAL PRESENTATION ECAS 2023**

**ABSTRACT SESSION 1: MECHANISMS OF CARDIAC ARRHYTHMIAS**

***Sunday, MARCH 26, 2023 10:30 am – 12:00 pm***

***Room: COURCELLES***

**1-1 Abstract 28-11
ELECTROGRAPHIC IMAGING NON-INVASIVELY UNMASKS PATCHY CONDUCTION AND REPOLARISATION SLOWING IN HYPERTROPHIC CARDIOMYOPATHY DESPITE INABILITY TO IMAGE THE SEPTUM**
Ji-Jian Chow 1, Kevin Leong 1, Michael Koa-Wing 2, David Lefroy 2, Phang-Boon Lim 2, Nick Linton 2, Fu Siong Ng 1, Norman Qureshi 2, Zachary Whinnett 2, Nicholas S Peters 1, Prapa Kanagaratnam 1, Amanda Varnava,
*1 Imperial College London, London, United Kingdom, 2 Imperial College Healthcare Trust, London, United Kingdom*

**1-2 Abstract 08-10/23
HIGH-GRADE ATRIOVENTRICULAR BLOCK IN THE ACUTE PHASE OF PERSISTENT ST-ELEVATION MYOCARDIAL INFARCTION: PREDICTIVE FACTORS, MANAGEMENT, AND IN-HOSPITAL COURSE**
Marouane Mahjoub1, Mejdi Ben Messaoud 1, Mehdi Boussada 1, Nidhal Bouchahda 1, Majed Hassine 1, Fethi Betbout 1, Habib Gamra 1
1 *Cardiology A department , Monastir, Tunisia*

**1-3 Abstract 01-15
ACCURACY OF CARDIAC NAVIGATION TOOLS FOR LOCATING SPECIFIC STRUCTURES IN VENTRICULAR OUTFLOW TRACTS. EXPERIENCE OF A CENTER**
Kelly Garcia 1, Jorge Luis Paez 1, Manuel Patete Ayala 1
*1 Clinica Santa Sofia, San Carlos, Chile*

**1-4 Abstract 12-10
FIRST POSTPACING INTERVAL AFTER TACHYCARDIA ENTRAINMENT WITH CORRECTION FOR ATRIOVENTRICULAR NODE DELAY: A SIMPLE MANEUVER FOR DIFFERENTIAL DIAGNOSIS OF ATRIOVENTRICULAR NODAL REENTRANT TACHYCARDIAS VERSUS ORTHODROMIC RECIPROCATING TACHYCARDIAS**
Marouane Mahjoub 1, Sana Ouali 2, Manel Ben halima 2, Mehdi Boussada 1, Nidhal Bouchahda 1, Mejdi Ben Messaoud 1, Majed Hassine 1, Fethi Betbout 1, Habib Gamra 1
*1 Cardiology department A : Fattouma Bourguiba University Hospital, Monastir, , Monastir, Tunisie, 2 2- Cardiology department University Hospital La Rabta Tunis, Tunis, Tunisia*

**1-5 Abstract 03-10
TITIN LOSS-OF-FUNCTION VARIANTS AND LONE ATRIAL FIBRILLATION: NOT A-LONE ANYMORE?**
Irina Rudaka 1, Dmitrijs Rots 1, Jekaterina Isakova 1, Linda Gailite 1, Oskars Kalejs 1
*1 Riga Stradins University , Riga, Latvia*

**1-6 Abstract 01-16
PATHOLOGY OF CONDUCTION TISSUE IN CARDIAC AMYLOID: CORRELATION WITH ARRHYTHMIC MANIFESTATIONS**
Cristina Chimenti 1, Maria Alfarano 1, Romina Verardo 1, NIcola Galea 1, Marco Francone 1, Fabio Miraldi 1, Andrea Frustaci 1
*1 La Sapienza University, Rome, Italy*

**ABSTRACT SESSION 2: AF ABLATION**

***Sunday, MARCH 26, 2023 10:30 am – 12:00 pm***

***Room:* *DAMES***

**2-1 Abstract 18-11
ELECTRICAL ISOLATION VERSUS FOCAL ABLATION OF THE CORONARY SINUS IN PATIENTS WITH PERSISTENT ATRIAL FIBRILLATION**
Domenico Giovanni Della Rocca 1, Luigi Di Biase 2, Chintan Trivedi 1, Mohanty Sanghamitra 1, Bryan MacDonnald 1, Carola Gianni 1, Nicola Tarantino 2, Jorge Romero 2, Angel Quintero Mayedo 1, Mohamed Bassiouny 1, Amin Al-Ahmad 1, Joseph Gallinghouse 1, David Burkhardt 1, Rodney Horton 1, Andrea Natale 1
*1 Texas Cardiac Arrhythmia Institute, Austin, United States, 2 Montefiore Medical Center, Albert Einstein College of Medicine, New York, United States*

**2-2 Abstract 15-15/23
A RANDOMISED SHAM CONTROLLED STUDY OF PULMONARY VEIN ISOLATION IN SYMPTOMATIC ATRIAL FIBRILLATION (THE SHAM-PVI STUDY) : STUDY PROTOCOL AND DESIGN**
Rajdip Dulai1, Stephen Furniss 1, Neil Sulke 2, Nicholas Freemantle 3, Pier Lambiase 3, David Farwell 4, Neil Srinivasan 4, Stuart Tan 4, Nikhil Patel 1, Rick Veasey 1
1 *East Sussex Hospitals NHS Trust, Eastbourne, United Kingdom, 2 CVS Healthcare, Eastbourne, United Kingdom, 3 University College London, London, United Kingdom, 4 The Essex Cardiothoracic Centre, Basildon, United Kingdom*

**2-3 Abstract 15-12**
**SINGLE-PROCEDURE SUCCESS RATE OF RADIOFREQUENCY CATHETER ABLATION OF PERSISTENT ATRIAL FIBRILLATION: RESULTS FROM A PROSPECTIVE, MULTICENTRE, OBSERVATIONAL REGISTRY**Domenico Giovanni Della Rocca 1, Luigi Di Biase 2, Sanghamitra Mohanty 1, Chintan Trivedi 1, Nicola Tarantino 2, Jorge Romero 2, Dhanunjaya Lakkireddy 3, Carola Gianni 1, Mohamed Bassiouny 1, Amin Al-Ahmad 1, J. David Burkhardt 1, G. Joseph Gallinghouse 1, Rodney Horton 1, Andrea Natale 1
1. Texas Cardiac Arrhythmia Institute, Austin, United States, 2. Montefiore Medical Center, Albert Einstein College of Medicine, New York, United States, 3. Cardiovascular Research Institute, Kansas University Hospital, Kansas City, United States.

**2-4 Abstract 15-11/23**
**RIGHT ATRIAL SUBSTRATE ABLATION FOR PERSISTENT ATRIAL FIBRILLATION IS ASSOCIATED WITH HIGHER ATRIAL TACHYCARDIA RECURRENCE: PROARRHYTHMIC APPROACH OR DIFFERENT SUBSTRATE?**
Rita Gagyi 1, Sing-Chien Yap 1, Sip Wijchers 1, Rohit Bhagwandien 1, Tamas Szili-Torok 1
1 *Erasmus Medical Centre: Erasmus MC, Rotterdam, Netherlands.*

**2-5 Abstract 15-12/23**
**TRACKING AND ABLATING THE MUSCLE SLEEVE/FASCICLE FOR PULMONARY VEIN ISOLATION**
**Mamta Barmeda** 1, Grace Dorsey 2, Mobassar Mahmood 2, Rohit Jain 3, Zhenguo Liu 2, Sandeep Gautam 2, John Miller 4, Rahul Jain 2
1 *Indiana University Health , Indianapolis , United States, 2 MU: University of Missouri, Columbia , United States, 3 Hershey Medical Center , Hershey , United States, 4 Indiana University School of Medicine, Indianapolis , United States.*

**2-6 Abstract 15-18
READMISSION AFTER CATHETER ABLATION FOR ATRIAL FIBRILLATION IN PATIENTS WITH HEART FAILURE IN THE UNITED STATES**
Fabio Lima 1, Kevin Kennedy 2, Antony Chu 1
*1 Brown University - Rhode Island Hospital, Providence, United States, 2 Mid America Heart and Vascular Institute, St. Luke Hospital, Kansas City, United States*

**ABSTRACT SESSION 3: MANAGEMENT OF VENTRICULAR ARRHYTHMIAS**

***Sunday, MARCH 26, 2023 10:30 am – 12:00 pm***

***Room: DEBARCADERE***

**3-1 Abstract 10-10
LOSS OF CONSCIOUSNESS AND SUDDEN DEATH IN PROFESSIONAL DRIVER HEALTH-RELATED ACCIDENT IN EAST JAPAN**
Haruhiko Abe 1, Ritsuko Kohno 1, Yasunobu Yamagishi 1
*1 University of Occupational and Environmental Health, Japan, Kitakyushu, Japan*

**3-2 Abstract 17-14/23**

**IMAGE INTEGRATION IN VENTRICULAR TACHYCARDIA (VT) ABLATION USING SENSE2 PROTOCOL MAPPING**
Fatima Bangash1, Jason Collinson 1, Jason Dangu 1, Mark Westwood 2, David Farwell 1, Kontantinos Vlachos 3, Ross Hunter 2, Neil Srinivasan 1
1 *Essex Cardiothoracic Centre, Basildon University Hospital, London, United Kingdom, 2 Barts Heart Centre, London, United Kingdom, 3 Onassis Cardiac Surgery Center, Athens, Greece*

**3-3 Abstract 18-15/23**
**IMPACT OF MECHANICAL CIRCULATORY SUPPORT ON PERIPROCEDURAL OUTCOME IN 3D-MAPPING-GUIDED VT ABLATION PROCEDURES**
Isabel Rudolph1, Manuel Rattka 1, Johannes Siebermair 1, Simon Kochhaeuser 1, Tienush Rassaf 1, Fadi Al-Rashid 1, Reza Wakili 1
1 *Uniklinikum , Essen , Germany*

**3-4 Abstract 19-10/23**
**UTILITY OF CARDIAC MAGNETIC RESONANCE IN ASSESSING ARRHYTHMIC RISK IN PATIENTS WITH NON ISCHEMIC CARDIOMYOPATHY UNDERGOING BIVENTRICULAR PACING**
Mohamed Sayed1, Mohamed El maghawry 2, Mohamed Hassan 3, Hossam Kandil 3, Ahmed El-Damaty3
1 *Aswan Heart Center, El Minia, Egypt, 2 National Heart Institute, Egypt, Egypt, 3 cardiology department Cairo university, Cairo, Egypt*

**3-5 Abstract 24-11/23**

**NON-INVASIVE 3D ELECTRICAL ACTIVATION MAPPING TO PREDICT CRT RESPONSE: SITE OF LATEST LV ACTIVATION RELATIVE TO PACING SITE**
Leonor Parreira1, Alexey Tsyganoz 2, Elena Artyukhina 3, Kevin Vernooy 4, Claudio Tondo 5, Pedro Adragao 1, Ciro Ascione 5, Pedro Carmo 1, Salome Carvalho 1, Matthias Egger 6, Antonio Ferreira 1, Mohammed Ghossein 4, Vitaly Kalinin 6, Maria Malakhova 2, Mathias Meine 7, Silvia Nunes 1, Dmitry Podolyak 2, Amiran Revishvili 3, Albina Shapieva 2, Vera Stepanova 8, Antonius Van Stipdonk 4, Irina Taymasova 3, Philippe Wouters 7, Stepan Zubarev 9, Francisco Leyva 10, Magnus Holm 6, Angelo Auricchio 11, Niraj Varma

**3-6 Abstract 19-11
MANAGEMENT OF RECALLED LEADS WITHOUT EVIDENCE OF MALFUNCTION AT THE TIME OF GENERATOR CHANGE: A MULTI-CENTER STUDY WITH LONG-TERM FOLLOW-UP**
Rakesh Gopinathannair 1, Anub John 2, Piotr Horbal 3, Sarah Longserre 4, Deepak Bhakta 5, Rajesh Kabra 4, Ahmed Hussein 3, Dhanunjaya Lakkireddy 1, Philip L Mar 3
*1 Kansas City Heart Rhythm Institute, Overland Park, United States, 2 University of Louisville, Louisville, United States, 3 St. Louis University, St. Louis, United States, 4 University of Tennesse, Memphis, United States, 5 Indiana University , Indianapolis, United State*

**ABSTRACT SESSION 4:Pharmacological and non-paharmacological therapy therapy**

***Sunday, MARCH 26, 2023 10:30 am – 12:00 pm***

***Room: EPINETTES***

**4-1 Abstract 31-11
PREDICTORS OF ICD SHOCKS FOLLOWING LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION**
Rakesh Gopinathannair 1, Henri Roukoz 2, Adarsh Bhan 3, Mustafa Ahmed 4, Ashwin Ravichandran 5, Geetha Bhat 3, Jennifer Cowger 6, Rahul Dhawan 7, Rajakrishnan Vijayakrishnan 8, Mark Slaughter 9, Jaimin Trivedi 9
*1 Kansas City Heart Rhythm Institute, Overland Park, United States, 2 University of Minnesota, Minneapolis, United States, 3 Advocate Christ Medical Center, Oak Lawn, United States, 4 University of Florida, Gainesville, United States, 5 St. Vincent's Hospital, Indianapolis, United States, 6 Henry Ford Hospital, Detroit, United States, 7 University of Nebraska, Omaha, United States, 8 St. Joseph's Hospital, Phoenix, United States, 9 University of Louisville, Louisville, United States*

**4-2 Abstract 14-11/23**

**SAFETY OF CLASS IC ANTIARRHYTHMIC DRUGS IN CORONARY ARTERY DISEASE PATIENTS: A SYSTEMATIC REVIEW AND META-ANALYSIS**
Dario Turturiello1, Riccardo Bessi 1, Pierpaolo Lupo 1, Carmine De Lucia 1, Edoardo Maria Paganini 1, Hussam Ali 1, Riccardo Cappato 1
1 *Irccs Multimedica , Sesto San Giovanni Milano, Italy*

**4-3 Abstract 07-12/23**

**PROTECTIVE EFFECT OF LOW-DOSE VERSUS HIGH-DOSE NOVEL ORAL ANTICOAGULANTS FOR THE PREVENTION OF DEATH IN PATIENTS WITH CORONARY ARTERY DISEASE**

Riccardo Cappato 1, Mauro Chiarito 2, Michela Giustozzi 3, Letizia Riva 4, Gianluca Bonitta 1, Hussam Ali 1, Pierpaolo Lupo 1, Corrado Lodigiani 2, Giulio Stefanini 2

1 Irccs Multimedica , Sesto San Giovanni Milano, Italy, 2 Humanitas Research Center, Rozzano, Italy, 3 Perugia, Perugia, Italy, 4 Bologna, Bologna, Italy

**4-4 Abstract 18-10/23**

**VERY HIGH-POWER SHORT-DURATION ABLATION FOR PULMONARY VEIN ISOLATION UTILIZING A VERY-CLOSE PROTOCOL : THE FAST AND FURIOUS PVI STUDY**
Christian Heeger1, Benham Subin 1, Marcel Feher 1, Karl-Heinz Kuck 1, Charlotte Eitel 1, Julia Vogler 1, Bettina Kirstein 1, HuongLan Phan 1, Roland Tilz 1
1 *UKSH Lubeck, Lubeck, Germany*

**4-5 Abstract 18-14/52**

**A RANDOMISED COMPARISON OF RETROGRADE LEFT-SIDED VERSUS ANTEROGRADE RIGHT-SIDED ABLATION OF THE ATRIOVENTRICULAR JUNCTION**
**Rajdip Dulai** 1, Neil Sulke 2, Stephen Furniss 1, Anura Malaweera 1, Pier Lambiase 3, Nikhil Patel 1, Rick Veasey 1
1 *East Sussex Hospitals NHS Trust, Eastbourne, United Kingdom, 2 CVS Healthcare, Eastbourne, United Kingdom, 3 University College London, London, United Kingdom*

**4-6 Abstract 23-15**

**CLINICAL OUTCOMES FOLLOWING RISK STRATIFICATION IN LEAD EXTRACTION PROCEDURES**
Miguel A. Leal, Anne Barnett, Amanda P. Breuer, Ryan Tim Hess, Douglas E. Kopp. University of Wisconsin, USA

**ABSTRACT SESSION 5: ARRHYTHMIAS WITH UNDERLYING HEART DISEASE**

***10:30 am – 12:00 pm***

***Room: REMBRANDT***

**5-1 Abstract 07-10/23**
**DIASTOLIC DYSFUNCTION IN HEART FAILURE WITH PRESERVED EJECTION FRACTION AND ATRIAL FIBRILLATION: ROLE OF HYPERURICEMIA**
Mikhail Dzeshka1, Viktor Snezhitskiy 1, Tatsiana Dzeshka 1, Janush Morgis 2
1 *Grodno State Medical University, Grodno, Belarus, 2 Grodno University Hospital, Grodno, Belarus*

**5-2 Abstract 18-13/23**
**VERY LONG-TERM OUTCOME OF ATRIAL FIBRILLATION ABLATION**
Roger Winkle1, R. Hardwin Mead 1, Gregory Engel 1, Jonathan Salcedo 1, Chad Brodt 1, Melisa H. Kong 1, Shadi Kalantarian 1, Rob A. Patrawala 1
1 *Sutter Health, Palo Alto Medical Foundation and Silicon Valley Cardiology, Palo Alto, United States*

**5-3 Abstract 07-16
COMBINING NON-INVASIVE ELECTROPHYSIOLOGIC MEASUREMENTS MAY HELP DELINEATE THE ARRHYTHMIC SUBSTRATE OF HYPERTROPHIC CARDIOMYOPATHY**
Ji-Jian Chow 1, Kevin Leong 1, Michael Koa-Wing 2, David Lefroy 2, Phang-Boon Lim 2, Nick Linton 2, Fu Siong Ng 2, Norman Qureshi 2, Zachary Whinnett 2, Nicholas S Peters 1, Amanda Varnava 2, Prapa Kanagaratnam 1
*1 Imperial College London, London, United Kingdom, 2 Imperial College Healthcare Trust, London, United Kingdom*

**5-4 Abstract 12-11
PREVALENCE OF CORONARY ARTERY DISEASE IN PATIENTS ATTENDING EMERGENCY DEPARTMENT WITH SUPRAVENTRICULAR ARRHYTHMIA AND CHEST PAIN**

**5-5 Abstract 07-17
ACTIVATION PATTERNS ARE DISRUPTED IN CONCEALED BRUGADA SYNDROME PATIENTS COMPARED TO CONTROLS WHEN EXPOSED TO EXERCISE: A POTENTIAL DIAGNOSTIC TOOL?**
Amanda Varnava, 3Ji-Jian Chow 1, Kevin Leong 1, Julian Ormerod 2, Michael Koa-Wing 3, David Lefroy 3, Phang-Boon Lim 3, Nick Linton 3, Fu Siong Ng 1, Norman Qureshi 3, Zachary Whinnett 3, Nicholas S Peters 1, Prapa Kanagaratnam 1,
*1 Imperial College London, London, United Kingdom, 2 Oxford University Healthcare Trust, Oxford, United Kingdom, 3 Imperial College Healthcare Trust, London, United Kingdom*

**5-6 Abstract 07-18**

**DETERMINANTS OF SYMPTOM AND ARRHYTHMIA MANIFESTATION BEFORE AND AFTER EARLY SURGICAL OR PERCUTANEOUS REPAIR IN PATIENTS WITH SECUNDUM ATRIAL SEPTAL DEFECT**

Riccardo Cappato, Tommaso Infusino, Gianfranco Butera, Carlo de Vincentiis, Sara Foresti, Maddalena Gaeta, Ottavia Eleonora Ferraro, Pier Paolo Lupo,, Mario Carminati, Simona Villani./

*Humanitas Clinical and Research Center, Rozzano – Milan, Italy*