

**Arrhythmias and Clinical EP - Poster Contributions****Session #1100****Pacing: Post-Valve Intervention, Surgery, Leadless and Novel****Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.****Poster Hall, Hall A/B****CME Hours: /CNE Hours:**

001 - New Pacemaker Implantation After Surgical Aortic Valve Replacement in the PARTNER Trials: Rates, Risk Factors, and Clinical Outcomes

Jose M. Dizon, Tamim Nazif, Angelo Biviano, Hasan Garan, Susheel K. Kodali, Craig R. Smith, Ashley Lowry, Eugene Blackstone, Vinod H. Thourani, Lars Svensson, Michael J. Mack, Martin B. Leon, Columbia University Medical Center, New York, NY, USA, Cleveland Clinic, Cleveland, OH, USA

002 - Complete Heart Block After Transcatheter Aortic Valve Implantation Versus Surgical Aortic Valve Replacement  
Naoki Misumida, Gbolahan Ogunbayo, Claude Elayi, Gill Heart Institute, University of Kentucky, Lexington, KY, USA

003 - Patient Selection For De-Novo Leadless Single-Chamber Ventricular Pacing: Results From the Micra Transcatheter Pacing Study

Jonathan P. Piccini, Kurt Stromberg, Kevin Jackson, Robert Kowal, Gabor Duray, Mikhael El-Chami, George Crossley, John Hummel, Calambur Narasimhan, Omar Razali, Philippe Ritter, Paul Roberts, Kyoko Soejima, Dwight Reynolds, Larry Chinitz, Duke University Medical Center, Durham, NC, USA

004 - Incidence and Risk of Postoperative Pacemaker Implantation Following Open Heart Valve Surgery: National Inpatient Sample (NIS) Results

Fahad Alqahtani, Niv Ad, Vinay Badhwar, Sari Holmes, Mohamad Alkhoul, WVU Heart and Vascular Institute, Morgantown, WV, USA

005 - Self Retaining Coronary Sinus Pacemaker With Embedded Generator

A-Hamid I. Hakki, H. Andrew Hazlitt, Bernardo Stein, Juan Garcia-Morell, Clearwater Cardiovascular Consultants, Safety Harbor, FL, USA

006 - Follow Up of Patients With Ventricular High Rate Events Detected on Remote Monitoring of Pacemakers

Ameesh Isath, Vaibhav Vaidya, Vidhushei Yogeswaran, Abhishek Deshmukh, Samuel Asirvatham, David Hayes, Suraj Kapa, Mayo Clinic, Rochester, MN, USA

**Arrhythmias and Clinical EP - Poster Contributions****Session #1101****Anticoagulation For the Appropriate Patient in Atrial Fibrillation****Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.****Poster Hall, Hall A/B****CME Hours: /CNE Hours:**

007 - Does Renal Function Influence the Benefit of Dual Antithrombotic Therapy With Dabigatran in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention? Results From RE-DUAL PCI

Stefan Hohnloser, Philippe Steg, Jonas Oldgren, Georg Nickenig, Robert Gabor Kiss, Zeki Ongem, Jose Navarro Estrada, Ton Oude Ophuis, Gregory Lip, Matias Nordaby, Eva Kleine, Jurrien Ten Berg, Deepak Bhatt, Christopher Cannon, Johann Wolfgang Goethe University, Frankfurt, Germany

008 - Safety and Efficacy of Low Dose Direct Oral Anticoagulants in Patients Undergoing Catheter Ablation

Takahiro Iseda, Michio Nagashima, Kenji Ando, Kokura Memorial Hospital, Kitakyushu, Japan

009 - Differences in the Risk of Stroke, Bleeding, and Mortality Between Female and Male Patients With Atrial Fibrillation During Warfarin Therapy

Tero Penttilä, Mika Lehto, Jussi Niiranen, Juha Mehtälä, Houssem Khanfir, Riitta Lassila, Pekka Raatikainen, Heart Center, Tampere University Hospital, Tampere, Finland, Heart and Lung Center, Helsinki University Hospital, Helsinki, Finland

010 - Attainment of Guideline Recommended Antithrombotic Therapy in Patients With Nonvalvular Atrial Fibrillation

Katie Buehler Teller, Michael Lloyd, Anastasia Armbruster, Missouri Baptist Medical Center, St. Louis, MO, USA, St. Louis College of Pharmacy, St. Louis, MO, USA

011 - Impact of a Multifaceted Educational Intervention on Oral Anticoagulation (OAC) Use in Atrial Fibrillation (AF) Patients According to Aspirin Use at Baseline: Insights From IMPACT-AF Trial

Jie Jiang, Ying Xian, Hussein Al-Khalidi, Maria Bahit, Renato Lopes, Dragos Vinereanu, Denis Xavier, He Pengkang, He Wensheng, Andrea Ciobanu, Deepak Kamanth, Kathleen Fox, Meena Rao, Sean Pokorney, Otavio Berwanger, Carlos Tajer, Pedro G. M. Barros e Silva, Mayme Roettig, Yong Huo, Christopher Granger, Duke Clinical Research Institute, Durham, NC, USA, Peking University First Hospital, Beijing, People's Republic of China

012 - Effectiveness and Safety of Direct Oral Anticoagulants Compared to Warfarin: The Real World Experience

Inmaculada Hernandez, Yuting Zhang, Samir Saba, University of Pittsburgh, Pittsburgh, PA, USA

014 - Procedural Safety of WATCHMAN Implantation: The US NESTed Post Approval Study

Paul Varosy, Frederick A. Masoudi, Mark Reisman, Robert Shipley, Kenneth Stein, Kenneth A. Ellenbogen, Boston Scientific, Maple Grove, MN, USA

015 - Left Atrial Appendage "Smoke" and Stroke Risk Following Cardioversion

Simbo M. Chiadika, Kassra Poosti, Robin Jacob, Syed H. Naqvi, Farzan Husain, Ijeoma A. Ekeruo, University of Texas Health Science Center at Houston, McGovern Medical School, Houston, TX, USA

017 - National Incidence and Predictors of Gastrointestinal Bleeding in Patients With Atrial Fibrillation Admitted With Acute Ischemic Stroke

Ali Ayoub, Ahmed Al-Ogaili, Jose Sleiman, Setri Fugar, John H. Stroger Jr. Hospital of Cook County, Chicago, IL, USA



018 - Association of Platelet Aggregation With Atrial Fibrillation: The Framingham Offspring Study  
Mayank Sardana, Shih-Jen Hwang, Marja K. Puurunen, Geoffrey Tofler, Steven Lubitz, Emelia Benjamin, David McManus, Andrew D. Johnson, University of Massachusetts Medical School, Worcester, MA, USA, Framingham Heart Study, Framingham, MA, USA

**Arrhythmias and Clinical EP - Poster Contributions**  
**Session #1102**  
**Newer Insights Into Atrial Fibrillation**  
**Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

019 - The Duration of Persistent Atrial Fibrillation Prior to the Hybrid (VATS Maze + Catheter) Ablation Procedure Predicts Recurrence Rate at One Year  
Chase Phillips, Daniel Kaiser, L. Bing Liem, Peter Chang Sing, Gansevoort Dunnington, Carrie Pierce, Shelby Burk, Adventist Health St. Helena, St. Helena, CA, USA

020 - Effect of Maintenance of Sinus Rhythm After Catheter Ablation on Body Weight in Patients With Atrial Fibrillation  
Bipin Sunkara, Yumeng Li, Konstantinos Siontis, Miki Yokokawa, Rakesh Latchamsetty, Hamid Ghanbari, Thomas C. Crawford, Krit Jongnarangsin, Frank Pelosi, Aman Chugh, Fred Morady, Hakan Oral, University of Michigan, Ann Arbor, MI, USA

021 - Management of Patients With Non-Valvular Atrial Fibrillation Following a First Clinically Relevant Bleed: A Real-World Study Based on UK Clinical Practice Research Datalink - Hospital Episode Statistics Data  
Sreeram Ramagopalan, Mihail Samnaliev, Laura McDonald, Nathan Hill, Gillian Stynes, Cinira Lefevre, Cormac Sammon, Bristol-Myers Squibb, Uxbridge, United Kingdom, PHMR Ltd., London, United Kingdom

022 - The Effect of Obesity on the Prevalence of Atrial Fibrillation: A 2014 Nationwide Analysis  
Mariam Khandaker, Zuhair Khandker, Bing Yue, Xin Wei, Basera Sabharwal, Natasha Garg, Chayakrit Krittanawong, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's and Mount Sinai West, New York, USA, University of Illinois at Urbana-Champaign, Illinois, IL, USA

023 - HCN4 and GATA5 Previously Undescribed Variants in a Large Kindred With Familial Atrial Fibrillation  
Alfonso Fraile Sanz, Raquel Casado Alvarez, Ricardo Caballero, Eva Delpon, Jesus Perea Egido, Blanca Alcon Duran, Belen Gil-Fournier, Soraya Ramiro, Israel Thuissard, Juan Tamargo, Marisa Lefort, Joaquin Alonso Martin, Francisco Cosio, Hospital Universitario de Getafe, Getafe, Spain, Department of Pharmacology, Universidad Complutense de Madrid, Madrid, Spain

024 - Chronic Obstructive Pulmonary Disease Is Associated With Worse Mortality, Increased Length of Stay and Increased Hospital Costs in Patients With Atrial Fibrillation: A Nationwide Study  
Shawn Lee, Farid Gholitabar, May Bakir, Syed Ahsan, Seyed Hamed Hosseini Dehkordi, Carlos Gongora, Alejandro Lemor,

Davendra Mehta, Mount Sinai St. Luke's and Mount Sinai West Hospitals, New York, USA

025 - New Biomarkers Associated With Cardiovascular Death in Patients With Atrial Fibrillation Using Multimarker Screening: Insights From the Aristotle Trial  
Tymon Pol, Ziad Hijazi, Johan Lindbäck, Jonas Oldgren, John Alexander, Christopher Granger, Renato Lopes, Agneta Siegbahn, Lars Wallentin, Uppsala Clinical Research Center (UCR), Uppsala, Sweden, Uppsala University, Uppsala, Sweden

026 - Study on the Mechanism of Atrial Fibrillation Mediated by Pulmonary Vein and Ganglion Plexus Cross-Talk  
Juan Sun, Ailiman Mahemuti, Department of Heart Failure, The First Affiliated Hospital of Xinjiang Medical University, Urumqi, People's Republic of China

027 - New-Onset Atrial Fibrillation Is Associated With Increased Mortality in Critically Ill Patients: A Systematic Review and Meta-Analysis  
Napat Kanjanahattakij, Pattara Rattanawong, Parasuram Krishnamoorthy, Benjamin Horn, Pakawat Chongsathidkiet, Veronica Garvia, Putthapiban Prapaipan, Natee Sirinvaravong, Vincent Figueredo, Einstein Medical Center, Philadelphia, PA, USA

028 - Evaluation of Rivaroxaban Administration For Atrial Fibrillation in a Cardiology Practice  
Kathleen A. Packard, Madeline Leiter, Yongyue Qi, Steven Krueger, Bryan Health Medical Center, Lincoln, NE, USA, Creighton University, Omaha, NE, USA

029 - A Dynamic Equation to Predict Stroke Rate in Atrial Fibrillation  
A-Hamid I. Hakki, Bernardo Stein, Kenneth Sabatino, Clearwater Cardiovascular Consultants, Safety Harbor, FL, USA

030 - Effects of Minimizing Ventricular Pacing on the Incidence of Atrial Fibrillation: A Systematic Review and Meta-Analysis of Randomized Controlled Trials  
Ishan Lakhani, Mengqi Gong, Cheuk Wai Wong, Adrian Baranchuk, Konstantinos Letsas, Tong Liu, Gary Tse, Chinese University of Hong Kong, Hong Kong, Hong Kong, Tianjin Institute of Cardiology, Tianjin, People's Republic of China

031 - Catheter Ablation Versus Other Strategies For Treatment of Atrial Fibrillation in Patients With Heart Failure With Reduced Ejection Fraction: A Meta-Analysis on Change in Ejection Fraction  
Nirav Patel, Rajkumar Doshi, Rajat Kalra, Navkaranbir Bajaj, Garima Arora, Pankaj Arora, University of Alabama at Birmingham, Birmingham, AL, USA

032 - Arrhythmia in a Non-Cardiac Intensive Care Unit as an Independent Predictor of Mortality  
Kamala Ramya Kallur, Sherin Mathews, Carlos Gongora, Naga Kanaparthi, Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA



### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1103

#### Catheter Ablation of Atrial Fibrillation

Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

033 - Direct Pulmonary Vein Ablation Without Stenosis: Chronic Efficacy of a Novel Electroporation Technique

Chance M. Witt, Alan Sugrue, Deepak Padmanabhan, Sarah Gruba, James Rohl, Christopher DeSimone, Ammar Killu, Niyada Naksuk, Suraj Kapa, Samuel Asirvatham, Mayo Clinic, Rochester, MN, USA

034 - Temporal Relationships Between Esophageal Injury Type and Progression in Patients Undergoing Atrial Fibrillation Ablation

Bharath Yarlagadda, Mohit Turagam, Tawseef Dar, Swathi Paleti, Valay Parikh, Vaishnavi Veerapaneni, Madhu Reddy, Jeremy Ruskin, Douglas Packer, Andrea Russo, Moussa Mansour, Luigi Di Biase, Andrea Natale, Dhanunjaya R. Lakkireddy, Cardiovascular Research Institute, University of Kansas Medical Center, Kansas City, KS, USA, Mount Sinai Hospital, Icahn School of Medicine, New York, NY, USA

036 - Aortic Fibrosis Is Significantly Correlated to Left Atrial Fibrosis

Bosten Loveless, Erik Biegging, Gagandeep Kaur, Alan Morris, Mobin Kheirkhahan, Nassir Marrouche, University of Utah, Salt Lake City, UT, USA

037 - Catheter Ablation Versus Rate Control in Atrial Fibrillation and Heart Failure With Reduced Ejection Fraction

Abel Casso Dominguez, Yasmin Herrera, Farid Gholitabar, Shawn Lee, Alejandro Lemor, Emad Aziz, Bing Yue, Mount Sinai St. Luke's, New York, NY, USA

038 - Alternative Metrics by Systematic Review Inclusion Status of Studies of Catheter Ablation For Atrial Fibrillation: Findings From the SMASH-AF Meta-Analysis Study Cohort

Fahd Yunus, George Leef, Andrew Cluckey, Mariam Askari, Mintu Turakhia, Alexander Perino, Stanford Cardiovascular Institute and Stanford University School of Medicine, Stanford, CA, USA, Veterans Affairs Palo Alto Health Care System, Palo Alto, CA, USA

039 - Obesity Paradox in Atrial Fibrillation: Obesity Is Associated With Lower Mortality in Patients With Atrial Fibrillation Who Undergo Ablation

Seyed Hamed Hosseini Dehkordi, Farid Gholitabar, Shawn Lee, Syed Ahsan, May Bakir, Alejandro Lemor, Davendra Mehta, Icahn School of Medicine at Mount Sinai St. Luke's-West Hospital Center, New York, NY, USA

040 - The Impacts of Conventional Echocardiographic Parameters For the Prediction of the Recurrence of Chronic Atrial fibrillation After Pulmonary Vein Isolation

Akihiko Nogami, Kazutaka Aonuma, Tomoo Harada, Yoshihiro Akashi, Emi Nakano, St. Marianna University School of Medicine, Yokohama City Seibu Hospital, Yokohama, Japan

041 - Association Between Left Atrial Scar Burden and Persistent Versus Paroxysmal Atrial Fibrillation: A Retrospective Cohort Study

Oluwaseun Adeola, Dinesh Voruganti, Ghanshyam Palamaner Subash Shantha, Hakeem Ayinde, Chad Ward, Amgad Mentias, Steven Bailin, Michael Giudici, University of Iowa Hospital and Clinics, Iowa City, IA, USA

042 - Reduction of Radiation Exposure, Fluoroscopy Time and Contrast Media Use in Cryoballoon Ablations by Implementation of Ice and Other Radioprotective Measures: Flash in the Pan or Ongoing Effect in Daily Clinical Routine?

Vanessa Rubesch-Kütemeyer, Stephan Molatta, Britta Körber, Dieter Horstkotte, Klaus Gutleben, Georg Nölker, Clinic for Cardiology, Herz- und Diabeteszentrum NRW, Ruhr-Universität Bochum, Bad Oeynhausen, Germany

043 - Feasibility of Left Phrenic Nerve Pacing During Cryoballoon Atrial Fibrillation Ablation

Tawseef Dar, Bharath Yarlagadda, Vaishnavi Veerapaneni, Donita Atkins, Seth Sheldon, Cardiovascular Research Institute, University of Kansas Medical Center, Kansas City, KS, USA

044 - Impact of Baseline Anxiety on Arrhythmia-Free Survival and Quality of Life in Atrial Fibrillation Patients Undergoing Catheter Ablation

Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Vivek Bhupathi, Domenico Giovanni Della Rocca, John Burkhardt, Rodney Horton, Gerald Gallinhouse, Javier Sanchez, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

045 - Where There Is Smoke There Is Fire: 'Smoke' on Transesophageal Echocardiography Predicts Non-Pulmonary Vein Triggers in Patients With Atrial Fibrillation

Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Domenico Giovanni Della Rocca, Vivek Bhupathi, John Burkhardt, Javier Sanchez, Patrick Hranitzky, Gerald Gallinhouse, Amin Al-Ahmad, Rodney Horton, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

046 - Significance of Triggers From Left Atrial Appendage and Coronary Sinus in the Long-Term Ablation Outcome in Paroxysmal Atrial Fibrillation Patients With Hypertrophic Obstructive Cardiomyopathy

Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Domenico Giovanni Della Rocca, John Burkhardt, Javier Sanchez, Patrick Hranitzky, G. Gallinhouse, Amin Al-Ahmad, Rodney Horton, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1133M

#### New Insights Into Arrhythmias

Saturday, March 10, 2018, 10:00 a.m. - 12:00 p.m.

Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Daniel Horatio Cooper

ACC Poster Moderator: Bruce D. Lindsay

10:00 a.m.



Stellate Ganglia Stimulation Overlaying Vagal Stimulation Significantly Increases Heart Rate and Blood Pressure  
Ammar M. Killu, Mei Yang, Niyada Naksuk, Jason Tri, Scott Suddendorf, Samuel Asirvatham, Yong-Mei Cha, Mayo Clinic, Rochester, MN, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Ventricular Arrhythmias in Patients Managed With Ibrutinib For Cancer Immunotherapy  
Avirup Guha, Daniel Addison, Mohamed Derbala, Tracy E. Wiczer, John C. Byrd, Farrukh T. Awan, The Ohio State University, Columbus, OH, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Provider- and Hospital-Level Variation in Oral Anticoagulant Use For Stroke Prevention in Atrial Fibrillation  
Sean Pokorney, Elaine Hylek, Christopher Granger, Kevin Anstrom, Eva M. Kline-Rogers, Mark Alberts, Peter Berger, John House, Ujwala Vijapurkar, Roberta James, Bimal Shah, Gerald Naccarelli, Duke Clinical Research Institute, Durham, NC, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Non-Sustained Ventricular Tachycardia in Exercise Testing: Not So Benign  
Deepak Padmanabhan, Nasir Hussain, Thomas Allison, Bernard Gersh, Mayo Clinic, Rochester, MN, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Epidemiology of Ventricular Arrhythmias and Sudden Cardiac Death in the General Population Following Incident Myocardial Infarction in the Current Revascularization Era  
Mustapha Amin, Deepak Padmanabhan, Denesh Kella, Arslan Naeem, Justin Lee, Andrew Tseng, Siva Mulpuru, Mayo Clinic, Rochester, MN, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Trends in Resource Utilization and Outcomes in Hypertrophic Obstructive Cardiomyopathy Patients With Arrhythmias  
Sejal Savani, Byomesh Tripathi, Shilpkumar Arora, Chirag Savani, Sopan Lahewala, Mihir Dave, Varun Kumar, Harshil Shah, Nileshekumar Patel, Apurva Badheka, Abhishek Deshmukh, University of Miami Miller School of Medicine, Miami, FL, USA, Mayo Clinic, Rochester, MN, USA

11:25 a.m.

Question and Answer

11:30 a.m.

Chronic Optogenetic Inhibition of Cardiac Sympathetic Nerve Activity Reduces Cardiac Remodeling and Ventricular Arrhythmia Inducibility in a Post-Infarction Canine Model

Lilei Yu, Liping Zhou, Hong Jiang, Department of Cardiology, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

11:40 a.m.

Question and Answer

11:45 a.m.

Photothermal Inhibition of Left Stellate Ganglion Neural Activity With Gold Nanorods to Prevent Ventricular Arrhythmia  
Lilei Yu, Yanqiu Lai, Hong Jiang, Department of Cardiology, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

11:55 a.m.

Question and Answer

### Arrhythmias and Clinical EP - Scientific Session #607

**Arrhythmia Controversies That All Cardiologists Need to Master: Joint Symposium of the Heart Rhythm Society and the American College of Cardiology**

**Saturday, March 10, 2018, 12:15 p.m. - 1:45 p.m.**

**Room 314 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Thomas F. Deering

Co-Chair: Andrea M. Russo

Panelist: Hugh Calkins

Panelist: Michael Robert Gold

Panelist: Eric N. Prystowsky

Panelist: Vivek Yerrapu Reddy

Panelist: George F. Van Hare, III

12:15 p.m.

CRT Non-Responders: When to "Tweak" and When to Proceed With a LVAD?

Michael Robert Gold

Charleston, SC

12:25 p.m.

Question and Answer

12:33 p.m.

AF Ablation as First Line Therapy - In Whom?

Hugh Calkins

Baltimore, MD

12:43 p.m.

Question and Answer

12:51 p.m.

Pacing in Congenital AVBlock - When, Where, How?

George F. Van Hare, III

Saint Louis, MO

1:01 p.m.

Question and Answer

1:09 p.m.



The Left Atrial Appendage Closure vs. Oral Anticoagulation  
Conundrum  
Vivek Yerrapu Reddy  
New York, NY

1:19 p.m.  
Question and Answer

1:27 p.m.  
The Patient With a Nonischemic Cardiomyopathy: Yea or Nea to the ICD?  
Eric N. Prystowsky  
Indianapolis, IN

1:37 p.m.  
Panel Discussion

### Arrhythmias and Clinical EP - Poster Contributions Session #1142

**Extraction, Infection and Lead Complications**  
**Saturday, March 10, 2018, 1:30 p.m. - 4:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

001 - Worsening Tricuspid Regurgitation Associated With Permanent Pacemaker and Implantable Cardioverter Defibrillator Implantation: A Systematic Review and Meta-Analysis  
Saed Alnaimat, Muhammad Khan, Muhammad Shariq Usman, Tariq Jamal Siddiqi, Sajjad Raza, Bilal Munir, Ankur Kalra, Rush University, Chicago, IL, USA, John H. Stroger Jr. Hospital of Cook County, Chicago, IL, USA

002 - Decreased Cardiac Implantable Electronic Device Infections With Antibiotic Envelope: A Meta-Analysis  
Scott Koerber, Mohit Turagam, Jeffrey Winterfield, Michael Gold, Medical University of South Carolina, Charleston, SC, USA

003 - Risk of Lead Dislodgement With Catheter Ablation in Patients With Recently Implanted Cardiac Implantable Electronic Device: A Five-Year Experience  
Mohammad-Ali Jazayeri, Kevin Cokingtin, Brendan Cokingtin, Venkat Lakshmi Kishan Vuddanda, Courtney Jeffery, Valay Parikh, Donita Atkins, Sudharani Bommana, Loren Berenbom, Rhaguveer Dendi, Martin Emert, Dhanunjaya Lakkireddy, Rhea Pimentel, Madhu Reddy, Seth Sheldon, University of Kansas Hospital & Medical Center, Kansas City, KS, USA

004 - Prevalence, Mechanisms and Risk Factors of Lead Macrodislodgement After Implantation of Cardiac Implantable Electronic Devices  
Andrew Tseng, Justin Shipman, Justin Lee, Lanyu Mi, Yong-Mei Cha, Komandoor Srivathsan, Win-Kuang Shen, Mustapha Amin, Michael Osborn, Samuel Asirvatham, Paul Friedman, Siva Mulpuru, Mayo Clinic, Scottsdale, AZ, USA

005 - Subclavian Vein Approach For Placement of Compliant Occlusion Balloon in Lead Extraction  
Sergii Rakhuba, Ryan Donovan, Jude Clancy, Yale University School of Medicine, New Haven, CT, USA, Norwalk Hospital, Norwalk, CT, USA

006 - Hard Decisions For Hard Situations: How Should We Proceed in Cardiac Electric Device Infections by Staphylococcus Aureus

Ana Redondo Palacios, Tomasa Centella, Jose Lopez-Menendez, Laura Varela, Javier Miguelena, Miren Martin Garcia, Javier Cobo, Edmundo Fajardo, Rafael Muñoz, Jorge Rodríguez-Roda, Hospital Ramón y Cajal, Madrid, Spain

007 - Efficacy and Mortality Using Rotating Cutting Sheaths Versus Laser Sheaths For Transvenous Lead Extraction: A Meta-Analysis  
Sun Yong Lee, Xiaofan Guo, Ricardo Cardona, Celso Diaz, Cara Pellegrini, Ramin Beygui, Gregory M. Marcus, Byron K. Lee, University of California, San Francisco, San Francisco, CA, USA

008 - An Insight Into the Etiology of New Intracardiac Masses (Ghost) After Infected Lead Extraction: A Single-Center Study Performed by Intracardiac Echocardiography  
Carlo Caiati, Paolo Pollice, Mario Erminio Lepera, Giovanni Luzzi, Stefano Favale, Unit of Cardiology, Department of Emergency and Organ Transplantation, University of Bari, Bari, Italy

009 - Lead Characteristics Are Not Associated With Incidental Thrombus Formation on Transvenous Leads  
Prerana Bhatia, Ishan Mehta, Gordon Ho, Timothy Maus, Swapnil Khoche, Travis Pollema, Gert Pretorius, Ulrika Birgersdotter-Green, University of California San Diego, La Jolla, CA, USA

010 - Predictors of Transvenous Lead Extraction Requiring a Primary Hybrid Inferior-Superior Approach  
Tsuyoshi Isawa, Taku Honda, Sendai Kousei Hospital, Sendai City, Japan

011 - Hybrid Minimally Invasive Approach For Transvenous Lead Extraction in High-Risk Patients  
Michio Nagashima, Junji Morita, Shota Tohoku, Kenji Ando, Kokura Memorial Hospital, Kitakyushu, Japan

012 - Safety and Effectiveness of Transvenous Lead Extraction in Octogenarians  
Michio Nagashima, Junji Morita, Kenji Ando, Kokura Memorial Hospital, Kitakyushu, Japan

### Arrhythmias and Clinical EP - Poster Contributions Session #1143 **Atrial Fibrillation Management in Unique Clinical Settings** **Saturday, March 10, 2018, 1:30 p.m. - 4:30 p.m.** **Poster Hall, Hall A/B** **CME Hours: /CNE Hours:**

014 - Predictors of Effectiveness of Landiolol For Urgent Management of Rapid Heart Rate in Patients With Atrial Fibrillation/Flutter  
Yuichi Kawase, Reo Hata, Takeshi Tada, Kazushige Kadota, Kurashiki Central Hospital, Kurashiki, Japan

015 - Impact of Parameter Analysis and Optimization on Telemetry Alarms  
Rahul R. Bhoite, Farshid Fargahi, Thomas Breakey, Kristen Roig, Eskandar Yazaji, MedStar Union Memorial Hospital, Baltimore, MD, USA

016 - A Significant Association Between Lifestyle Habits and Atrial Fibrillation  
Yoshihiro Tanaka, Hayato Tada, Kenshi Hayashi, Masakazu Yamagishi, Japan Community Health Care Organization Kanazawa





Hospital, Kanazawa, Japan, Kanazawa University Hospital, Kanazawa, Japan

017 - Conduction Abnormalities Following Orthotopic Heart Transplantation

Kenneth Dulnuan, Maya Guglin, University of Kentucky, Lexington, KY, USA

018 - Electrical Angles Estimated by Vcg Differ Significantly Taking Into Account the Electrode Positions and the Body Build

Roger Abaecherli, Noel Boyle, Peter van Dam, Cardiac Arrhythmia Center UCLA, Los Angeles, CA, USA, Lucerne University of Applied Sciences, Baar, Switzerland

019 - Cardiac Device Infection: Does the Device Need to Be Extracted?

Sandhya Nagarakanti, Eliahu Bishburg, Anita Bapat, Newark Beth Israel Medical Center, Newark, NJ, USA

020 - Risk Factors of Stroke Do Not Coincide With Those of the Left Atrial Thrombus/Spontaneous Echo Contrast in Patients With Atrial Fibrillation

Satoshi Takahashi, Takanao Mine, Kenki Ashida, Hideyuki Kishima, Masaharu Ishihara, Tohru Masuyama, Hyogo College of Medicine, Nishinomiya-Shi, Hyogo, Japan

021 - Meta Analysis of Risk Factors For Post-Operative Atrial Fibrillation

Kenosuke Yamashita, Ravi Ranjan, Craig Selzman, Hu Nan, Derek J. Dossdall, University of Utah, Salt Lake City, UT, USA

022 - Atrial Ischemia as a Mechanism of Atrial Fibrillation

Sean Pokorney, Samuel Berchuck, Karen Chiswell, Linda Shaw, Laine Thomas, William Jones, Manesh Patel, Jonathan Piccini, Duke Clinical Research Institute, Durham, NC, USA

023 - Interatrial Block as a Predictor of the Severity of Left Atrial Fibrosis in Persistent Atrial Fibrillation: A Pilot Study

Christian A. Perzanowski, Sharad Malavade, Malinee Neelamegam, Tampa General Hospital, Tampa, FL, USA, Brandon Regional Hospital, Brandon, FL, USA

024 - Cryoballoon Isolation of the Pulmonary Veins: Do We Need to Verify Isolation?

Pouria Alipour, Yaariv Khaykin, Southlake Regional Health Centre, Newmarket, Canada

025 - Clinical Features and Outcomes of Atrial Fibrillation in Patients Hospitalized With Acute Pancreatitis

Jasmin Martinez Castellanos, Sandeep Dayanand, Abhinav Goyal, Kshitijee Chatterjee, Fnu Hafeez Hassan, Carissa Jeannette, Janani Rangaswami, Vincent Figueredo, Albert Einstein Medical Center, Philadelphia, PA, USA

026 - Quality of Anticoagulation Management in Warfarin Treated Patients With Non-Valvular Atrial Fibrillation: A Descriptive Real-World Study in a Private Setting in Brazil

Pedro De Barros e Silva, Henry Szejder, Rafael Vasconcellos, Georgette Charles, Hugo-Tannus Mendonca-Filho, Jack Mardekian, Rodrigo Nascimento, Stephen Dukacz, Manuela Di Fusco, Hospital TotalCor, São Paulo, Brazil, Optum Life Sciences, Eden Prairie, MN, USA

027 - Association Between C-Reactive Protein and the Risk of Atrial Fibrillation in the General Population: Ansan and Ansong Cohort of the Korean Genome and Epidemiology Study  
Jinkyu Park, Yonggu Lee, Hwan-Cheol Park, Jeong-Hun Shin, Young-Hyo Lim, Jinho Shin, Hanyang University Medical Center, Seoul, South Korea, Hanyang University Guri Hospital, Guri, South Korea

028 - Androgen Deprivation Therapy For Prostate Cancer and Incident Atrial Fibrillation

Zuber Sherefa Ali, Tadele Mengesha, Suhail Allaqaband, Arshad Jahangir, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

030 - Sex Differences in Catheter Ablation and Outcomes of Atrial Fibrillation in Younger Adults in the United States, 2005-2014

Bing Yue, Xin Wei, Chayakrit Krittawong, Ashish Correa, Mariam Khandaker, Shuyang Fang, Mike Gorenchtein, Davendra Mehta, Mount Sinai St. Luke's Hospital, New York, NY, USA, Mount Sinai West Hospital, New York, NY, USA

031 - Validation of Objective Software-Based Lesion Demarcation System During Pulmonary Vein Antrum Isolation

Pouria Alipour, Yaariv Khaykin, Zahra Azizi, Meysam Pirbaglou, Stacey Morris, Alona Avoulov, Sereena Nath, Nikhil Nath, Mehras Motamed, Jamie Forman, Patrick Mallany, Paul Ritvo, Alfredo Pantano, Atul Verma, Southlake Regional Health Centre, Newmarket, Canada

032 - The Early Evaluation of Heart Rate Variation After Catheter Ablation Predicts the Recurrence on Chronic Phase in Patients With Atrial Fibrillation

Kenki Ashida, Takanao Mine, Hideyuki Kishima, Satoshi Takahashi, Masaharu Ishihara, Tohru Masuyama, Department of Internal Medicine, Cardiovascular Division, Hyogo College of Medicine, Nishinomiya, Japan

033 - Impact of Cancer on Major Bleeding and Stroke in Patients Using Novel Oral Anticoagulants

Takao Sato, Koichi Fuse, Satoshi Fujita, Yoshio Ikeda, Hitoshi Kitazawa, Minoru Takahashi, Masaaki Okabe, Yoshifusa Aizawa, Tachikawa General Hospital, Nagaoka, Japan

034 - Associations of Sleep Duration, Insomnia and Frequent Nocturnal Awakening With Atrial fibrillation: A Meta-Analysis

Ronpichai Chokesuwattanasul, Charat Thongprayoon, Soontharee Congrete, Tanyanan Tanawuttiwat, Somchai Prechawat, Voravut Rungpradubvong, Wisit Cheungpasitporn, King Chulalongkorn Memorial Hospital, Bangkok, Thailand

035 - Clinical and Echocardiographic Parameters in Patients With Atrial Fibrillation and Left Atrial Appendage Thrombus

David H. Hsi, Ashley Zinda, Nicholas Rossi, Steven Sprankle, Allen Mogtader, Renee Bullock-Palmer, Denise Zingrone, Leilei Chung, Xiujie Han, Stamford Hospital, Stamford, CT, USA

036 - Development and Validation of a Simple Clinical Risk Prediction Model For Postoperative Atrial Fibrillation After Cardiac Surgery

Lucrecia Burgos, Josefina B. Parodi, Juan Espinoza, Victoria Galizia Birtó, Juan P. Costabel, Mariano Benzadon, Daniel Navia,



Leonardo Seoane, Instituto Cardiovascular de Buenos Aires,  
Buenos Aires, Argentina

#### Arrhythmias and Clinical EP - Poster Contributions Session #1144

##### Management of Supraventricular Tachycardia

Saturday, March 10, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

037 - Radio Frequency Ablation in Children Is Safe and Efficient:  
Data From the Swedish National Catheter Ablation Registry  
Fredrik Holmqvist, Per Insulander, Runa Sigurjonsdottir, Carina  
Blomström Lundqvist, Milos Kesek, Dritan Poci, Michael Ringborn,  
Romeo Samo-Ayoun, Anders Englund, Csaba Herczku, Anders  
Jönsson, Skåne University Hospital, Lund, Sweden, Lund University,  
Lund, Sweden

039 - Atypical Fast-Slow Atrioventricular Nodal Reentrant  
Tachycardia Utilizing a Slow Pathway Connected to the Right Atrial  
Free Wall Along the Tricuspid Annulus

Yoshiaki Kaneko, Tadashi Nakajima, Akihiko Nogami, Yasuya  
Inden, Tetsuya Asakawa, Itsuro Morishima, Akira Mizukami,  
Tadanobu Irie, Takashi Iizuka, Shuntaro Tamura, Chihiro Ota,  
Yasunori Kanzaki, Kazuya Nakagawa, Makoto Suzuki, Masahiko  
Kurabayashi, Gunma University Hospital, Maebashi, Japan

040 - Outcomes of Junctional Ectopic Tachycardia Ablation in  
Adult Population: A Multicenter Experience

Tawseef Dar, Bharath Yarlagadda, Mohit Turagam, Vaishnavi  
Veerapaneni, Valay Parikh, Madhu Reddy, Donita Atkins,  
Sudharani Bommana, Luigi Di Biase, Vijay Swarup, Rakesh  
Gopinathannair, Andrea Natale, Seth Sheldon, Dhanunjaya R.  
Lakkireddy, Cardiovascular Research Institute, University of  
Kansas Medical Center, Kansas City, KS, USA

041 - Outcomes of Catheter Ablation For Supraventricular  
Tachycardia in Adult Patients With Congenital Heart Disease  
Lohit Garg, Sahil Agrawal, Manyoo Agarwal, Brijesh Patel, Mahek  
Shah, Aakash Garg, Sudip Nanda, Talha Nazir, Raman Dusat,  
Lehigh Valley Health Network, Allentown, PA, USA

042 - Risk of Stroke After Cavo-Tricuspid Isthmus Ablation in  
Patients With Lone Typical Atrial Flutter  
Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Domenico  
Giovanni Della Rocca, John Burkhardt, Javier Sanchez, Patrick  
Hranitzky, Gerald Gallinghouse, Amin Al-Ahmad, Rodney Horton,  
Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute,  
Austin, TX, USA

043 - The Effect of Ivabradine Administration on the Night Drop of  
Heart Rate in Patients With Inappropriate Sinus Tachycardia  
Pawel Ptaszynski, Krzysztof Kaczmarek, Iwona Cygankiewicz,  
Thomas Klengenheben, Jan Ruta, Irminda Urbanek, Michal Kalowski,  
Jerzy K. Wranicz, Medical University, Lodz, Poland

044 - Junctional Ectopic Rhythm After Atrioventricular Nodal  
Reentrant Tachycardia Ablation: An Under-Recognized  
Complication  
Nathan Scott Kusterer, Gustavo Morales, Muhammad Butt, Yousef  
Darrat, Kevin Parrott, Gbolahan Ogunbayo, Katrina Bidwell, Ripa

Patel, Brian Delisle, Melissa Czarapata, Samy Elayi, University of  
Kentucky, Lexington, KY, USA

045 - Contact-Force Versus Non-Contact Force Sensing Catheter  
Complications: Are Data Discrepancies Forcing Our Hand?

Brian Daniel McCauley, Essem Sharma, Antony Chu, Alpert  
Medical School, Brown University, Providence, RI, USA, Lifespan,  
Providence, RI, USA

046 - Pulmonary Delivery of the Class IC Antiarrhythmic Agent  
Flecainide Exerts a Predominant Effect on Atrial Compared to  
Ventricular Depolarization Duration Revealed by Intracardiac  
Recordings

Victor Zandona De Antonio, Anderson Silva, Fernando G. Stocco,  
Narsi Rangachari, Luiz Belardinelli, Richard Verrier, Beth Israel  
Deaconess Medical Center, Boston, MA, USA, Faculdade de  
Medicina da Universidade de Sao Paulo, Sao Paulo, Brazil

#### Arrhythmias and Clinical EP - Hands-on Skills Learning Session #1511

##### Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform

Saturday, March 10, 2018, 2:00 p.m. - 3:00 p.m.

Personalized Skills and Simulation Center: Lounge &  
Learn, Hall C

CME Hours: /CNE Hours:

2:00 p.m.

Faculty: Clinical Judgement Challenge Station

Prashant Bhawe

Chicago, IL

#### Arrhythmias and Clinical EP - International Session #512

##### Sudden Death and Arrhythmia Management: How do Guidelines Impact on Health Care: International Perspectives from the ACC Great Britain and Ireland Chapter, Lebanese Society of Cardiology, and American College of Cardiology

Saturday, March 10, 2018, 2:00 p.m. - 3:30 p.m.

Room 304 E

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Francis E. Marchlinski

Co-Chair: Sarah C. Clarke

Co-Chair: Ghassan Kiwan

Co-Chair: Albert McNeill

2:00 p.m.

Introduction to Session

Francis E. Marchlinski

Bala Cynwyd, PA

2:05 p.m.

Meeting the Challenge of Atrial Fibrillation Ablation in Developing  
Countries

Bernard Abi-Saleh

Beirut, Lebanon

2:16 p.m.

How Does Audit Affect Complex CIED Implant Practice?

Nick Linker

Middlesbrough, United Kingdom



2:27 p.m.

Global Principles of Arrhythmia Management  
John D. Fisher  
Bronx, NY

2:38 p.m.

ICD in Lebanon  
Johny Abboud  
Beirut, Lebanon

2:49 p.m.

Guidelines for Complex CIEDs: Whose Should we Follow?  
Conor McCann  
Belfast, United Kingdom

3:00 p.m.

Discussion

### Arrhythmias and Clinical EP - Scientific Session #622

#### Stroke Prevention in Atrial Fibrillation: Choosing the Best Anticoagulant in Special Populations

**Saturday, March 10, 2018, 2:00 p.m. - 3:30 p.m.**  
**Room 314 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Pamela Mason  
Co-Chair: Matthew A. Wanat  
Panelist: Kristen B. Campbell  
Panelist: Michael E. Field  
Panelist: Gerhard Hindricks

2:00 p.m.

Case Presentation: Anticoagulation for AFib in Renal Disease -  
Case Vignette and Discussion

Aditya Saini  
Richmond, VA

2:05 p.m.

Panel Discussion With Question and Answer

2:17 p.m.

Case Presentation: Anticoagulation for Afib in Geriatric Patients  
Eliany Mejia  
New York, NY

2:22 p.m.

Panel Discussion With Question and Answer

2:34 p.m.

Case Presentation: Anticoagulation for AFib in Patients on DAPT  
Amy Cheney  
Seattle, WA

2:39 p.m.

Question and Answer With Panel Discussion

2:51 p.m.

State of the Art Talk: Difficult Anticoagulation Management  
Greg C. Flaker  
Columbia, MO

3:11 p.m.

Panel Discussion with Question and Answer

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1173M

#### Anticoagulants: What's New and Noteworthy

**Saturday, March 10, 2018, 3:45 p.m. - 4:30 p.m.**

**Arrhythmias and Clinical EP Moderated Poster Theater,  
Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Michael D. Ezekowitz

ACC Poster Moderator: Parikshit S. Sharma

3:45 p.m.

Direct Oral Anticoagulants Versus Warfarin For Atrial Fibrillation in  
Frail and Non-Frail Patients

Masatomo Ozaki, Hiroshi Tasaka, Reo Hata, Mituru Yoshino,  
Noriyuki Ohashi, Kazushige Kadota, Kurashiki Central Hospital,  
Kurashiki, Japan, Kurashiki, Japan

3:55 p.m.

Question and Answer

4:00 p.m.

Walking Disabilities as Predictors of Non-Indication of Oral  
Anticoagulants For Atrial Fibrillation in Argentina: Insights From  
Conarec XIX Registry

Ignacio Manuel Cigalini, Ezequiel J. Zaidel, Juan Moukarzel, Walter  
Da Rosa, Emmanuel Scatularo, Maico I. Bernal, Valentín Roel,  
Rodolfo Leiva, Carolina Cicero, Dario Ben Igonikof, Jorge Thierer,  
Consejo Argentino de Residentes de Cardiología, Buenos Aires,  
Argentina

4:10 p.m.

Question and Answer

4:15 p.m.

Optimization of Vitamin K Antagonists Therapy in Patients With  
Atrial Fibrillation and Chronic Kidney Disease

Zukhra Salpagarova, Denis Andreev, Aleksandra Bykova, Maria  
Chashkina, Raisa Kosharnaya, Abram Syrkin, Sechenov University,  
Moscow, Russian Federation

4:25 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Scientific Session #637

#### Debate: Anticoagulation for Device Detected Atrial High Rates Episodes

**Saturday, March 10, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 314 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Roopinder K. Sandhu

4:45 p.m.

Audience ARS Question: ARS Poll: A 67 Year Old Woman With HTN  
and 9 Minutes of AHRE Consistent With PAF Noted of Pacemaker -  
Should OAC Be Recommended

Roopinder K. Sandhu  
Edmonton, Canada





4:50 p.m.

Debate: Device Detected AHRE Longer Than 6 Minutes Should Be Anti-Coagulated?

Nazem Akoum  
Seattle, WA

5:05 p.m.

Device Detected AHRE Longer Than 6 Minutes Should Not be Anti-Coagulated

Suneet Mittal  
New York, NY

5:20 p.m.

Rebuttal: Pro

5:23 p.m.

Rebuttal: Con

5:26 p.m.

ARS Post-Debate Poll: A 67 Year Old Woman With HTN and 9 Minutes of AHRE Consistent With PAF Noted of Pacemaker - Should OAC Be Recommended?

Roopinder K. Sandhu  
Edmonton, Canada

5:31 p.m.

State of the Art Perspective

Bulent Gorenok  
Eskisehir, Turkey

5:51 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Oral Contributions

#### Session #900

#### Highlighted Original Research: Arrhythmias and Clinical EP and the Year in Review

Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.

Room 314 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jeanne E. Poole

Co-Chair: Jagmeet P. Singh

8:00 a.m.

Year in Review Speaker

David J. Wilber  
Maywood, IL

8:12 a.m.

Non-Invasive Detection of Hyperkalemia With a Smartphone Electrocardiogram and Artificial Intelligence

Conner D. Galloway, Alexander V. Valys, Frank L. Petterson, Vivek P. Gundotra, Daniel L. Treiman, David E. Albert, John J. Dillon, Zach I. Attia, Paul A. Friedman, AliveCor Inc., Mountain View, CA, USA, Mayo Clinic, Rochester, MN, USA

8:22 a.m.

Discussion

8:25 a.m.

Incidence of Cancer Treatment-Induced Arrhythmia Associated With Novel Targeted Chemotherapeutic Agents

Andrew Nickel, Mikhael El-Chami, Nabil F. Saba, Angel Leon, Faisal Merchant, Emory University School of Medicine, Atlanta, GA, USA

8:35 a.m.

Discussion

8:38 a.m.

A Comparison of Atrial Fibrillation Monitoring Strategies in Patients at High Risk For Atrial Fibrillation and Stroke: Results From the REVEAL AF Study

James A. Reiffel, Atul Verma, Peter Kowey, Jonathan Halperin, Bernard Gersh, Mitchell S. V. Elkind, Paul Ziegler, Lou Sherfese, Rolf Wachter, Medtronic, Mounds View, MN, USA

8:48 a.m.

Discussion

8:51 a.m.

Comparison of Effectiveness, Safety, and the Net Clinical Outcome Between Different Direct Oral Anticoagulants in 162,707 Non-Valvular Atrial Fibrillation Patients Treated in US Clinical Practice

Steve Deitelzweig, Allison Keshishian, Xiaoyan Li, Melissa Hamilton, Cristina Masseria, Kiran Gupta, Xuemei Luo, Jack Mardekian, Keith Friend, Anagha Nadkarni, Xianying Pan, Onur Baser, Gregory Y. H. Lip, Bristol-Myers Squibb Company, Lawrenceville, NJ, USA, Pfizer, Inc., New York, NY, USA

9:01 a.m.

Discussion

9:04 a.m.

Increased Risk of Cardiac Death With Recurrent Tachycardia Mediated Cardiomyopathy Due to Atrial Fibrillation/Flutter

Srikanth Vallurupalli, Aatish Garg, Anusha Shanbhag, Hakan Paydak, University of Arkansas for Medical Sciences, Little Rock, AR, USA

9:14 a.m.

Discussion

9:17 a.m.

Cost-Effectiveness of Extended and One-Time Screening For Atrial Fibrillation Versus No Screening in the United States

Gail D. Wygant, Mustafa Oguz, Tereza Lanitis, Robert Leopold, Keith Friend, Soeren Mattke, Daniel Singer, Andreas Nikolaou, Patrick Hlavacek, Shawn Li, Evidera, London, United Kingdom

9:27 a.m.

Discussion

### Arrhythmias and Clinical EP - Self-Assessment

#### Session #807

#### Test Your Knowledge: ABIM 2017-2018 Clinical Cardiac Electrophysiology

Sunday, March 11, 2018, 8:00 a.m. - 10:30 a.m.

Room 304 G

CME Hours: 2.5 /CNE Hours: 2.5

Chair: Peter A. Brady

8:00 a.m.

Faculty



Zachary D. Goldberger  
Seattle, WA

8:00 a.m.  
Faculty  
Ralph J. Verdino  
Philadelphia, PA

8:00 a.m.  
Faculty  
Julia H. Indik  
Tucson, AZ

**Arrhythmias and Clinical EP - Hands-on Skills Learning Session #1519**  
**Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform**  
**Sunday, March 11, 2018, 8:30 a.m. - 9:30 a.m.**  
**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

8:30 a.m.  
Faculty: Clinical Judgement Challenge Station  
Zorana Mrcic  
Bethesda, MD

**Arrhythmias and Clinical EP - Poster Contributions Session #1182**  
**What's New in Sports Arrhythmia and Exercise Capacity**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

001 - Under-Recognized Causes of Sudden Death in Young Athletes: Myocarditis and Mitral Valve Prolapse  
Kevin M. Harris, Darlington Nwaudo, Mosi Bennett, Tammy Haas, Barry J. Maron, Minneapolis Heart Institute Foundation, Minneapolis, MN, USA, Tufts University School of Medicine, Boston, MA, USA

003 - Prevalence of ECG Abnormalities in Adolescents Undergoing Community Based Health Screening  
Amr Abdelbaky, Renee Langstaff, David Shipon, Thomas Jefferson University, Philadelphia, PA, USA, Lankenau Medical Center, Wynnewood, PA, USA

004 - Exercise Ventilatory Inefficiency in Heart Failure and Chronic Obstructive Pulmonary Disease  
Joshua Smith, Erik H. Van Iterson, Bruce Johnson, Barry Borlaug, Thomas Olson, Mayo Clinic, Rochester, MN, USA

005 - Exercise Ventilatory Efficiency in Older and Younger Heart Failure Patients With Preserved Ejection Fraction  
Joshua Smith, Erik H. Van Iterson, Barry Borlaug, Thomas Olson, Mayo Clinic, Rochester, MN, USA

006 - Does Music Impact Exercise Capacity During Cardiac Stress Test? A Single Blinded Pilot Randomized Controlled Study  
Karan Sarode, Waseem Shami, Sucheta Gosavi, Indika Mallawaarachchi, Alok Kumar Dwivedi, Debabrata Mukherjee, Texas Tech University Health Sciences, El Paso, TX, USA

**Arrhythmias and Clinical EP - Poster Contributions Session #1183**

**AF-Related Stroke Prevention: Screening and Approaching the Appendage**  
**Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.**  
**Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

007 - All-Cause Mortality Analysis of the PROTECT-AF and PREVAIL Studies of Left Atrial Appendage Closure  
William Whang, David R. Holmes, Marc Miller, Marie-Noelle Langan, Subbarao Choudry, Aamir Sofi, Jacob Koruth, Srinivas Dukkipati, Vivek Yerrapu Reddy, Icahn School of Medicine at Mount Sinai, New York, NY, USA, Mayo Clinic, Rochester, MN, USA

008 - Left Atrial Appendage Occlusion Device Embolization (LAAODE): Understanding the Timing, Mechanism and Outcomes  
Tawseef Dar, Bharath Yarlagadda, Apostolos Tzikas, Vaishnavi Veerapaneni, Valay Parikh, Madhu Reddy, Seth Sheldon, Bernhard Meier, Steffen Gloekler, Kim Jung-Sun, James Gabriels, Dhanunjaya R. Lakkireddy, Cardiovascular Research Institute, University of Kansas Medical Center, Kansas City, KS, USA

009 - Surgical Left Atrial Appendage Occlusion Using The Atriclip® Increases Early Postoperative Atrial Fibrillation  
Ricarda M. White, Anne Kroman, Janice Steinhoff, Gail Davenport, Foster Curtis Bryan, Michael DeFrain, Barry Winton, Robert C. Sheppard, Northside Hospital, St. Petersburg, FL, USA, The Heart Institute, St. Petersburg, FL, USA

010 - Bleeding Outcomes of the WATCHMAN™ Device in Octogenarians and Nonagenarians With Nonvalvular Atrial Fibrillation  
Fergie Ramos Tuarez, Abdullah Alrifai, Jesus Pino, Oswald Ramos, Elie Donath, Robert Chait, University of Miami Miller School of Medicine, Miami, FL, USA, JFK Medical Center Palm Beach Regional GME Consortium, Atlantis, FL, USA

011 - Left Atrial Appendage Occlusion Following Left Atrial Appendage Isolation  
Varuna Gadiyaram, Carola Gianni, Chintan Trivedi, Sanghamitra Mohanty, Domenico Della Rocca, Amin Al-Ahmad, John Burkhardt, G. Gallinghouse, Patrick Hranitzky, Javier Sanchez, Luigi Di Biase, Rodney Horton, Matthew Price, Douglas Gibson, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

012 - A Preliminary Study of Predicting Occluder Size by the Parameters of Left Atrial Appendage Orifice Based on Ultrasound 3D DICOM Data  
Qing Zhou, Dan Jia, Hong-Ning Song, Dan-E Mei, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

013 - Anesthesiology Involvement in Cardiac Rhythm Device Implantation in the US: Primary Results of a Nationwide Survey  
Scott Koerber, Eric Nelson, Jeffrey Winterfield, Michael Gold, Medical University of South Carolina, Charleston, SC, USA

014 - Clopidogrel Resistance in Patients Undergoing Left Atrial Appendage Closure With the Watchman Device  
Carola Gianni, Rodney Horton, Carolyn O' Grady, Sanghamitra Mohanty, Chintan Trivedi, Domenico Della Rocca, Amin Al-Ahmad, John Burkhardt, G. Gallinghouse, Patrick Hranitzky, Javier Sanchez,



Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

015 - Different Left Atrial Appendage Occlusion Devices For Stroke Prevention in Chinese Patients With Non-Valvular Atrial Fibrillation: A Single-Center Eight-Year Experience With Amplatzer Cardiac Plug/Amulet and Watchman Devices  
Chak Yu So, Gary S. H. Cheung, Christy K. Y. Chan, Kelvin K. H. Kam, Anna K. Y. Chan, Sylvia S. W. Au, Simon K. C. Chan, Y. Y. Lam, Alex P. W. Lee, Bryan P. Y. Yan, Chinese University of Hong Kong, Hong Kong, Hong Kong, Prince of Wales Hospital, Hong Kong, Hong Kong

017 - Mobile Phone Detection of Atrial Fibrillation: The MODE-AF Study  
Jussi Jaakkola, Samuli Jaakkola, Olli Lahdenoja, Tero Hurnanen, Tero Koivisto, Mikko Pankaala, Timo Knuutila, Tuomas Kiviniemi, Tuija Vasankari, Juhani Airaksinen, Turku University Hospital, Turku, Finland, University of Turku, Turku, Finland

018 - Assessing the Accuracy of an Automated Atrial Fibrillation Detection Algorithm Using Novel Smartwatch Technology Among Patients Presenting For Elective Cardioversion  
Joseph Bumgarner, Cameron Lambert, Daniel Cantillon, Bryan Baranowski, Kathy Wolski, Ayman Hussein, Oussama Wazni, Bruce Lindsay, Khaldoun Tarakji, Cleveland Clinic, Cleveland, OH, USA

**Arrhythmias and Clinical EP - Poster Contributions  
Session #1184  
Advances in Pathophysiology and Pharmacology of  
Arrhythmias  
Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.  
Poster Hall, Hall A/B  
CME Hours: /CNE Hours:**

019 - Inflammatory Cytokine Interleukin-6 Has a Larger Impact on Calcium-Mediated Arrhythmia Substrates Compared to Interleukin-1 $\beta$   
Sunil Vasireddi, Prasongchai Sattayaprasert, Kenneth Laurita, MetroHealth Campus of Case Western Reserve University, Cleveland, OH, USA

020 - Novel Role of Sarcolipin in Mediating Ventricular Arrhythmias in Diabetic Model  
Zhongwei Liu, Shuo Pan, Junkui Wang, Gongchang Guan, Shaanxi Provincial People's Hospital, Xi'an, People's Republic of China

021 - Low-Intensity Pulsed Ultrasound Stimulation on Atrial Ganglion Plexus Protects the Heart From Acute Myocardial Ischemia/Reperfusion in a Canine Model  
Mingxian Chen, The Second Xiangya Hospital of Central South University, Changsha, People's Republic of China

022 - The Impact of Baseline Left Ventricular Hypertrophy on Clinical Outcomes in the PRECISION Trial  
Jonathan Hansen, A. Lincoff, Steven Nissen, Jeffrey Borer, Thomas F. Luscher, Kimberly Brown, Danielle Brennan, Venu Menon, Cleveland Clinic Coordinating Center for Clinical Research, Cleveland, OH, USA

023 - Mast Cells Modulate the Pathogenesis of Leptin-Induced Ventricular Arrhythmias in Canine

Yuhong Wang, Lilei Yu, Hao Xia, Hong Jiang, Department of Cardiology, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

024 - The Impact of Diabetes Mellitus on Mortality, Length of Stay, and Cost Associated With Atrial Fibrillation Ablation  
Quoc Tran, Kyle Yuquimpo, Sean Lacy, Christopher Buckley, Barth Wright, Kansas City University of Medicine and Biosciences, Kansas City, MO, USA, University of Kansas Medical Center, Kansas City, KS, USA

025 - Platelet Toll Like Receptor and Its Ligand High Mobility Group Box 1 Expression Is Increased in the Left Atrium of AF Patients  
Kadri M. Gurses, Duygu Kocvigit, Muhammed Ulvi Yalcin, Hande Canpinar, Banu Evranos, Ugur Canpolat, Hikmet Yorgun, Mehmet Levent Sahiner, Dicle Guc, Kudret Aytemir, Hacettepe University, Ankara, Turkey

026 - Diabetes Mellitus Modulates the Risk of Arrhythmogenic Events in Patients With Severely Prolonged JTc Interval  
Mohsin Khan, Susan Olet, M. Fuad Jan, Khawaja Afzal Ammar, Suhail Allaqaband, Indrajit Choudhuri, Aurora Cardiovascular Services, Aurora Sinai and Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

027 - Gender Differences in Presentation and Outcome of Vasovagal Syncope: A Post-Hoc Analysis of the Prevention of Syncope Trials (POST) I and II  
Adam Deveau, Robert Sheldon, Connor Maxey, Debbie Ritchie, Ratika Parkash, Dalhousie University, Halifax, Canada

028 - Down-Regulation of Parvalbumin-Positive Neurons Contributes to Left Stellate Ganglion Remodeling After Myocardial Infarction  
Lilei Yu, Bing Huang, Hong Jiang, Department of Cardiology, Renmin Hospital of Wuhan University, Wuhan, People's Republic of China

029 - Using a 1:1:1 Propensity Score Matched Cohort to Analyze the Comparative Effectiveness of New Oral Anticoagulant Therapy Used For Stroke Prophylaxis in Non-Valvular Atrial Fibrillation  
Patrick Racs, Brad Sutton, Daniel Cornett, Jeffrey Ellis, Humana Inc., Louisville, KY, USA, University of Louisville School of Medicine, Louisville, KY, USA

030 - Intracardiac Echocardiogram Eliminates the Need For Routine Transthoracic Echocardiography to Assess For Pericardial Effusion After Atrial Fibrillation Catheter Ablation  
Yekaterina Kim, Akiva A. Dym, Jorge Romero, Navid Ahmed, Joshua Josephs, Nils Guttenplan, Soo Gyum Kim, Andrea Natale, Eugene Palma, Andrew Krumerman, Kevin Ferrick, Daniel Sims, Luigi Di Biase, Montefiore Medical Center, Bronx, NY, USA

031 - Antiarrhythmic Effect of Artemisinin in Brugada Syndrome Model  
Namsik Yoon, Seo Na Hong, Ki Hong Lee, Hyung Wook Park, Youngkeun Ahn, Myung Ho Jeong, Jeong Gwan Cho, Jong Chun Park, Chonnam National University Hospital, Gwangju, South Korea

**Arrhythmias and Clinical EP - Poster Contributions****Session #1185****Management of Ventricular Arrhythmias****Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.****Poster Hall, Hall A/B****CME Hours: /CNE Hours:**

033 - Electrocardiographic Variables Associated With Atrial Arrhythmias in Patients With Left Ventricular Noncompaction  
Vaibhav Vaidya, Melissa Lyle, Abhinav Nadipalli, Hector Michelena, Samuel Asirvatham, Heidi Connolly, Rowlen Melduni, Suraj Kapa, Mayo Clinic, Rochester, MN, USA, Rosalind Franklin University, Chicago, IL, USA

034 - Idiopathic Ventricular Arrhythmias May Be Associated With a Subclinical Cardiomyopathy as Assessed by Cardiac MRI T1 Mapping and Strain  
Adam Chee-Hey Lee, Wendy Strugnell, Christian Hamilton-Craig, Haris Haqqani, The Prince Charles Hospital, Brisbane, Queensland, Australia, The University of Queensland, Brisbane, Queensland, Australia

035 - Shifting Prevalence of Sites of Origin of Idiopathic Ventricular Arrhythmias  
Amole Ojo, Prakash Harikrishnan, Daniel Frenkel, Rhadames Rojas, Sei Iwai, Jason Jacobson, Westchester Medical Center/New York Medical College, Valhalla, NY, USA

036 - Single Center Clinical Experience Using Isochronal Late Activation Mapping For Ablation of Ventricular Tachycardia  
Zaid Aziz, Andrew Beaser, Gaurav Upadhyay, Hemal Nayak, Roderick Tung, University of Chicago, Chicago, IL, USA

037 - Correlation of EKG Based Site of Origin of Ventricular Arrhythmias With Site of Inflammation on FDG-PET Scan in Patients With Arrhythmogenic Inflammatory Cardiomyopathy  
Bharath Yarlagadda, Madhav Lavu, Tawseef Dar, Venkat Lakshmi Kishan Vuddanda, Ali Jazayeri, Mohit Turagam, Valay Parikh, Seth Sheldon, Rhea Pimentel, Martin Emert, Loren Berenbom, Raghuveer Dendi, Madhu Reddy, Kalyanam Shivkumar, Roderick Tung, Luigi Di Biase, Andrea Natale, Dhanunjaya R. Lakkireddy, Cardiovascular Research Institute, University of Kansas Medical Center, Kansas City, KS, USA

038 - Long QT Syndrome in the Hispanic Population: A Comparative Study  
Keila N. Lopez, Flora Nunez-Gallegos, Yunfei Wang, Bryan Cannon, Jeffrey Kim, Santiago Valdes, Baylor College of Medicine, Houston, TX, USA

039 - Rare Genetic Variants in *FLNC*-Encoded Filamin C May Serve as a Pathogenic Substrate For Arrhythmogenic Bi-Leaflet Mitral Valve Prolapse Syndrome With Concomitant Left Ventricular Enlargement  
John Giudicessi, Johan Bos, David Tester, Samuel Asirvatham, Suraj Kapa, Peter Noseworthy, Michael Ackerman, Mayo Clinic, Rochester, MN, USA

040 - Identifying High-Risk Patients Post Myocardial Infarction With Reduced Left Ventricular Function Using External Loop Recorders (INSPIRE-ELR study)

Balbir Singh, Hygriv Rao, Ulhas Pandurangi, C. Nanjappa Manjunath, Gautam Sharma, Ajay Naik, Ajit Thachil, Sharad Chandra, Vinayakrishnan Rajan, Bart Gerritse, Upendra Kaul, Nakul Sinha, Calambur Narasimhan, Premchand Kumar, Anil Saxena, Medanta Hospital, Gurgaon, India

042 - Single Center Experience of Ventricular Arrhythmias in Left Ventricular Assist Device Patients  
Aswini Kumar, Poojita Shivamurthy, Jason Gluck, Jeffrey Kluger, Hartford Hospital, Hartford, CT, USA

043 - Utility of Inferior Lead Q-Waves in Predicting Ventricular Tachycardia  
Swathi Subramany, Ajoy Kattoor, Naga Venkata Pothineni, Srikanth Vallurupalli, Hakan Paydak, University of Arkansas for Medical Sciences, Little Rock, AR, USA

044 - Prognostic Significance of Non-Ischaemic Myocardial Fibrosis in Patients With Normal LV Size and Function: A Large CMR Registry Study  
Amrit Lota, Adam Tsao, Amer Al-Balah, Akhil Patel, Simon Newsome, Florence Mouy, Brian Halliday, John Cleland, James Ware, Stuart Cook, Dudley Pennell, Sanjay Prasad, National Heart & Lung Institute, Imperial College London, London, United Kingdom, Cardiovascular Research Centre, Royal Brompton Hospital, London, United Kingdom

045 - Substrate Modification For the Management of Symptomatic Brugada Syndrome: A Systematic Review  
Gilson Costa Fernandes Filho, Amanda Dantas Ferreira Fernandes, Manuel Rivera, Guilherme Nasi, Rhanderson Cardoso, Jeffrey Goldberger, Raul Mitrani, University of Miami, Miami, FL, USA

046 - Costs and Clinical Factors Associated With 30- and 60-Day Hospital Readmission After Ventricular Tachycardia Ablation  
Kristin Nosova, Brad Sutton, University of Louisville School of Medicine, Louisville, KY, USA

**Arrhythmias and Clinical EP - Moderated Poster Contributions****Session #1216M****Arrhythmias and Clinical EP: New Drugs, New Insights****Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.****Arrhythmias and Clinical EP Moderated Poster Theater,****Poster Hall, Hall A/B****CME Hours: /CNE Hours:**

ACC Poster Moderator: Kenneth A. Ellenbogen

ACC Poster Moderator: Andrew E. Epstein

9:45 a.m.

Relation of Stroke and Bleeding Risk Profiles to Efficacy and Safety of Dabigatran in Atrial Fibrillation After PCI: An Ancillary Analysis From the RE-DUAL PCI Trial

Gregory Lip, Laura Mauri, Gilles Montalescot, Mick Ozkor, Panagiotis Vardas, Philippe Gabriel Steg, Deepak Bhatt, Stefan Hohnloser, Eva Kleine, Matias Nordaby, Takeshi Kimura, Jonas Oldgren, Jurrien Ten Berg, Christopher Cannon, University of Birmingham, Birmingham, United Kingdom

9:55 a.m.

Question and Answer



10:00 a.m.

Effectiveness and Safety of Apixaban, Dabigatran and Rivaroxaban Versus Warfarin in Frail Patients With Nonvalvular Atrial Fibrillation

Craig I. Coleman, Alexander Turpie, Thomas J. Bunz, Nitesh Sood, University of Connecticut, Storrs, CT, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Triple Versus Double Oral Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention: A Meta-Analysis

Jianjun Sun, Ying Dong, Yi Wang, Rui-Lian Ma, Affiliated Hospital of Inner Mongolia Medical University, Hohhot, People's Republic of China

10:25 a.m.

Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #662

#### What Do the New Guidelines Say? Lessons for the Clinical Cardiologist

**Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.**

**Room 314 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Julia H. Indik

Co-Chair: Fred M. Kusumoto

Panelist: Ulrika Birgersdotter-Green

Panelist: Hugh Calkins

Panelist: Jose Joglar

Panelist: Win-Kuang Shen

10:45 a.m.

Case Presentation: My Patient Has Cardiac Sarcoid - Does She Need An ICD?

Thomas C. Crawford

Ann Arbor, MI

10:52 a.m.

Panel Discussion With Question and Answer

11:07 a.m.

Case Presentation: My Patient Is Obese, Does He Need to Lose Weight Before Considering Ablation?

Jennifer M. Wright

Madison, WI

11:14 a.m.

Panel Discussion With Question and Answer

11:29 a.m.

Case Presentation: My Patient With Syncope Has a Family History of Unexplained Death, What Next?

Ciorsti MacIntyre

Halifax, NS

11:36 a.m.

Panel Discussion With Question and Answer

11:51 a.m.

Case Presentation: My Pacemaker Dependent Patient Has a Non-Conditional ICD System, How Can She Have an MRI?

Hyon-He Garza

Tucson, AZ

11:58 a.m.

Panel Discussion With Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #678

#### Arrhythmia and Genes: We Got the Beat!

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Room 314 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Aarti Dalal

Co-Chair: Dan Sorajja

Panelist: Marwan Refaat

Panelist: Nancy Berg

Panelist: Paul D. Varosy

12:30 p.m.

Case Presentation: FIT/EF A 22 Year Old With LQT and Syncope

Logan Vincent

Seattle, WA

12:35 p.m.

Panel Discussion With Question and Answer

12:48 p.m.

Case Presentation: A 28 Y/O With HCM and Abnormal Genetic Testing

Hyon Jae Lee

Branford, CT

12:53 p.m.

Panel Discussion With Question and Answer

1:06 p.m.

Case Presentation: A 74 Year Old With Medication Proarrhythmia

Mohit Turagam

New York, NY

1:11 p.m.

Panel Discussion With Question and Answer

1:24 p.m.

Translational Talk: How Genetic Information Is Impacting Care for Inherited Arrhythmia Syndromes

Mina K. Chung

Cleveland, OH

### Arrhythmias and Clinical EP - Moderated Poster

#### Contributions

#### Session #1225M

#### What Have We Learned About New Anticoagulants?

**Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.**

**Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Santosh Padala

ACC Poster Moderator: Sherry J. Saxonhouse





12:30 p.m.

10-Year Trends in Catheter Ablation of Ischemic and Non-Ischemic Ventricular Tachycardia

Brad Sutton, [Kristin Nosova](#), University of Louisville School of Medicine, Louisville, KY, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Safety of Rhythm Control and Cardioversion For Patients With Recurrent Symptomatic Atrial Fibrillation in the Absence of Anticoagulation Following Percutaneous Left Atrial Appendage Occlusion

[Rajan Shah](#), Waleed Al-Darzi, Adam Greenbaum, Marvin Eng, Dee Dee Wang, Joshua Greenberg, Marc Lahiri, Arfaat Khan, William W. O'Neill, Claudio Schuger, Gurjit Singh, Henry Ford Heart & Vascular Institute, Detroit, MI, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Evaluation of Novel Risk Score For Refining Stroke Risk in "Low-Risk" Atrial Fibrillation Patients With CHA2DS2-VASc Score of 0 and 1

[Yoav Arns](#), Moshe Hoshen, Adi Berliner Senderey, Orna Reges, Ran Balicer, Morton Leibowitz, Meytal Avgil Tsadok, Moti Haim, Clalit Research Institute, Tel Aviv, Israel, Meir Medical Center, Kfar Saba, Israel

1:10 p.m.

Question and Answer

1:15 p.m.

The Efficacy and Safety of Apixaban Versus Warfarin Are Preserved in Patients With Atrial Fibrillation and Extremely High Body Weight: Insights From the ARISTOTLE Study  
[Marat Fudim](#), Renato Lopes, John Alexander, Daniel Wojdyla, Justin Ezekowitz, Michael Hanna, Dan Atar, Ziad Hijazi, Maria Bahit, Jose Lopez-Sendon, Lars Wallentin, Christopher Granger, Stefan Hohnloser, Duke Clinical Research Institute, Durham, NC, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Safety and Efficacy of Concomitantly Used Direct Oral Anticoagulant and Amiodarone in Patients With Non-Valvular Atrial Fibrillation: A Meta-Analysis of Prospective Randomized Clinical Trials

[Bradley Peltzer](#), Florentino Lupercio, Jorge Romero, Carola Maraboto Gonzalez, David Briceno, Pedro Villablanca, Kevin Ferrick, Jay Gross, Soo Gyum Kim, John D. Fisher, Luigi Di Biase, Andrew Krummerman, Montefiore Medical Center/Albert Einstein College of Medicine, New York, NY, USA

1:40 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1234

#### Biventricular and His Bundle Pacing

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

001 - Cardiac Resynchronization Therapy Does Not Benefit Heart Failure Patients With Atrial Fibrillation Without Atrio-Ventricular Junction Ablation: A Meta-Analysis

[Jessica Atkins](#), Usman Mustafa, Desiree Dawson, Pratap Reddy, Paari Dominic, Louisiana State University Health Sciences Center - Shreveport, Shreveport, LA, USA

002 - Long-Term Outcomes of Cardiac Resynchronization Therapy in Asymptomatic Heart Failure Patients

[Valentina Kutyla](#), Blanca Quesada, Helmut Klein, Yitschak Biton, Scott McNitt, Bronislava Polonsky, Wojciech Zareba, Arthur Moss, Aurelio Quesada, University of Rochester Medical Center, Rochester, NY, USA

003 - Reverse Ventricular Remodeling in Patients With Severe Left Ventricular Dysfunction Following Cardiac Resynchronization Therapy: A Two Center Study

[Carolyn Park](#), David Spragg, John Rickard, Johns Hopkins Hospital, Baltimore, MD, USA, Cleveland Clinic, Cleveland, OH, USA

004 - Comparison Between Cardiac Resynchronization Therapy With and Without Defibrillator on Long-Term Mortality: A Propensity Score Matched Analysis

[Yixiu Liang](#), Yangang Su, Junbo Ge, Department of Cardiology, Zhongshan Hospital, Shanghai, People's Republic of China

005 - Cardiac Resynchronization Therapy in 3D Using Electromechanical Wave Imaging: A Novel Non Invasive Ultrasound-Based Imaging Technique

[Christopher Grubb](#), Lea Melki, Daniel Y. Wang, James Peacock, Jose Dizon, Hasan Garan, Elisa Konofagou, Elaine Wan, Columbia University Medical Center, Division of Cardiac Electrophysiology, New York, NY, USA, Columbia University, Department of Biomedical Engineering, New York, NY, USA

006 - Clinical Outcomes of Cardiac Resynchronization Therapy With and Without a Defibrillator in Elderly Patients With Heart Failure

[Simon Christie](#), Brett Hiebert, Colette Seifer, Clarence Khoo, University of Manitoba, Winnipeg, Canada, Winnipeg Regional Health Authority, Winnipeg, Canada

007 - What Have We Learned Through 8 Cases of Transseptal Resynchronization: Experience From Our Center

[Dan-Andrei Radu](#), Corneliu Iorgulescu, Bogdan Stefan Nicolae, Alexandrina Nastasa, Deaconu Alexandru Ioan, Radu-Gabriel Vatasescu, Clinical Emergency Hospital of Bucharest, Bucharest, Romania

008 - Association of RV and LV Functional Parameters With Long-Term Clinical Outcomes Post-CRT

[Eliahy Mejia-Lopez](#), Kenneth Bilchick, Michael Millard, Benjamin Ruth, Jamie Kennedy, Sula Mazimba, University of Virginia, Charlottesville, VA, USA



009 - The Effect of Cardiac Resynchronization Therapy on Outcomes in Women: A Substudy of the Resynchronization-Defibrillation For Ambulatory Heart Failure Trial  
Dominique De Waard, Jaimie Manlucu, Anne Gillis, John Sapp, Anthony Tang, George Wells, Ratika Parkash, Dalhousie University, Halifax, Canada

010 - Reconstitution of Native Intrinsic Conduction in Patients With Several Years of Complete Infranodal Heart Block and Left Bundle Branch Block With Permanent His Bundle Pacing  
Fatima Ezzeddine, Joel Simon, Rajeev Singh, Gopi Dandamudi, Krannert Institute of Cardiology, Indianapolis, IN, USA

011 - His Bundle Pacing Results in a Narrower Paced QRS Compared to Bi-Ventricular Pacing For Cardiac Resynchronization Therapy  
Nicholas J. Serafini, Nidhi Madan, Estefania Oliveros, Henry Huang, Richard Trohman, Parikshit Sharma, Rush University Medical Center, Chicago, IL, USA

012 - Electroanatomic Guided Biventricular Implantable Cardioverter-Defibrillator Implantation Utilizing Carto 3 and Ensite NavX Mapping Systems For Reduction of Fluoroscopy and Intravenous Contrast Usage  
Nicholas Serafini, Parikshit Sharma, Richard Trohman, Henry Huang, Rush University Medical Center, Chicago, IL, USA

#### Arrhythmias and Clinical EP - Poster Contributions Session #1235

#### Out of Hospital Cardiac Arrest and Channelopathies Associated With Sudden Cardiac Death

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

013 - Association Between Diabetes Mellitus and Poor Patient Outcomes After Out-of-Hospital Cardiac Arrest: A Systematic Review and Meta-Analysis  
Dinesh Voruganti, Michael C. Giudici, Adithya Chennamadhavuni, Rohan Garje, Ghanshyam P. S. Shantha, Marin Schweizer, Saket Girotra, University of Iowa Hospitals, Iowa City, IA, USA

014 - Practice Makes Perfect? The Correlation Between Hospital Volume of Targeted Temperature Management and In-Hospital Mortality Rate: A Nationwide Analysis From 2010 to 2014  
Xin Wei, Kevin Gu, Ahmadreza Moradi, Bing Yue, Xiaochuan Yang, Chayakrit Krittanawong, Karan Sud, Mario Rodriguez, Mariam Khandaker, Basera Sabharwal, Eyal Herzog, Mount Sinai St. Luke's West, New York, NY, USA

015 - Prediction Chart For Neurologically Intact Survival After Out-of-Hospital Cardiac Arrest: Evidence From a Japanese Nationwide Population-Based Cohort Study  
Akira Funada, Yoshikazu Goto, Masakazu Yamagishi, Kanazawa University Hospital, Kanazawa, Japan

016 - The Trends and Outcomes of Out-of-Hospital Cardiac Arrests in the City of Shreveport, Louisiana  
Khagendra Dahal, Neeraj Tandon, Kalgi Modi, Pratap Reddy, LSUHSC, Shreveport, LA, USA, Overton Brooks VA Medical Center, Shreveport, LA, USA

017 - Risk of Diabetes Mellitus on Incidence of Out-of-Hospital Cardiac Arrest and Trends of Outcomes: A 22-Year Observational Study From the Middle East

Ayobami Omosola, Abdulrahman Arabi, Jassim Al Suwaidi, Rajvir Singh, Nidal Asaad, Heart Hospital, Hamad Medical Corporation, Doha, Qatar

018 - Declining In-Hospital Mortality Rates in Women and Men With Diabetes Mellitus Presenting With Out-of-Hospital Cardiac Arrest: A 22-Year Observational Study From the Middle East  
Ayobami Omosola, Abdulrahman Arabi, Jassim Al Suwaidi, Rajvir Singh, Awad Alqahtani, Heart Hospital, Hamad Medical Corporation, Doha, Qatar

019 - Intravenous Versus Intraosseous Access For Parenteral Drug Administration in Out-of-Hospital Cardiac Arrest  
Purav Mody, Rohan Khera, Nimesh Patel, Pamela Owens, Jarett Berry, Mark Link, Ahamed Idris, UT Southwestern Medical Center, Dallas, TX, USA

020 - Galectin-3 Independently Predicts the Risk of Early Mortality After Sudden Cardiac Arrest  
Wassim Mosleh, Zaid Al-Jebaje, Sahoor Khan, Milind Chaudhari, Tanvi Shah, Charl Khalil, Kevin Frodey, Suraj Dahal, Umesh Sharma, University at Buffalo, Buffalo, NY, USA

021 - Prolonged Pauses in Cardiopulmonary Resuscitation Are Associated With Poor Survival During In-Hospital Cardiac Arrest  
John Birchak, Owais Abdul-Kafi, Trinh Pham, Maya Viner, Maria Nehmer, Birju Rao, Amer Ardatti, Dustin Fraidenburg, University of Illinois at Chicago, Chicago, IL, USA

022 - Analysis of Nationwide Outcomes and Trends of In-Hospital Cardiac Arrest Between Men and Women  
Saman Setareh-Shenas, Di Pan, Basera Sabharwal, Felix Thomas, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's-West Hospital Center, New York, NY, USA

023 - Neurologic Outcome in Patients With Successfully Resuscitated From Out-of-Hospital Cardiac Arrest According to the Timing of Initiating Therapeutic Hypothermia  
Jin Sup Park, Pusan National University Hospital, Busan, South Korea

024 - Time to Rewarming After Therapeutic Hypothermia and Outcomes After Cardiac Arrest  
Aldo Schenone, Kevin Chen, Haris Riaz, Jose L. Aguilera, Abhijit Duggal, Venu Menon, Cleveland Clinic, Cleveland, OH, USA

025 - Trends in Utilization of Therapeutic Hypothermia and Outcomes of Patients With In-Hospital Cardiac Arrest: A 7-Year Nationwide Analysis  
Di Pan, Saman Setareh-Shenas, Basera Sabharwal, Valeria Santibanez, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's-West Hospital Center, New York, NY, USA

026 - SCN5A Mutation Increases the Risk of Major Arrhythmic Events in Brugada Syndrome: Systematic Review and Meta-Analysis  
Pattara Rattanawong, Jirat Chenbhanich, Poemlarp Mekraksakit, Wasawat Vutthikraivit, Tanawan Riangwiwat, Pakawat



Chongsathidkiet, Eugene H. Chung, University of Hawaii Internal Medicine Residency Program, Honolulu, HI, USA

027 - Hodge's Equation and Other Quantitative Metrics Facilitate Diagnosis of Long QT Syndrome

Nathaniel D. McConkey, Andrew Foy, Gerald Naccarelli, Jason Imundo, Penn State Health Hershey Medical Center, Hershey, PA, USA

028 - Inherited Arrhythmias Specialized Clinic For the Underprivileged: Initial Experience and Challenges

Mohamed Elmaghawry, Mohamed Ahmed, Omnia Kamel, Magdi Yacoub, Aswan Heart Centre, Aswan, Egypt

029 - Clinical and Molecular Features of Eleven Egyptian Families With Autosomal Recessive Long QT Syndrome

Mohamed Elmaghawry, Mohamed Ahmed, Yasmine Aguib, Heba Kassem, Alaa Afify, Omnia Kamel, Magdi Yacoub, Aswan Heart Centre, Aswan, Egypt

030 - Electrocardiographic Selvester Score Is Associated With Sudden and Non-Sudden Cardiac Death: The Atherosclerosis Risk in Communities Study and Cardiovascular Health Study

David M. German, Erick A. Perez-Alday, Aron Bender, Jason Thomas, Christopher Hamilton, Srini Mukundan, Wendy Post, Scott Solomon, Elsayed Soliman, Nona Sotoodehnia, David Siscovick, Larisa Tereshchenko, Oregon Health and Science University, Portland, OR, USA

032 - QT Interval Prolongation in an Inpatient Population Receiving Antipsychotics

Erika Rincon, Carlos Alberto Miranda, Juan Carlos Rivas, Juliana Galindo, Luis Fernando Zambrano, Ana Maria Rivas, Sandra Milena Ramirez, Mauricio Hernandez, Pablo Perafan, Juan Esteban Gomez Mesa, Hospital Psiquiatrico Universitario del Valle, Cali, Colombia, Fundacion Valle del Lili, Cali, Colombia

033 - The CHA2DS2VASC Score Can Predict Mortality in Patients With Atrial Fibrillation Following Hospitalization For an Acute Myocardial Infarction: Insights From the Worcester Heart Attack Study

Amartya Kundu, Kevin O'Day, Darleen Lessard, Joel Gore, Robert Goldberg, David McManus, University of Massachusetts Medical School, Worcester, MA, USA

034 - Predicting Mortality in Patients With Cancer and Atrial Fibrillation

Alejandra Gutierrez Bernal, Rushad Patell, Lisa Rybicki, Alok A. Khorana, Cleveland Clinic Foundation, Cleveland, OH, USA

035 - Mortality Associated With Calcium Channel Blockers in Heart Failure With Reduced Ejection Fraction: Real World Experience

Lynn Zaremski, Faraj Kargoli, Hanif Waqas, Nurligan Bulcha, Ephraim Leiderman, Dmitriy Nevelev, Jay Chudow, Tina Shah, John D. Fisher, Luigi Di Biase, Andrew Krumerman, Kevin Ferrick, Montefiore Medical Center, Bronx, NY, USA

036 - Thirty Day Readmissions and Pacemaker Implantation Rates For Syncope Insights From United States Nationwide Readmission Database

Venkat Lakshmi Kishan Vuddanda, Naga Sai Shravan Turaga, Zubair Shah, Srikanth Yandrapalli, Mohammad-Ali Jazayeri, Mohit

Turagam, Seth Sheldon, Dhanunjaya R. Lakkireddy, Moussa Mansour, Edwin Heist, Harvard Medical School, Boston, MA, USA, Massachusetts General Hospital, Boston, MA, USA

### Arrhythmias and Clinical EP - Poster Contributions Session #1236

#### Catheter Ablation: Techniques and Outcomes

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

037 - 'Smoke' Detected on Transesophageal Echocardiography Is a Risk Factor For Stroke in Patients With Atrial Fibrillation Undergoing Catheter Ablation

Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Domenico Giovanni Della Rocca, John Burkhardt, Javier Sanchez, Patrick Hranitzky, Gerald Gallinhouse, Amin Al-Ahmad, Rodney Horton, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

038 - Gender-Specific Variation in Pulmonary Vein Reconnection Rate After Catheter Ablation For Atrial Fibrillation

Sanghamitra Mohanty, Chintan Trivedi, Carola Gianni, Vivek Bhupathi, Domenico Giovanni Della Rocca, John Burkhardt, Javier Sanchez, Patrick Hranitzky, Gerald Gallinhouse, Amin Al-Ahmad, Rodney Horton, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

039 - Long-Term Mortality Predictors in Ischaemic or Non-Ischaemic Patients Undergoing VT Ablation

Klaudia Vivien Nagy, Nandor Szegedi, Gábor Széplaki, Tamás Tahin, István Osztheimer, Szilvia Herczeg, Zoltán Salló, Bela Merkely, Laszlo Geller, Semmelweis University Heart and Vascular Center, Budapest, Hungary

040 - Etiologies, Trends and Predictors of Early Readmission After Ventricular Tachycardia Ablation: An Analysis of 4,614 Patients

Charan Yerasi, Anil Kumar Jonnalagadda, Byomesh Tripathi, Sandeep Banga, Varun Miryala, Saifuldeen Al-Qaisi, Sina Nafisi, Anantharam Kalya, St. Joseph's Hospital and Medical Center, Phoenix, AZ, USA

041 - Predictors of Utilization, Mortality, and Procedural Complications of Catheter Ablation For Ventricular Tachycardia in Ischemic and Non-Ischemic Patients

Brad Sutton, Kristin Nosova, University of Louisville School of Medicine, Louisville, KY, USA

042 - Safety and Efficacy of Non-Vitamin K Antagonist Oral Anticoagulants Versus Warfarin in Patients Undergoing Atrial Fibrillation Ablation: A Meta-Analysis of Randomized Controlled Trials

Nelson Telles Garcia, Khagendra Dahal, Nachiket Apte, Pratap Reddy, Paari Dominic, Louisiana State University Health Science Center, Shreveport, LA, USA

043 - Adenosine After Left Atrial Appendage Isolation: Acute Results

Carola Gianni, Sanghamitra Mohanty, Chintan Trivedi, Domenico G. Della Rocca, Amin Al-Ahmad, John Burkhardt, G. Gallinhouse, Patrick Hranitzky, Rodney Horton, Javier Sanchez, Luigi Di Biase,



Andrea Natale, Claude Elayi, Texas Cardiac Arrhythmia Institute, Austin, TX, USA

044 - Outcomes of Catheter Ablation For Atrial Fibrillation in Patients With Heart Failure and Reduced Ejection Fraction: A Meta-Analysis  
Muhammad Khan, Maryam Sheikh, Akram Elgendy, Ahmed N. Mahmoud, University of Florida, Gainesville, FL, USA, University of South Dakota, Sioux Falls, SD, USA

045 - Coronary Calcification on Pre-Ablation Computed Tomography Is Not Associated With Atrial Fibrillation Recurrence Following Ablation  
Efstathios Koutroumpakis, Wafic Itani, Meena Zakher, Benjamin Schwartz, John Espey, Camille Dumas, John Fantauzzi, Elizabeth Rau, David Steckman, Mikhail Torosoff, Albany Medical College, Albany, NY, USA

046 - Impact of Pulmonary Vein Isolation on Hospitalizations in Heart Failure With Preserved Ejection Fraction  
Sheng Fu, David Soma, Douglas Gunzler, Catherine Fallick, Ohad Ziv, Case Western Reserve University, Cleveland, OH, USA

### Arrhythmias and Clinical EP - Scientific

#### Session #691

#### Left Atrial Appendage Exclusion for AF: Who, How and When?

**Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.**

**Room 314 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Srinivas Dukkipati

Co-Chair: Kenneth A. Ellenbogen

2:00 p.m.

Antithrombotic Therapy Post LAA Exclusion: A Case Challenge  
Marie-Noelle S. Langan

2:10 p.m.

Question and Answer

2:22 p.m.

LAA Exclusion: Cases of Complications and Their Management  
Dhanunjaya R. Lakkireddy  
Leawood, KS

2:32 p.m.

Question and Answer

2:44 p.m.

LAA Exclusion: A Review of Current Literature  
Jonathan P. Piccini  
Durham, NC

2:55 p.m.

Question and Answer

3:07 p.m.

LAA Exclusion: Defining Patient Selection: A Case Based Approach  
David J. Wilber  
Maywood, IL

3:17 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1265M

#### New Clinical Trials in Anticoagulation

**Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.**

**Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Andrew E. Epstein

ACC Poster Moderator: Cynthia M. Tracy

3:45 p.m.

Impact of Anticoagulation on Resolution of Left Atrial Appendage Thrombi

Hoyle Whiteside, Kristen Brown, Arun Nagabandi, Supawat Ratanapo, Gyanendra Sharma, Medical College of Georgia at Augusta University, Augusta, GA, USA

3:55 p.m.

Question and Answer

4:00 p.m.

The Safety of Discontinuation of Long-Term Oral Anticoagulation Therapy After Apparently Successful Atrial Fibrillation Ablation: Chinese Atrial Fibrillation Registry Study

Wangyang Yang, Xin Du, Nian Liu, Rong Bai, Wei Wang, Liu He, Lu Wang, Chang Liu, Xueyuan Guo, Songnan Li, Caihua Sang, Chenxi Jiang, Ronghui Yu, Deyong Long, Jianzeng Dong, Changsheng Ma, Beijing Anzhen Hospital, Capital Medical University, Beijing, People's Republic of China

4:10 p.m.

Question and Answer

4:15 p.m.

CHA<sub>2</sub>DS<sub>2</sub>-VASc and HAS-BLED Scores in Predicting the Risk of Stroke Versus Intracranial Bleed: The FibStroke Study  
Samuli Jaakkola, Tuomas Kiviniemi, Ilpo Nuotio, Juha Hartikainen, Pirjo Mustonen, Antti Palomäki, Jussi Jaakkola, Antti Ylitalo, Paivi Hartikainen, Juhani Airaksinen, Turku University Hospital, Turku, Finland

4:25 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Hands-on Skills Learning Session #1535

#### Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform

**Sunday, March 11, 2018, 4:45 p.m. - 5:45 p.m.**

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**

**CME Hours: /CNE Hours:**

4:45 p.m.

Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform



### Arrhythmias and Clinical EP - Scientific

#### Session #705

#### Ventricular Tachycardia in the Normal Heart: When Should I Worry?

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 314 A**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Jonathan Hsu

Co-Chair: Ratika Parkash

Panelist: Noel G. Boyle

Panelist: Hugh Calkins

Panelist: Melissa R. Robinson

4:45 p.m.

Outflow Tract Tachycardia: Always Benign?

Melissa R. Robinson

Seattle, WA

4:57 p.m.

Panel Discussion With Question and Answer

5:03 p.m.

Mitral Valve Prolapse and Ventricular Arrhythmia: NormalHeart or Not?

Noel G. Boyle

Los Angeles, CA

5:15 p.m.

Panel Discussion With Question and Answer

5:21 p.m.

Fascicular VT: Is There a Relationship With Ventricular Fibrillation?

Suraj Kapa

Rochester, MN

5:34 p.m.

Panel Discussion With Question and Answer

5:40 p.m.

Non-Outflow Right Ventricular Tachycardia: Is It Always Dysplasia?

Hugh Calkins

Baltimore, MD

5:52 p.m.

Panel Discussion With Question and Answer

### Arrhythmias and Clinical EP - Scientific

#### Session #706

#### Anticoagulation Dilemmas

**Sunday, March 11, 2018, 4:45 p.m. - 6:00 p.m.**

**Room 312 C**

**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Emelia J. Benjamin

Co-Chair: Kousik Krishnan

4:45 p.m.

Stroke Risk Reduction in the Anticoagulation Contraindicated Patient

Randall J. Lee

San Francisco, CA

4:56 p.m.

Question and Answer With ARS

5:04 p.m.

Should I Stop Anticoagulation in a Patient With a Surgically Ligated Appendage

Ralph J. Damiano

Saint Louis, MO

5:15 p.m.

Question and Answer With ARS

5:23 p.m.

Redefining What NVAf Means in the Era of Noacs and LAAO

Anne B. Curtis

Buffalo, FL

5:34 p.m.

Question and Answer With ARS

5:42 p.m.

Can I Use LAAO in Patients With Valvular Disease?

Vijay Swarup

Phoenix, AZ

5:53 p.m.

Question and Answer With ARS

### Arrhythmias and Clinical EP - International

#### Session #523

#### Atrial Fibrillation - The Big Picture: International Perspectives From the European Society of Cardiology II and American College of Cardiology

**Monday, March 12, 2018, 8:00 a.m. - 9:30 a.m.**

**Room 304 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Stephan Achenbach

Co-Chair: David J. Wilber

8:00 a.m.

Atrial Fibrillation, Fibrosis, and Imaging

Jeroen J. Bax

ZA Leiden, Netherlands

8:15 a.m.

Re-examining the Relationship between Atrial Fibrillation and Stroke

James A. Reiffel

Jupiter, FL

8:30 a.m.

European AF Guidelines: Tips and Tricks for Anticoagulation

Paulus Kirchhof

Birmingham, United Kingdom

8:45 a.m.

AF Ablation: The Who, The When, The Why

Nassir F. Marrouche

Salt Lake City, UT

9:00 a.m.

Panel Discussion and Audience Question and Answer





### Arrhythmias and Clinical EP - Scientific

#### Session #719

#### Arrhythmias Potpourri: We Got Rhythm!

**Monday, March 12, 2018, 8:00 a.m. - 9:30 a.m.**

**Room 314 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Sondra M. DePalma

Co-Chair: Federico Gentile

Panelist: Craig J. Beavers

Panelist: Nancy Berg

8:00 a.m.

Case Presentation: Patient With Neurogenic Orthostatic

Hypotension

Niyada Naksuk

Rochester, MN

8:10 a.m.

ARS Question and Discussion

8:20 a.m.

Panel Discussion With Question and Answer

8:30 a.m.

Case Presentation: Patient With Recurrent Vasovagal Syncope

Aarti Dalal

Saint Louis, MO

8:40 a.m.

ARS Question and Discussion

8:50 a.m.

Panel Discussion With Question and Answer

9:00 a.m.

Case Presentation: Paroxysmal Atrial Fibrillation and Multiple

Comorbidities

Stacy Westerman

Atlanta, GA

9:10 a.m.

ARS Question and Discussion

9:20 a.m.

Panel Discussion With Question and Answer

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1274

#### Insights Into Sudden Death and Defibrillation Therapy

**Monday, March 12, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

002 - Fatal Arrhythmia and Sudden Unexpected Death in Patients With an Implanted Cardiac Defibrillator and Post-Mortem Interrogation in MADIT-CRT

Robert E. Goldstein, Margaret L. McCarthy, Ronald J. Krone, Mark C. Haigney, Wojciech Zareba, Arthur J. Moss, MADIT-CRT Trial Investigators, Uniformed Services University, Bethesda, MD, USA, University of Rochester, Rochester, NY, USA

003 - Risk of Life-Threatening Arrhythmic Events in Non-Ischemic Heart Failure Patients With Prophylactic Cardioverter Defibrillator

Sem Briongos-Figuero, Alvaro Estevez, Ana Sanchez, Luisa Perez, José Martínez-Ferrer, Enrique García, Javier Viñolas Prats, Angel Arenal, Alzueta Javier, Roberto Muñoz-Aguilera, Hospital Infanta Leonor, Madrid, Spain

004 - Patients in New York Heart Association Functional Class I Might Benefit From Primary Prevention Implantable Cardioverter Defibrillator Therapy

Anne-Lotte Van Der Lingen, Stefan Timmer, Mischa Rijnierse, Albert van Rossum, Cornelis Allaart, VU University Medical Center, Amsterdam, The Netherlands

005 - Where Do We Go From Here? Beyond the *NEJM MagnaSafe* Trial: A Focus Beyond a Myopic CMR 'Safety-First' Notion

Robert W. W. Biederman, Loretta Gevenosky, Huma Samar, Ronald Williams, Richard Lombardi, Moneal Shah, Christopher Bonnet, Mark Doyle, Allegheny General Hospital, Pittsburgh, PA, USA

006 - Flexible Intercostal Generator For Pacing and Defibrillation

A-Hamid I. Hakki, H. Andrew Hazlitt, Bernardo Stein, Juan Garcia-Morell, Clearwater Cardiovascular Consultants, Safety Harbor, FL, USA

### Arrhythmias and Clinical EP - Poster Contributions

#### Session #1275

#### How Much Does Atrial Fibrillation Really Cost?

**Monday, March 12, 2018, 9:30 a.m. - 12:30 p.m.**

**Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

007 - Determinants of Cost in Patients Hospitalized With Atrial Fibrillation

Rohit Rattan, Evan Adelstein, Sandeep Jain, Samir Saba, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

008 - Cost Effectiveness of Oral Anticoagulation Therapy For Non-Valvular Atrial Fibrillation Patients: Warfarin Versus the New Oral Anticoagulants Rivaroxaban, Dabigatran and Apixaban

Ismael Ortiz-Cartagena, Antonio Orraca Gotay, Jose Acevedo, VA Caribbean Healthcare System, San Juan, PR, USA

009 - Cost-Minimization Analysis of Atrial Fibrillation and Atrial Flutter Through Intravenous Sotalol Loading

Kathy Tang, T. Joseph Mattingly II, Joshua Ayres, Vincent See, Brent Reed, University of Maryland School of Pharmacy, Baltimore, MD, USA, University of Maryland Medical Center, Baltimore, MD, USA

010 - Role of Diabetes and Insulin Use in the Risk of Stroke and Acute Myocardial Infarction in Patients With Atrial Fibrillation: A Medicare Analysis

Ghanshyam Palamaner Subash Shantha, Amgad Mentias, Chakradhari Inampudi, Oluwaseun Adeola, Chad Ward, Kongkiat Chaikriangkrai, Nimesh Patel, Alexander Mazur, Abhishek Deshmukh, Michael Giudici, Frank Pelosi, Hakan Oral, Rajan Sah, Mary Vaughan Sarrazin, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

011 - Readmissions For Major Bleeding or Falls Are Uncommon in an Unselected Population of Patients Hospitalized With Atrial Fibrillation



Gregory J. Fermann, Roberta James, Kenneth Moore, Bimal Shah, Elaine Hylek, Christopher Granger, Peter Berger, University of Cincinnati College of Medicine, Cincinnati, OH, USA

012 - Hospital Level Variations in Episode Costs For Atrial Fibrillation

Michael Ghannam, John Syrjamaki, Chandy Ellimoottil, James Dupree, Brahmajee Nallamothu, Hamid Ghanbari, Michigan Medicine, Ann Arbor, MI, USA

013 - Rates of Oral Anticoagulant Use in Patients With Atrial Fibrillation Managed by Primary Care and Cardiology Providers With or Without Use of a Structured Note For PINNACLE Registry Reporting

John Petersen, Tyler Gluckman, Christopher Dale, Joshua Buckler, Darryl Wells, Lisa Zhao, Sahana Ingale, R. Jeffrey Westcott, Swedish Medical Center, Seattle, WA, USA, Providence St. Vincent's Medical Center, Portland, OR, USA

014 - Evaluation of CHA<sub>2</sub>DS<sub>2</sub>-VASc Risk Stratification Tool in Pregnant Women With Atrial Fibrillation or Atrial Flutter

Kathryn Lindley, Delia LoSapio, Shayna Conner, Joseph Billadello, Philip Barger, Alison Cahill, Washington University in St. Louis, St. Louis, MO, USA

015 - The Costs of Treating Bradycardia in the United States: An Economic Analysis

Victor Abrich, Matthew Spear, Banveet Kaur, Mac McCullough, Siva Mulpuru, Eric H. Yang, Mayo Clinic Arizona, Phoenix, AZ, USA, College of Health Solutions, Arizona State University, Phoenix, AZ, USA

016 - Performance and Characteristics of Hospitals Participating in the American College of Cardiology Voluntary Public Reporting Program

Karl E. Minges, Jephtha Curtis, Nihar Desai, Yongfei Wang, Frederick A. Masoudi, John Messenger, Sean Hilscher, William Oetgen, Michael Simanowith, Lara Slattery, Gregory Dehmer, Yale University School of Medicine, New Haven, CT, USA, American College of Cardiology, Washington, DC, USA

017 - The Electrocardiographic Feature of Acute Myocardial Infarction Complicated by Ventricular Fibrillation Surviving From Out-of-Hospital Cardiopulmonary Arrest

Koji Sudo, Yukio Hosaka, Kazuyoshi Takahashi, Takumi Akiyama, Takahiro Hakamata, Kota Nishida, Komei Tanaka, Keiichi Tsuchida, Hirotaka Oda, Niigata City General Hospital, Niigata, Japan

018 - Predictors of 30-Day Readmission in Patients With Syncope  
Amer N. Kadri, Hasan Abuamsha, Leen Nusairat, Nazih Kadri, Hussam Abuissa, Adrian Hernandez, Cleveland Clinic Foundation, Cleveland, OH, USA

## Arrhythmias and Clinical EP - Poster Contributions

### Session #1276

#### Atrial Fibrillation: Outcomes and Management

Monday, March 12, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

019 - Comparative Effectiveness and Safety of NOACs Versus Warfarin For Secondary Stroke Prevention in Atrial Fibrillation: A Nationwide Danish Cohort Study

Peter Brønnum Nielsen, Frede A. Tøgersen, Flemming Skjøth, Mette Søgaard, Torben Bjerregaard Larsen, Greg Lip, Aalborg Thrombosis Research Unit, Aalborg University and Aalborg University Hospital, Aalborg, Denmark

020 - Effectiveness and Safety of NOAC Versus Warfarin in Atrial Fibrillation Patients With Hemorrhagic Stroke

Peter Brønnum Nielsen, Flemming Skjøth, Mette Søgaard, Torben Bjerregaard Larsen, Greg Lip, Aalborg Thrombosis Research Unit, Aalborg University and Aalborg University Hospital, Aalborg, Denmark

021 - Temporal Trend and Predictors of New Onset Post Operative Atrial Fibrillation After Cardiac Valvular Surgery

Abhinav Sood, Mouin Abdallah, Andrew Toth, Milind Desai, Mohamed Kanj, Allan Klein, A. Gillinov, David Majdalany, Cleveland Clinic, Cleveland, OH, USA

022 - Impact of Post-Operative Atrial Fibrillation on Early and Late Outcomes After Proximal Aortic Surgery

Morgan Cox, Muath Bishawi, Uttara Nag, David Ranney, Babatunde Yerokun, Alice Wang, G. Chad Hughes, Duke University, Durham, NC, USA

023 - Anticoagulation, Stroke and Thromboembolism in Patients With Device Detected Atrial Fibrillation: A Systematic Review and Meta-Analysis

Garly Rushler Saint Croix, Michel Ibrahim, Eduardo de Marchena, University of Miami Hospital, Miami, FL, USA, Jackson Memorial Hospital, Miami, FL, USA

024 - Novel Prognostic Biomarkers For Ischemic Stroke in Patients With Atrial Fibrillation Using Multimarker Screening: Insights From the ARISTOTLE Trial

Ziad Hijazi, Tymon Pol, Jonas Oldgren, Johan Lindbäck, John Alexander, Christopher Granger, Renato Lopes, Lars Wallentin, Agneta Siegbahn, Uppsala Clinical Research Center (UCR), Uppsala, Sweden, Uppsala University, Uppsala, Sweden

025 - Association Between Elevated B-Type Natriuretic Peptide, Disease Progression, and Clinical Outcomes Among Patients With Atrial Fibrillation

Taku Inohara, Sunghee Kim, Karen Pieper, Rosalia Blanco, Larry Allen, Gregg C. Fonarow, Bernard Gersh, Michael D. Ezekowitz, Peter Kowey, James A. Reiffel, Gerald Naccarelli, Paul Chan, Kenneth Mahaffey, Daniel Singer, James Freeman, Benjamin Steinberg, Eric D. Peterson, Jonathan Piccini, Duke Clinical Research Institute, Durham, NC, USA

026 - Oral Anticoagulation in Atrial Fibrillation and Anemia: A Report From Danish Nationwide Registries



Anders Nissen Bonde, Gregory Lip, Laila Staerk, Anna Gundlund, Christian Torp-Pedersen, Gunnar Gislason, Jonas Olesen, Department of Cardiology, Gentofte-Herlev Hospital, Copenhagen, Denmark

027 - Optimal Disposition For Atrial Fibrillation Patients Presenting to the Emergency Departments

Margaret Wei, Duc Do, Pok-Tin Tang, Kevin Liu, Michael Merjanian, Lynnell McCullough, Richelle Cooper, Noel Boyle, UCLA Cardiac Arrhythmia Center, Los Angeles, CA, USA, UCLA Department of Emergency Medicine, Los Angeles, CA, USA

028 - Safe Outcomes With Novel Oral Anticoagulants in Obese Patients Undergoing Electrical Cardioversion For Atrial Tachyarrhythmias

Rachel Kaplan, Celso Diaz, Theresa Strzelczyk, Cindy You, Basil Saour, Michelle Fine, Amar Trivedi, Mark Shen, Prasongchai Sattayaprasert, Alexandru Chicos, Rishi Arora, Susan Kim, Albert Lin, Nishant Verma, Bradley Knight, Rod Passman, Northwestern University, Chicago, IL, USA

029 - CHADS-VASc to Predict Readmission to Predict Readmission With New-Onset Atrial Fibrillation, Atrial Flutter, or Acute CVA  
Joshua James Rutland, Karam Ayoub, Gbolahan Ogunbayo, Meera Marji, Steve Leung, Samy Elayi, University of Kentucky, Lexington, KY, USA

030 - Use of Direct Oral Anticoagulants in Dialysis Patients With Atrial Fibrillation in the United States  
Konstantinos Siontis, Ashley Eckard, Nicole Bhavé, Peter Noseworthy, Nilay Shah, Xiaoxi Yao, Kevin He, Austin Stack, Rajesh Balkrishnan, Rajiv Saran, Brahmajee Nallamothu, University of Michigan, Ann Arbor, MI, USA

031 - Comparison of Safety and Effectiveness of the Three Different Direct Oral Anticoagulants, in Nonvalvular Atrial Fibrillation Patients With Antiplatelet Therapy  
Yohei Sotomi, Ryohei Amiya, Akio Hirata, Yoshiharu Higuchi, Osaka Police Hospital, Osaka, Japan

032 - Use of a Dedicated Emergency Room Algorithm For Early Discharge of Atrial Fibrillation Patients  
Amber K. Seiler, Sharyn Young, Donna Carroll, Kelly Peck, Ankit Nanavati, James Allred, ConeHealth, Greensboro, NC, USA

033 - Atrial Fibrillation Associated Hospitalizations in Patients With Diabetes Mellitus in the United States, 2004 - 2014  
Nilay Kumar, Neetika Garg, Justin B. Echouffo-Tcheugui, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

034 - Non-Alcoholic Fatty Liver Disease Is Associated With Onset of Atrial Fibrillation at a Younger Age: A Nationwide Study  
Farid Gholitabar, Shawn Lee, May Bakir, Seyed Hamed Hosseini Dehkordi, Syed Ahsan, Alejandro Lemor, Davendra Mehta, Mount Sinai St. Luke's and Mount Sinai West, New York, NY, USA

035 - Extended Cardiac Monitoring in Patients With Severe Sleep Apnea and No History of Atrial Fibrillation (The Reveal XT-SA Study)  
Cynthia Yeung, Doran Drew, Sharlene Hammond, Gwen Ewart, Damian Redfearn, Christopher Simpson, Hoshair Abdollah,

Benedict Glover, Adrian Baranchuk, Kingston General Hospital, Queen's University, Kingston, Canada

036 - Impact of Body Mass Index and Obesity on Clinical Outcomes in the Edoxaban Versus Warfarin in Subjects Undergoing Cardioversion of Atrial Fibrillation (ENSURE-AF) Randomized Trial

Greg Lip, Jose L. Merino, Maciej Banach, Joris de Groot, Lars Maier, Sakis Themistoclakis, James Jin, Michael Melino, Shannon Winters, Andreas Goette, Institute of Cardiovascular Sciences, University of Birmingham, Birmingham, United Kingdom

037 - Frequent Supraventricular Premature Complexes as a Prediction of Atrial Fibrillation: Systematic Review and Meta-Analysis

Narut Prasitlumkum, Pattara Rattanawong, Nath Limpruttidham, Chanavuth Kanitsoraphan, Pichatorn Suppakitjanusant, University of Hawaii Internal Medicine Residency Program, Honolulu, HI, USA

038 - Factors Associated With Impaired Quality of Life Among Atrial Fibrillation Patients in Real-World Clinical Practice: Insights From the Prospective SPRINT-AF Registry

Andrew C. T. Ha, Christopher Labos, Mahesh Kajil, Michelle Tsigoulis, Jafna Cox, Paul Dorian, G. B. John Mancini, David Gladstone, Evan Lockwood, Ashfaq Shuaib, William Chan, Narendra Singh, Milan Gupta, Canadian Collaborative Research Network, Brampton, Canada

039 - What Factors Influence the Choice of Apixaban, Rivaroxaban, or Dabigatran For Stroke Prevention Among Atrial Fibrillation Patients in Real-World Clinical Practice? Insights From the Prospective SPRINT-AF Registry

Andrew C. T. Ha, Christopher Labos, Mahesh Kajil, Michelle Tsigoulis, Jafna Cox, G. B. John Mancini, Paul Dorian, David Gladstone, Evan Lockwood, Ashfaq Shuaib, William Chan, Narendra Singh, Milan Gupta, Canadian Collaborative Research Network, Brampton, Canada

040 - Prevalence of Sinus Node Dysfunction in Atrial Fibrillation and Their Outcomes

Muhammad H. Gul, Zin Mar Htun, Ayesha Banu, Ahmad Jan Sayed Tauseef, Htar Aye, Jain Puja, Sameer Saleem, Aung Khine Lwin, Nauman Shaukat, Khan Z. Muhammad, Kamran Khan, Muhammad Imran, Tariq Khan, Saint Joseph Hospital, Chicago, IL, USA, Louis A. Weiss Memorial Hospital, Chicago, IL, USA

041 - Direct Comparison of Safety and Effectiveness of the Three Different Direct Oral Anticoagulants in 1785 Patients With Nonvalvular Atrial Fibrillation

Yohei Sotomi, Akio Hirata, Tomoaki Nakano, Ryohei Amiya, Nobuhiko Makino, Masao Koide, Takaharu Hayashi, Shimpei Nakatani, Yasuharu Takeda, Yoshiharu Higuchi, Osaka Police Hospital, Osaka, Japan

042 - Cryoballoon Ablation For the Treatment of Atrial Fibrillation: A Systematic Review and Meta-Analysis

Nirav Patel, Abhishek Shenoy, William Baker, Amgad Makaryus, Nabil El-Sherif, Hartford Hospital, Hartford, CT, USA

043 - Effects of Obstructive Sleep Apnea on the Outcomes of Atrial Fibrillation: A Nationwide Analysis



Seyed Hamed Hosseini Dehkordi, Navid Gholitabar, Farid Gholitabar, Syed A. Ahsan, Shawn Lee, Alejandro Lemor, May Bakir, Davendra Mehta, Icahn School of Medicine at Mount Sinai St. Luke's West Hospital Center, New York, NY, USA

044 - The Effect of Obstructive Sleep Apnea on In-Hospital Outcomes of Patients With Atrial Fibrillation  
Mario Rodriguez, Basera Sabharwal, Chayakrit Krittanawong, Valeria Santibañez, Saman Setareh-Shenas, Eyal Herzog, Icahn School of Medicine at Mount Sinai St. Luke's Hospital, New York, NY, USA

046 - Understanding Unanticipated Cancellations of Elective Cardioversions at a High Volume Electrophysiology Lab  
Cameron Lambert, Joseph Bumgarner, Khaldoun Tarakji, Cleveland Clinic Foundation, Cleveland, OH, USA

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1308M

#### New Insights Into Device Therapy

**Monday, March 12, 2018, 9:45 a.m. - 10:30 a.m.**  
**Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall A/B**  
**CME Hours: /CNE Hours:**

ACC Poster Moderator: Jeanne E. Poole  
ACC Poster Moderator: Niraj Varma

9:45 a.m.  
Cessation of Pacing in Super-Responders of Cardiac Resynchronization Therapy: A Randomized Controlled Trial  
Yixiu Liang, Qingqing Wang, Yangang Su, Junbo Ge, Department of Cardiology, Shanghai Institute of Cardiovascular Diseases, Zhongshan Hospital, Shanghai, People's Republic of China

9:55 a.m.  
Question and Answer

10:00 a.m.  
Closed-Looped Stimulation Pacing For the Prevention of Recurrent Vasovagal Syncope: A Systematic Review and Meta-Analysis  
Pattara Rattanawong, Tanawan Riangwiwat, Pakawat Chongsathidkiet, Wasawat Vutthikraivit, Nath Limpruttidham, Narut Prasitlunkum, Napatt Kanjanahattakij, Chanavuth Kanitsoraphan, University of Hawaii Internal Medicine Residency Program, Honolulu, HI, USA

10:10 a.m.  
Question and Answer

10:15 a.m.  
Effect of Chronic Kidney Disease on Left Atrial Appendage Occlusion Outcome: A Single-Centre Retrospective Analysis  
Chak Yu So, Gary S. H. Cheung, Christy K. Y. Chan, Kelvin K. H. Kam, Anna K. Y. Chan, Sylvia S. W. Au, Simon K. C. Chan, Y. Y. Lam, Alex P. W. Lee, Bryan P. Y. Yan, Chinese University of Hong Kong, Hong Kong, Hong Kong, Prince of Wales Hospital, Hong Kong, Hong Kong

10:25 a.m.  
Question and Answer

### Arrhythmias and Clinical EP - Hands-on Skills Learning Session #1543

**Hands-On Simulation Skills Training: Clinical Judgement Challenge Station . . . Body Interact Simulation Platform**  
**Monday, March 12, 2018, 10:45 a.m. - 11:45 a.m.**

**Personalized Skills and Simulation Center: Lounge & Learn, Hall C**  
**CME Hours: /CNE Hours:**

10:45 a.m.  
Faculty: Clinical Judgement Challenge Station  
Sohah Iqbal  
New York, NY

### Arrhythmias and Clinical EP - Scientific Session #729

#### Anticoagulation Challenges in Patients With Dysrhythmias

**Monday, March 12, 2018, 10:45 a.m. - 12:15 p.m.**  
**Room 314 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Michael D. Ezekowitz  
Co-Chair: Sarah A. Spinler  
Panelist: Lin Yee Chen  
Panelist: Tyler J. Gluckman  
Panelist: Thomas M. Maddox  
Panelist: Renate B. Schnabel

10:45 a.m.  
Case Challenge: How Much AF Requires OAC?  
Elaine Y. Wan  
New York, NY

10:50 a.m.  
ARS and Panel Discussion

11:00 a.m.  
AF Burden and Risk of Stroke: How Little AF Is "Safe" Without OAC  
Lin Yee Chen  
Minneapolis, MN

11:05 a.m.  
ARS and Panel Discussion

11:15 a.m.  
Case Challenge: Which DOAC for My Patient With CKD?  
Jonathan P. Piccini  
Durham, NC

11:20 a.m.  
ARS and Panel Discussion

11:30 a.m.  
Case Challenge: Intersection of Antiplatelets and Anticoagulation  
Tyler J. Gluckman  
Portland, OR

11:35 a.m.  
ARS and Panel Discussion

11:45 a.m.  
State of the Art Talk: Management of Stroke Prevention in Patients With CAD



Greg C. Flaker  
Columbia, MO

12:05 p.m.  
ARS and Panel Discussion

**Arrhythmias and Clinical EP - International Session #526**  
**Sudden Cardiac Death: The Asian Perspective: International Perspectives from the ACC China Chapter, Singapore Cardiac Society, and American College of Cardiology**

**Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.**  
**Room 304 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Richard J. Kovacs  
Co-Chair: Dayi Hu  
Co-Chair: Jack Wei Chieh Tan

12:30 p.m.  
Introduction to Session  
Richard J. Kovacs  
Indianapolis, IN

12:35 p.m.  
Progress in the Prevention and Treatment of Sudden Cardiac Death in China  
Dayi Hu  
Beijing, China

12:47 p.m.  
Sudden Cardiac Death: Are we Underserving?  
Ching Chi Keong  
Singapore, Singapore

12:59 p.m.  
Role of ECG Monitoring in Sudden Cardiac Death Prevention  
Changsheng Ma  
Beijing, China

1:11 p.m.  
Barriers to ICD Adoption in Asia-Pacific Region  
Toon Wei Lim  
Singapore, Singapore

1:23 p.m.  
Discussion

**Arrhythmias and Clinical EP - Scientific Session #744**  
**What's New for 2018? A Case-Based Discussion of Atrial Arrhythmias**

**Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.**  
**Room 314 A**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Mitchell N. Faddis  
Co-Chair: Cara Pellegrini

12:30 p.m.  
AV Node Reentry: What Is It and Is It Always Curable?

Melvin M. Scheinman  
San Francisco, CA

12:40 p.m.  
Question and Answer With ARS

12:45 p.m.  
PACs, Atrial Tachycardia, and Focal Atrial Fibrillation - All One Disease?  
Jonathan P. Piccini  
Durham, NC

12:55 p.m.  
Question and Answer With ARS

1:00 p.m.  
Accessory pathways: Risk Stratification and Ablation for the Difficult Case  
Komandoor Srivathsan  
Phoenix, AZ

1:10 p.m.  
Question and Answer With ARS

1:15 p.m.  
Atrial Flutter: Does It Ever Occur Without Atrial Fibrillation?  
David J. Callans  
Philadelphia, PA

1:25 p.m.  
Question and Answer With ARS

1:30 p.m.  
SVT With Structural Heart Disease  
Usha B. Tedrow  
Boston, MA

1:40 p.m.  
Question and Answer With ARS

**Arrhythmias and Clinical EP - Scientific Session #745**  
**Managing Premature Ventricular Contractions: Myths, Facts, and Revolutionary Techniques**  
**Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.**  
**Room 311 E**  
**CME Hours: 1.25 /CNE Hours: 1.25**

Co-Chair: Melissa R. Robinson  
Co-Chair: Parikshit S. Sharma  
Panelist: Yong-Mei Cha  
Panelist: Phillip S. Cuculich  
Panelist: Jose Huizar  
Panelist: Pasquale Santangeli

12:30 p.m.  
Clinical Syndromes and Epidemiology to Guide Evaluation of the Patient With PVCs  
Jose Huizar  
Richmond, VA

12:42 p.m.  
Panel Discussion





12:48 p.m.

What Are Best Practices for Drug Therapy of PVCs in 2018?

Yong-Mei Cha

Rochester, MN

1:00 p.m.

Panel Discussion

1:06 p.m.

Pearls and Pitfalls of Catheter Ablation of PVCs

Pasquale Santangeli

Philadelphia, PA

1:18 p.m.

Panel Discussion

1:24 p.m.

The Future of PVC Management: Fully Noninvasive Treatment

Phillip S. Cuculich

Saint Louis, MO

1:36 p.m.

Panel Discussion

### Arrhythmias and Clinical EP - Moderated Poster Contributions

#### Session #1317M

#### New Developments in Arrhythmias

**Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.**

**Arrhythmias and Clinical EP Moderated Poster Theater, Poster Hall, Hall A/B**

**CME Hours: /CNE Hours:**

ACC Poster Moderator: Noel G. Boyle

ACC Poster Moderator: Roy M. John

12:30 p.m.

Characteristics of Cardiac Arrest and Bystander Resuscitation

Within Outpatient Dialysis Clinics in North Carolina

Patrick Hank Pun, Matthew Dupre, Monique Anderson, Steen M.

Hansen, Clark Tyson, Brian Frizzelle, Kimberly Vellano, James

Jollis, Bryan McNally, Christopher Granger, Duke Clinical Research

Institute, Durham, NC, USA, Duke University School of Medicine,

Durham, NC, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Challenging Voltage Mapping For Scar Dechanneling in a Large Animal Model of Myocardial Infarction

Tobias Plenge, Johannes Terporten, Alexandra Maul, Arian Sultan,

Jakob Lueker, Jan van den Bruck, Anja Sterner-Kock, Daniel

Steven, Dennis Ladage, University Heart Center Cologne, Cologne,

Germany

12:55 p.m.

Question and Answer

1:00 p.m.

Risk of Arrhythmia and Conduction Disease in Former National Football League Players

Philip Aagaard, Shishir Sharma, David McNamara, Elizabeth Hill,

Colby Ayers, James Gentry, Andrew E. Lincoln, Alexander Kezia,

Reginald Dunn, Andrew Tucker, Parag Joshi, Dermot Phelan, Heart

and Vascular Institute, Cleveland Clinic Foundation, Cleveland,

OH, USA, University of Texas Southwestern Medical Center,

Dallas, TX, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Application of Artificial Intelligence to the Standard 12 Lead ECG to Identify People With Left Ventricular Dysfunction

Zachi Itzhak Attia, Suraj Kapa, Francisco Lopez-Jimenez, Paul

McKie, Dorothy Ladewig, Gaurav Satam, Patricia Pellikka, Thomas

Munger, Samuel Asirvatham, Serban Dronca, Christopher Scott,

Rickey Carter, Paul Friedman, Mayo Clinic, Rochester, MN, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Sinus Rhythm Prior to Catheter Ablation Positively Impacts

Ablation Outcome in Non-Paroxysmal Atrial Fibrillation Patients

Sanghamitra Mohanty, Prasant Mohanty, Chintan Trivedi, Carola

Gianni, Domenico Giovanni Della Rocca, John Burkhardt, Javier

Sanchez, Patrick Hranitzky, Gerald Gallinghouse, Amin Al-Ahmad,

Rodney Horton, Luigi Di Biase, Andrea Natale, Texas Cardiac

Arrhythmia Institute, Austin, TX, USA

1:40 p.m.

Question and Answer

### Arrhythmias and Clinical EP - Gaming

#### Session #6011

**Engage @ACC.18 Studio: ECG Quiz Bowl. Are You Smarter Than the EP Expert?**

**Monday, March 12, 2018, 1:00 p.m. - 2:00 p.m.**

**Engage@ ACC.18 Studio, Hall A/B**

**CME Hours: 1 /CNE Hours: 1**

Co-Chair: Peter A. A. Brady

Co-Chair: Paul Wang

1:00 p.m.

ECG Expert

Adrian Baranchuk

Hamilton, Canada

1:00 p.m.

Question and Answer

1:00 p.m.

ECG Expert

Bruce D. Lindsay

Cleveland, OH

1:00 p.m.

Question and Answer

1:00 p.m.

ECG Expert



Jane Chen  
Oviedo, FL

1:00 p.m.  
Question and Answer

1:00 p.m.  
ECG Expert  
Kousik Krishnan  
Chicago, IL

**Arrhythmias and Clinical EP - Scientific Session #759**  
**Controversies and Conversations in Device Management**  
**Monday, March 12, 2018, 2:00 p.m. - 3:30 p.m.**  
**Room 314 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Marye J. Gleva  
Co-Chair: Kristen K. Patton  
Panelist: Selcuk Adabag  
Panelist: Sana M. Al-Khatib  
Panelist: Valentina Kutyifa  
Panelist: Wayne C. Levy  
Panelist: Andrea M. Russo

2:00 p.m.  
Case Presentation: Patient With ICD at End-Replacement With Recovered EF, How Should the ICD Be Managed?  
Selcuk Adabag  
Minneapolis, MN

2:08 p.m.  
Panel Discussion With ARS

2:18 p.m.  
Case Presentation: Patient With Non-LBBB Morphology, How Do You Decide on CRT and Discuss Pros and Cons?  
Valentina Kutyifa  
Rochester, NY

2:26 p.m.  
Panel Discussion With ARS

2:36 p.m.  
Case Presentation: Patient With Nonischemic Cardiomyopathy and EF < 35%; Is An ICD Indicated, and How Do You Present This to the Patient?  
Sana M. Al-Khatib  
Durham, NC

2:44 p.m.  
Panel Discussion With ARS

2:54 p.m.  
Case Presentation: Patients With and Without Competing Causes of Death - Who Might Not Benefit? And What Do You Say?  
Wayne C. Levy  
Shoreline, WA

3:03 p.m.  
Panel Discussion With ARS

3:13 p.m.  
How We Can Better Use the Data We Have to Improve CIED Care for Patients?  
Andrea M. Russo  
Moorestown, NJ

3:21 p.m.  
Panel Discussion With ARS

**Arrhythmias and Clinical EP - Scientific Session #760**  
**Return to Play for Athletes With Cardiovascular Disease: Radical Changes in the 2015 Eligibility Guidelines**  
**Monday, March 12, 2018, 2:00 p.m. - 3:30 p.m.**  
**Room 312 C**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: Rachel J. Lampert  
Co-Chair: Kevin Kwaku  
Panelist: Kimberly Harmon  
Panelist: Richard J. Kovacs  
Panelist: Jane A. Linderbaum  
Panelist: Jordan Prutkin  
Panelist: Meagan Murphy Wasfy

2:00 p.m.  
New Data on Athletes With Arrhythmic Disease: LQTS, ICDs and CPVT  
Michael J. Ackerman  
Rochester, MN

2:15 p.m.  
Panel Discussion: What Would You Do or What Would Your Institution Do?

2:30 p.m.  
Athletes With ARVC and HCM: What Data Do We Have, What Do We Need?  
Aaron L. Baggish  
Boston, MA

2:45 p.m.  
Panel Discussion: What Would You Do or What Would Your Institution Do?

3:00 p.m.  
New Paradigms for Thinking About Risk - Are We Ready for the Discussion?  
Claudio Gil S. Araujo  
Rio de Janeiro/RJ, Brazil

3:15 p.m.  
Panel Discussion: What Would You Do or What Would Your Institution Do?

**Arrhythmias and Clinical EP - Core Curriculum Session #818**  
**Afib Pharmacologic Options Versus Interventions**  
**Monday, March 12, 2018, 2:00 p.m. - 3:30 p.m.**  
**Room 207 A**  
**CME Hours: 1.5 /CNE Hours: 1.5**

Chair: Dhanunjaya R. Lakkireddy



2:00 p.m.

Afib: Drug Therapy versus Catheter Ablation  
Javier E. Banchs  
Temple, TX

2:20 p.m.

Afib Anticoagulation: Choosing the Right Agent  
Mahmoud Houmsse  
Dublin, OH

2:40 p.m.

Percutaneous LAA Closure: Selecting the Right Patient  
Marie-Noelle S. Langan  
New York, NY

3:00 p.m.

ARS Questions  
Dhanunjaya R. Lakkireddy  
Leawood, KS

3:01 p.m.

Panel Discussion Moderator  
Dhanunjaya R. Lakkireddy  
Leawood, KS

3:01 p.m.

Panel Discussion with Question and Answer

### Arrhythmias and Clinical EP - Self-Assessment

#### Session #819

#### Test Your Knowledge: ABIM 2017-2018 Update in Clinical Cardiac Electrophysiology

**Monday, March 12, 2018, 3:00 p.m. - 5:30 p.m.**

**Room 304 G**

**CME Hours: 2.5 /CNE Hours: 2.5**

Chair: Mark S. Link

3:00 p.m.

Faculty  
Rajat Deo  
Philadelphia, PA

3:00 p.m.

Faculty  
Shirley Park  
94305, CA

3:00 p.m.

Faculty  
Usha B. Tedrow  
Boston, MA

### Arrhythmias and Clinical EP - ACC Section Highlights

#### Session #1400

#### Electrophysiology Section Highlights for ACC.18

**Monday, March 12, 2018, 3:45 p.m. - 5:15 p.m.**

**Room 314 A**

**CME Hours: 1.5 /CNE Hours: 1.5**

Co-Chair: John D. Fisher

Co-Chair: Bulent Gorenek

Panelist: Adrian Baranchuk

Panelist: Kousik Krishnan

Panelist: Mina K. Chung

Panelist: Dhanunjaya R. Lakkireddy

3:45 p.m.

Welcome and Introduction

3:48 p.m.

Panel Discussion with Audience Q&A: Panning for Gold at the Frontier of Science: Abstract and Poster Session Highlights

3:58 p.m.

Panel Discussion with Audience Q&A: The Low-down on AF and Prevention of Stroke: What are the Latest Management Trends?

4:08 p.m.

Panel Discussion with Audience Q&A: Most Important Take Home Messages from New Arrhythmia Management Guidelines

4:18 p.m.

Panel Discussion with Audience Q&A: Highlights in Arrhythmia Management - Ablation or Non-CIED Management

4:28 p.m.

Panel Discussion with Audience Q&A: Highlights in Devices

4:38 p.m.

Panel Discussion with Audience Q&A: Highlights From the Digital Platform

4:50 p.m.

Panel Discussion with Audience Q&A: Predicting the Future - Clinical Trials and Studies Most Likely to Impact Practice

4:55 p.m.

Panel Discussion with Audience Q&A: Identifying the Sources - Translational or Basic Science Most Likely to Impact Practice

5:00 p.m.

Panel Discussion with Audience Q&A: Most Intriguing Themes Emerging in the Field

5:05 p.m.

Panel Discussion with Audience Q&A: Most Important Things I Learned

5:10 p.m.

Panel Discussion with Audience Q&A: Most Unexpected Thing I Learned