

## PAUL DUDLEY WHITE INTERNATIONAL SCHOLARS

The Paul Dudley White International Scholar Award recognizes authors that contributed to the highest ranked accepted abstract from each country that submitted abstracts to a scientific meetings. Dr. Paul Dudley White was one of the founders of the American Heart Association and championed global cardiovascular health strategies.

### Quality of Care and Outcomes Research Scientific Sessions 2021

Country	Author Block	Publishing Title
Australia	<b>Linh Thi Ngo</b> , Anand N. Ganesan, Billingsley Kaambwa, Richard Woodman, Karen Hay, Isuru Ranasinghe	Excess Healthcare Costs and Bed Days Associated With Complications Following Catheter Ablation of Atrial Fibrillation
Canada	<b>Christian Vincelette</b> , Philippe Voizard, François Martin Carrier, Sokoloff Catalina	The Long-Term Residual Chest Compression Performance Following a Novel Chest Compression Training: A Cohort Study
China	<b>Danwei Zhang</b> , Jianyu Qu, Zhe Zheng	Trends and Variation of Red Blood Cell Transfusion in Coronary Artery Bypass Grafting in China, 2014-2019
Denmark	<b>Anders B. Damholt</b> , Nina Loen, Sara Engel, Anne Haaber, Anja Wellejus, Filip K. Knop	The Probiotic Bifidobacterium breve, Bif195, Supports the Defense Against Aspirin-Induced Gastrointestinal Mucosal Damage
France	<b>Fabrice Pottier</b> , Charles Groizard, Gégory Briche, Nicolas Haraczaj, Maxime Garnier, Vinciane Loones, Anna Ozguler, Michel Baer, Geraldine Baer, Thomas Loeb	Personal Protective Equipment and Doffing Procedures in Out-of-Hospital Practice: Assessment With a Contamination Simulation
Israel	<b>Igal Iancu</b> , Boris Draznin	Treatment of Hyperlipidemia: Assessment of Providers' Competency With Edocate® Virtual Patient Simulation Application
Korea, Republic of	<b>Young Woo Kim</b> , Junhong Kim, Hyeong Jun Lee, Joon Sang Lee	Integrated Coronary Vascular Disease Diagnosis System Based on Two-Step Neural Network Algorithm Trained by Synthetic Model and Patient Biometric Features
United Arab Emirates	<b>Yosef Manla</b> , Amani Khalouf, Maria-Fernanda Bonilla, Mohammed Khalil, Wael Almahmeed, Feras Bader, Firas Al Badarin	Utilization and Diagnostic Yield of Cardiovascular Imaging in Hospitalized COVID- 19 Patients
United Kingdom	<b>Lydia Spurr</b> , Hui-leng Tan, Ruth Wakeman, Michelle Chatwin, Anita Simonds	Psychosocial Impact of Risk Mitigation Strategies and Shielding From COVID-19 in Adults and Children With Early-Onset Neuromuscular Disease and Their Families
United States	<b>R. Angel Garcia</b> , John Spertus, Philip Jones, Daniel B. Mark, Jonathan D. Newman, Sripal Bangalore, William E. Boden II, Gregg W. Stone, Harmony Reynolds, Judith S. Hochman, David J. Maron	Association of Medical Non-Adherence to Health Status Outcomes in the ISCHEMIA Trial
United States	<b>R. Angel Garcia</b> , Scott D. Rothenberger, Bea H. Belnap, Philip Jones, Bruce L. Rollman, John Spertus	The Association of Health Literacy With Health Status Outcomes in Heart Failure Patients
United States	<b>Andrew Ward</b> , Fatima Rodriguez, Donghyun Lee, Sanchit Gad, Robert Beetel, Robert A. Harrington, Salim S. Virani, John Rumsfeld, Rajesh Dash	Machine Learning-Enhanced Determinants of Oral Anticoagulation in Atrial Fibrillation: Findings From the PINNACLE Registry

## Resuscitation Science Symposium 2021

Country	Author Block	Publishing Title
Australia	<b>Ziad Nehme</b> , Emily Andrew, Jocasta Ball, Karen Louise Smith	Long-term Trends in the Incidence and Outcome of Refractory and Non-refractory Ventricular Fibrillation Cardiac Arrest
Brazil	<b>Fabricio Furtado</b> , Manoel Canesin, Rodrigo Gonçalves, Dirceu Almeida, Iran Gonçalves Jr., Sergio Timerman	Comparison Between Advanced Cardiovascular Life Support Course and a New Emergency Cardiovascular Care Course for Developing Countries
Canada	<b>Mahbod Rahimi</b> , Paul Dorian, Sheldon Cheskes, Gerald Lebovic, Steve Lin	The Effect of Time to Treatment With Antiarrhythmic Drugs on Return of Spontaneous Circulation in Shock Refractory Out-of-Hospital Cardiac Arrest: A Secondary Analysis of the ALPS Randomized Controlled Trial
China	<b>Min Yang</b> , Hui Li, Wu Jiatian, Hua Tianfeng	Ivabradine Attenuates Hypoxia/reoxygenation-induced Excessive Autophagy in H9c2 Cardiomyocyte by Modulation of the PI3K/Akt/mTOR Pathway
Colombia	<b>Camilo L. Sandoval</b> , Jose Julio Gutiérrez, Mikel Leturiondo, Koldo Redondo, Bilbao, Spain; James K. Russell, Mohamud R. Daya, Sofia Ruiz De Gauna	A Simple Model to Describe the Relationship Between Compression Force and Depth During CPR
Czech Republic	<b>Daniel Rob</b>	Immediate Percutaneous Coronary Intervention in Patients With Refractory Out of Hospital Cardiac Arrest
Denmark	<b>Martin A. Meyer</b> , Mette Bjerre, Sebastian Wiberg, Johannes Grand, Anna Sina P. Meyer, Laust E. Obling, Jesper Kjaergaard, Christian Hassager	Changes in Cytokine Responses by Treatment With Tocilizumab After Out-of-Hospital Cardiac Arrest – A Sub Study of the IMICA Trial
France	<b>Renaud Tissier</b> , Yael Levy, Alice Hutin, Nicolas Polge, Fanny Lidouren, Matthias Kohlhauer, Rocio Fernandez Para, Pierre-Louis Leger, Guillaume Debaty, Keith G. Lurie, Lionel Lamhaut, Bijan Ghaleh	High Mean Arterial Pressure Aggravates Cerebral Hemodynamics After Extracorporeal Resuscitation in Swine
Ireland	<b>Eithne Heffernan</b> , Dylan Keegan, Jenny Mc Sharry, Tomas Barry, Andrew Murphy, David Menzies, Cathal O'Donnell, Siobhan Masterson	Out-of-Hospital Cardiac Arrest and Community First Response: Identifying Data Collection and Analysis Priorities via the Nominal Group Technique
Italy	<b>Aurora Magliocca</b> , Carlo Perego, Francesca Motta, Giulia Merigo, Francesca M. Fumagalli, Edoardo Micotti, Roberto Latini, Giuseppe Ristagno	Modulation of Kynurenine Pathway to Prevent Brain Injury After Cardiac Arrest and Cardiopulmonary Resuscitation in Mice
Japan	<b>Aya Katasako</b> , Shoji Kawakami, Hidenobu Koga, Kenichi Kitahara, Keiichiro Komiya, Komei Mizokami, Tetsuhisa Yamada, Nobutoshi Miura, Shujiro Inoue	The Association Between Thoracic Injuries Due to Chest Compression and Short-term Prognosis in Patients with Non-traumatic Out-of-Hospital Cardiac Arrest
Korea, Republic of	<b>Hogul Song</b> , Yeonho You, Changshin Kang, Jung Soo Park	Variance of the Intracranial Pressure Over Time and Relationship With Neurologic Prognosis in Cardiac Arrest Survivors Who Underwent Targeted Temperature Management

Country	Author Block	Publishing Title
Norway	<b>Eirik Unneland</b> , Anders Norvik, Shaun McGovern, David Buckler, Unai Irusta, Abhishek Bhardwaj, Elisabete Aramendi, Trond Nordseth, Benjamin Abella, Dana P. Edelson, Jan Terje Kvaloy, Eirik Skogvoll	Outcomes of Primary and Secondary Pulseless Electrical Activity During In-hospital Cardiac Arrest
Singapore	<b>Cherylyn Hui Xin Toh</b> , Shir Lynn Lim, Yazid Muhammad, Nur Shahidah, Qin Xiang Ng, Andrew Ho, Shalini Arulanandam, Benjamin Sieu-Hon Leong, Alexander White, Marcus E. Ong	Impact of Covid-19 on Barriers to Dispatcher-assisted Cardiopulmonary Resuscitation in Adult Out-of-Hospital Cardiac Arrests in Singapore
Switzerland	<b>Evelien Cools</b> , Marie Meyer, Tomasz Darocha, Monika Brodmann Maeder, Peter Mair, Beat Walpoth	Hypothermic Cardiac Arrest: A Retrospective Cohort Study From the International Hypothermia Registry
Taiwan	<b>Tsung-Chien Lu</b> , Eric H. Chou, Chih-Hung Wang, Amir Mostafavi, Mario Tovar, John Garrett, Toral Bhakta, Chu-Lin Tsai, Matthew H. M. Ma	Machine Learning to Predict In-hospital Cardiac Arrest in Patients Admitted From the Emergency Department With COVID-19 and Suspected
United Kingdom	<b>Nadia Akawi</b> , Antonio Checa, Ioannis Akoumianakis, Shakil Farid, Vivek Srivastava, George Krasopoulos, Keith M. Channon, Craig Wheelock, Signe Sørensen Torekov, Charalambos Antoniades	Liraglutide Improves Myocardial Redox State in Humans by Regulating the Adipose Tissue-derived Long-chain Ceramides
United States	<b>James M. Gray</b> , Tia T. Raymond, Dianne L. Atkins, Ken Tegtmeier, Dana Erika Niles, Vinay M. Nadkarni, Maya Dewan	Prevalence of Inappropriate Defibrillation Attempts During Pediatric In-hospital Cardiac Arrest
Viet Nam	<b>Chinh Quoc Luong</b> , Son Ngoc Do, Dung Thi Pham, My Ha Nguyen, Tra Thanh Ton, Quoc Trong Ai Hoang, Dat Tuan Nguyen, Thao Thi Ngoc Pham, Hanh Trong Hoang, Dai Quoc Khuong, Quan Huu Nguyen, Tuan Anh Nguyen, Tung Thanh Tran, Long Duc Vu, Chi Van Nguyen, Bryan Francis McNally, Marcus Eng Ong, Anh Dat Nguyen	Outcomes After Traumatic Out-of-Hospital Cardiac Arrest in Vietnam: A Multicenter Prospective Cohort Study

## Scientific Sessions 2021

Country	Author Block	Publishing Title
Argentina	<b>Ettorino Di Tommaso</b> , Lauren K. Dixon, Arnaldo Dimagli, Shubhra Sinha, Manraj Sandhu, Gianni Angelini, Benedetto Umberto	Impact of Sex on Outcomes After Cardiac Surgery: A Systematic Review and Meta-Analysis
Australia	<b>Edmond Wong</b> , John Z. Xie, Kevin Rajakariar, Kevin Masman, Joris Mekel, Voltaire Nadurata	The Use of Cardiac Device Remote Monitoring in the Covid-19 Era of Telehealth Outpatient Medicine
Austria	<b>Attila Kiss</b> , Eylem Acar, Zsuzsann Kovács, Simon Watzinger, Fanni Márványkövi, Gergő Szócs, Andrea Siska, Imre Földesi, András Kriston, Ferenc Kovács, Péter Horváth, Bence Kővári, Gábor Cseri, Tamás Csont, Márta Sárközy, Bruno K. Podesser	Neuregulin-1 $\beta$ Improves Uremic Cardiomyopathy and Renal Function in Rats
Bangladesh	<b>Jewel Rana</b> , Townim Faisal Chowdhury, Shafin Rahman, John Oldroyd, Rakibul Islam	Artificial Neural Network Models for Lipid Profile Prediction in the US General Population
Barbados	<b>Natasha Sobers</b> , Shelly-ann Forde, Ian Hambleton, Ashley Henry, Nicolette Roachford, Abigail Robinson, Martinette Forde, Rudolph Delice, Angela M. Rose	Increasing Incidence Rates and High Case Fatality Rates for Acute Myocardial Infarction in the Caribbean Island of Barbados
Belgium	<b>Stijn Van Bruggen</b> , Kimberly Martinod, Thilo Witsch, Liesbeth Frederix, Paolo Carai, Jore Van Wauwe	Neutrophil <i>Peptidylarginine Deiminase 4</i> is Essential for Detrimental Age-Related Cardiac Remodeling in Mice
Benin	<b>Gwladys Gbaguidi</b> , Audrey Kaboure, Corine Houehanou, Salimanou Amidou, Victor Aboyans	Inter-Arm Difference in Systolic Blood Pressure: Prevalence and Associated Factors in an African Population
Brazil	<b>Fernanda Marcelina Silva</b> , Luana Giatti, Luisa C. Brant, Maria de Fatima Haueisen Sander Diniz, Sandhi Maria Barreto	Dairy Products Consumption and Cardiovascular Mortality - Results from the Brazilian Longitudinal Study of Adult Health Cohort
Canada	<b>Victoria Toro</b> , Yann Grobs, Olivier Boucherat, Sandra Martineau, Francois Potus, Sebastien Bonnet, Valerie Nadeau, Eve Tremblay	Cardiopulmonary Best Abstract Award: Bmpr2 Mutation and Breast Cancer a Discovery Still Unexplained
China	<b>Haiming Yang</b> , Yueqing Wang, Meng Xiao, Yuxuan Zhao, Mingyu Song, Huan Yu, Chunxiao Liao, Yuanjie Pang, Canqing Yu, Wenjing Gao, Shengxu Li, Tao Huang, Jun Lv, Wei Chen, Lu Qi, Liming Li, Dianjianyi Sun	Phenotypic Age Mediates the Effects of Life's Simple 7 on Reduced Mortality Risk in the US Adults
Colombia	<b>Ramon Medina</b> , Frida T. Manrique, Diana Vargas Vergara, Lorena González Russi, Julian Forero, Jorge Fajardo, Juan José Diaztagle, Josep Brugada, Alejandro Olaya, Andrés Díaz, Hector M. Medina	Accuracy of Trans-Thoracic Echocardiography vs. Cardiac Magnetic Resonance for Assessment of Ventricular Aneurysms in Patients With Chagas Disease
Czech Republic	<b>Peter Wohlfahrt</b> , Vojtech Melenovsky, Vendula Novosadova, Dominik Jenca, Jolana Mrazkova, Marek Sramko, Michael Zelizko, Martin Kotrc, Ashkan Zareie, Carlos Eduardo Madureira Trufen, Jan Pitha, Vera Adamkova, Josef Kautzner, Petr Jarolim	A Network Analysis to Identify Pathophysiological Pathways Associated with Systolic Function Recovery After Myocardial Infarction

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Denmark	<b>Alex Hoerby Christensen</b> , Christoffer Vissing, Sofie Villumsen, Adrian Pietersen, Jacob Tfelt-hansen, Thomas Jensen, Morten Olesen, Steen Pehrson, Finn L. Henriksen, Niels Sandgaard, Kasper Iversen, Henrik Jensen, Henning Bundgaard	Electrocardiographic Findings and Arrhythmias in Patients With Familial ST-Depression Syndrome
Denmark	<b>Kristoffer Grundtvig Skaarup</b> , Mats H. Lassen, Niklas Dyrby Dyrby Johansen, Morten Sengeløv, Flemming J. Olsen, Gorm Boje Boje Jensen, Peter Schnohr, Amil M. Shah, Scott D. Solomon, Rasmus Mogelvang, Tor Biering-Sørensen	The Prognostic Value of Global Circumferential Strain is Modified by Left Ventricular Ejection Fraction Regarding Cardiac Events: The Copenhagen City Heart Study
Dominican Republic	<b>Grisel Canahuate</b> , Amparo Taveras Hiraldo, Eleana Rivera, Saray Perez, Miguel Arias	Right Ventricular's Strain Behavior in Patients Treated With Chemotherapy / Radiotherapy in a Patient Cohort
Egypt	<b>Omneya A. Kandil</b> , Karam R. Motawea, Merna M. Aboelenein, Jaffer Shah	Polypills for Primary Prevention of Cardiovascular Disease: A Systematic Review and Meta-Analysis of Clinical Trials
Ethiopia	<b>Lemlem Demisse</b> , Bekele Alemayehu, Adamu Addissie, Rebecca Gary	Knowledge, Attitudes, Beliefs of Acute Coronary Syndrome Among Ethiopian Patients Diagnosed With Acute Coronary Syndrome
Finland	<b>Jouko Nurkkala</b> , Anni Kauko, Hannele Laivuori, Saarela Tanja, Jaakko Tyrmi, Susan Cheng, Jenni Aittokallio, Teemu Niiranen	Association of Polygenic Risk Scores for Pre-Eclampsia and Blood Pressure with Hypertensive Pregnancy Disorders
France	<b>Christian Spaulding</b> , Caroline Hauw-Berlemont, Lionel Lamhaut, Jean-Luc Diehl, Christophe Andreotti, Olivier Varenne, Pierre Leroux, Jean Baptiste Lascarrou, Patrice Guerin, Eric Roupie, Cedric Daubin, Farzin Beygui, Aurelie Vilfaillot, Sophie Glippa, Juliette Djadi-Prat, Gilles Chatellier, Alain Cariou	Emergency versus Delayed Coronary Angiogram in Survivors of Out-of-Hospital Cardiac Arrest Without ST Segment Elevation: Results of the EMERGE Trial
Germany	<b>Lars Saemann</b> , Matthias Kohl, Gábor Veres, Sevil Korkmaz-Icoez, Matthias Karck, Andreas Simm, Folker Wenzel, Gabor Szabo	Machine Learning Discovers a Prediction Model for Contractile Function of Circulatory Death Donor Hearts Based on Microvascular Flow Shifts During Ex-Situ Hypothermic Cardioplegic Machine Perfusion
Germany	<b>Jes-Niels Boeckel</b> , Maximilian Nicolas Moebius- Winkler, Marion Müller, Sabine Rebs, Nicole Eger, Laura Schoppe, Rewatti Tappu, Karoline Elizabeth Kokot, Jasmin Marga Kneuer, Susanne Gaul, Diana Martins Bordalo, Alain Lai, Jan Haas, Mahsa Ghanbari, Philipp Drewe-Boss, Martin Liss, Hugo A. Katus, Uwe Ohler, Michael Gotthardt, Ulrich Laufs, Katrin Streckfuß-Bömeke, Benjamin Meder	Characterization of the Novel Cardiac Splicing Factor SIm2 in Heart Failure, Which Regulates Splicing of Titin
Ghana	<b>Soziema J. S. Salia</b> , Elizabeth Mostofsky, Suruchi Gupta, Laura L. Lehman, Shweta R. Motiwala, Murray A. Murray Mittleman	Racial Disparities in Induction Immunosuppression Use Among Heart Transplant Recipients in the United States

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Greece	<b>Nikolaos Anousakis-Vlachochristou</b> , Manolis Mavroidis, Dimitra Athanasiadou, Aimilia Varela, Manousos Makridakis, Maria Katsa, Antigoni Miliou, Lali Dimitra, Karina Carneiro, Antonia Vlahou, Nikolaos Thomaidis, Constantinos D. Anagnostopoulos, Dennis V. Cokkinos, Costas Tsioufis, Konstantinos Toutouzas	Improved Rabbit Model of Calcific Aortic Valve Disease Induces Severe Medial Calcification and Stenosis Equivalent to Human Disease
Hong Kong	<b>David Mondaca Ruff</b> , Daniels Konja, Sandeep Singh, Yu Wang	Overexpression of Endothelial p25 Causes Vascular Remodeling by Inducing Premature Aging
Hungary	<b>Balint K. Lakatos</b> , Marton Tokodi, Alexandra Fabian, Zsuzsanna Ladanyi, Hajnalka Vágó, Liliána Szabó, Nora Sydo, Emese Csulak, Orsolya Kiss, Máté Babity, Anna Reka R. Kiss, Zsolia Gregor, Andrea Szúcs, Béla Merkely, Attila Kovacs	Pericardial Constriction-Like Echocardiographic Findings in Elite Athletes Following Mild Covid-19 Infection: A Propensity Score-Matched Analysis
India	<b>Rajesh Rajput</b> , J.C. Mohan, J.P.S. Sawhney, Jamshed Dalal, Mullasari Sankardas, Hardik Vasawala, Amit Kumar	Prevalence of Preclinical Cardiomyopathy in Patients With Type 2 Diabetes With No Apparent Cardiovascular Involvement
Indonesia	<b>Olivia Handayani</b>	A Potent Protective Vascular Endothelium Property of Garcinia mangostana L. Extract in High-Risk Framingham Score Patients With Type 2 Diabetes: A Prospective Randomized Control Trial
Indonesia	<b>Raditya Dewangga</b> , Kevin Winston, Lazuardi Gayu Ilhami, Suci Indriani, Taofan Siddiq, Suko Adiarto	The Role of Metformin in Abdominal Aortic Aneurysm: A Systematic Review and Meta- Analysis
Iran, Islamic Republic of	<b>Abdolkarim Mahrooz</b> , Ahad Alizadeh, Omeh Farveh Khosravi-Asrami, Neda Mohmmadi, Adele Bahar, Neda Mohmmadi	New Risk Factors for Improved Identification of Coronary Artery Disease Risk in Type 2 Diabetes by Substituting Paraoxonase 1 Activity for HDL Cholesterol in Atherogenic Ratios
Iraq	<b>Israa Fadhil Yaseen</b> , Hasan Ali Farhan	Role Of Cardiology Clinical Pharmacist In The Management Of Peripartum Cardiomyopathy; Vulnerable Condition With Critical Interventions
Ireland	<b>Ning Ge</b> , Min Liu, Janusz Krawczyk, Veronica Mcinerney, Joseph Galvin, Deirdre Ward, Catherine McGorrian, Timothy O'Brien, Sanbing Shen, Terence W. Prendiville	Recapitulating Long QT Syndrome Phenotype in Induced Pluripotent Stem Cells-Derived Cardiomyocytes Using CRISPR/Cas9 Technology
Israel	<b>Gal Tsaban</b> , Hilmi Alnsasra, Ala Abu-Dogosh, Itai Weissberg, Yael Golan, Orit Barrett, Roi Westreich, Enis Aboalhasan, Sapir Coll; Joseph Azuri, Ariel Hammerman, Ronen Arbel	Sacubitril/Valsartan versus Spironolactone in Heart Failure with Preserved Ejection Fraction; A Cost per Outcome Analysis
Italy	<b>Benedetto Del Forno</b> , Mariangela D'Ovidio, Davide Carino, Elisabetta Lapenna, Alessandro Verzini, Guido Ascione, Luigi Pinnarelli, Marina Davoli, Alessandro Castiglioni, Francesco Maisano, Ottavio Alfieri, Michele De Bonis	Surgical Mitral Valve Repair for Degenerative Mitral Regurgitation: Defining the Benchmark for Trans-Catheter Options

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Japan	<b>Risa Ramadhiani</b> , Koji Ikeda, Kazuya Miyagawa, Gusti Rizky Teguh Ryanto, Naoki Tamada, Yoko Suzuki, Ken-Ichi Hirata, Noriaki Emoto	Endothelial Cells Senescence Exacerbates Pulmonary Hypertension Through Notch-Induced Pulmonary Arterial Smooth Muscle Cells Proliferation and Migration
Korea, Republic of	<b>Hokyoo Lee</b> , Yuichiro Yano, Norrina Allen, Yu Rang Park, Dong-Wook Kim, Sungha Park, Eun Jig Lee, Donald Lloyd-Jones, Hyeon Chang Kim	Lifetime Cardiovascular Risk Model to Identify Individuals with Low 10-Year Risk but High Lifetime Risk
Kuwait	<b>Abbas Altamimi</b> , Nida Khan, Surya K. Aedma, Karanrajsinh Raol, Abdur Raheem, Shubhi Jain, Sowmya Madireddy, Nawal Ali, Rizwan Rabbani, Jigisha Rakholiya, Preeti Malik, Urvish K. Patel, Suveenkrishna Pothuru	Meta-Analysis of Outcomes of Valve-in-Valve TAVI Compared to Redo-SAVR
Lebanon	<b>Aya M.J. Al-Saidi</b> , Samaya Abdallah, Safaa Hammoud, Nahed Mougharbil, Ahmed El-Yazbi	Interruption of Perirenal Adipose Tissue Thromboinflammation Reverses Prediabetic Kidney Impairment
Luxembourg	<b>Ana Carolina Sauer Liberato</b> , Merritt Raitt, Ignatius G. Zarraga, Karen MacMurdy, Cynthia M. Dougherty	Health Related Quality of Life in the Spironolactone to Reduce Icd Therapy (SPIRIT) Trial
Malaysia	<b>Wan Azman Wan Ahmad</b> , Muhamad Ali SK SK Abdul Kader, Noel Thomas Ross, Ahmad Wazi Ramli, Azmee Mohd Ghazi, Hamat Hamdi Che Hassan, Chuey Yan Lee, Mayuresh Fegade, Hafisyatul Aiza Zainal Abidin, Dharmaraj Karthikesan, Nor Hanim Mohd Amin, Tiong Kiam Ong, Kauthaman A. Mahendran, Tamil Selvan Muthusamy, Drkahar Ghapar	Baseline Analysis of National Malaysian Heart Failure Registry Indicates Hospitalization as a Key Opportunity to Initiate GDMT in HF Patients
Malta	<b>Mark Abela</b> , Jessica Debattista, Jeanesse Scerri, Kentaro Yamagata, Felice Tiziana, Melanie Roberta Zammit Burg, Mark Adrian Sammut, Robert George Xuereb, Victor Grech, Christian Scerri, Lorenzo I. Monserrat, Michael Papadakis	Yield From Family Screening in a National Adolescent Cardiac Screening Program
Mexico	<b>Mary Alvarez</b> , Adolfo Virgen-Ortiz, Alejandrina Rodriguez-Hernandez, Adriana Ceballos- Gutiérrez, Alejandro Figueroa-Gutiérrez, Felipa Andrade, Enrique Sánchez-Pastor	Nobel Murine Model of Atherosclerosis Progression Induced by a Modified-Paigen Diet
Netherlands	<b>Jeroen N. Wessels</b> , Jari de Rover, Jessie Van Wezenbeek, J. Tim Marcus, Lilian J. Meijboom, Harm J. Bogaard, Anton Vonk Noordegraaf, Gustav J. Strijkers, Berend E. Westerhof, Frances S. De Man	Right Atrial Adaptation in Pulmonary Hypertension: In-Depth Pressure-Volume Analysis
Norway	<b>Thomas Andersen</b> , Dennis W. Nilsen, Heidi Grundt, Harry Staines, Thor Ueland, Pal Aukrust, Frederic P.T. Kontny,	Procollagen Type 1 N-terminal Propeptide, a Collagen Synthesis Biomarker, is Associated With Adverse Clinical Outcome in Patients With Suspected Acute Coronary Syndrome

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Pakistan	<b>Muhammad Memon</b> , Asad Ali Siddiqui, Emaan Amin, Fahd Niaz Shaikh, Mohammad Khan, Rami Doukky, Richard Krasuski	Novel Oral Anticoagulants versus Vitamin K Antagonists in Patients with Atrial Fibrillation After Transcatheter Aortic Valve Replacement: A Systematic Review and Meta-Analysis
Philippines	<b>Vikash Jaiswal</b> , Prachi Sharma, Gaurav Chaudhary, Basant Kumar Gupta, Abhishek Singh, Ayush Shukla, Monika Bhandari, Akhil Kumar Sharma, Pravesh Vishwakarma, Akshyaya Pradhan, Sharad Chandra, Rishi Sethi, Sudhanshu Dwivedi	Culprit Plaque Morphology in Young versus Elder Acute Coronary Syndrome Patients: An Optical Coherence Tomography Study
Poland	<b>Michal Orczykowski</b> , Marcin Kowalski, Valay K. Parikh, Piotr Urbanek, Bodalski Robert, Pawel Derejko, Grzegorz Warminski, Andrzej Hasiiec, Krzysztof Dubowski, Andrzej Glowniak, Radoslaw Sierpinski, Filip Urbanski, Maria Bilinska, Lukasz Szumowski	30-days Mortality Risk in the Patients Following Atrial Fibrillation Ablation in the Entire Nation of Poland: An 8-Year Analysis from National Health Fund of Poland
Portugal	<b>Mickaël Henriques</b> , Ryan Gouveia e Melo, André Peixoto, Ruy Fernandes e Fernandes, Augusto Almeida Ministro, João Leitão, Daniel Caldeira, Luís Mendes Pedro	General Evaluation of the Aorta by Computed Tomography in a Latin Population
Qatar	<b>Ayman Al Haj Zen</b> , Dorota Nawrot, Lutfiye Yildiz Ozer	Phenotypic Drug Screen Reveals That Lacidipine, a Calcium Channel Blocker, Enhances the Vascular Lumen Formation
Romania	<b>Ioan A. Gutiu Sr.</b> , Anton I. Gutiu	In Postmenopausal Women With Cardiovascular Disease Hypomagnesaemia May Exacerbate Dyslipidemia and Inflammation Syndrome
Russian Federation	<b>Vladimir N. Melnikov</b>	Assessment of Left Ventricular Relaxation Time by Pulse Wave Analysis: Association With Arterial Compliance
Saudi Arabia	<b>Ahmed M. Nahari</b> , Leslie L. Davis, Debra Wallace, Stephanie Pickett, Paul G. Davis, Thomas McCoy	Intrapersonal and Interpersonal Factors Influencing Physical Activity in Arab Americans: A Social-Ecological Approach
Saudi Arabia	<b>Ibrahim M. Salman</b> , Omar Z. Ameer, Sarah F. Hassan, Sheridan McMurray, Arun Sridhar, Yee- Hsee Hsieh, Stephen J. Lewis	Neuromodulation Of The Renal Nerves In Spontaneously Hypertensive Rats
Singapore	<b>Angela S. Koh</b> , Jie Jun Wong, Jien Sze Ho, Louis L.Y. Teo, Hai Ning Wee, Kee Voon Chua, Jianhong Ching, Fei Gao, Swee Yaw Tan, Ru San Tan, Jean Paul Kovalik	Short Term Moderate Intensity Exercise in an Aged Cohort Reversed Early Findings of Diastolic Dysfunction and Was Associated With Changes in the Serum Metabolome: A Randomized Clinical Trial
Slovenia	<b>Gregor Poglajen</b> , Neža Žorž, Ema Ajda Gomezelj, Ana Milovanovic, Sabina Frljak, Bojan Vrtovec	Higher Numbers of Circulating CD34+ Cells Are Associated With More Pronounced Effects of Nephilysin Inhibitors in Patients With Chronic Heart Failure
South Africa	<b>Taariq Mogamat Salie</b> , Jing Yang, Carlos Ramirez Medina, Nophar Geifman, Liesl J. Zuhlke, Simon Frain, Anthony Whetton, Bernard Keavney, Mark E. Engel	Identification of a Proteomic Signature Showing Ongoing Inflammation in Severe Rheumatic Heart Disease

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Spain	<b>Maria Cespon-Fernandez</b> , Sergio Raposeiras-Roubin, Emad Abu-Assi, Tamara Fernandez- Sanz, Isabel Muñoz-Pousa, Maria Melendo-Viu, Pilar Cabanas-Grandio, Andrés Íñiguez-Romo	Validation of Embolic and Bleeding Risk Scores in Patients with Atrial Fibrillation and Cancer
Sri Lanka	<b>Parackrama Karunathilake</b> , Prabhashini Kumarihamy, Sujeewa Gunaratne, Dammika Ranasinghe, Charith Bandara, Udaya Ralapanawa	Body Mass Index, Waist Circumference and Waist-Hip Ratio in South Asians With Acute Coronary Syndrome
Sweden	<b>Alexis Hofherr</b> , Catarina A. M. Nilsson, Dinko Rekec, Jane Knöchel, Ronald Goldwater, David Han, Jorge Kusnir, J. Scott Overcash, Michael Waters, Alexander White, Eva Hurt-Camejo, Linda Wernevik, Rikard Isaksson, Yanfeng Wang, Sanjay Bhanot, Kristina Ryden-Bergsten, Michael Koren, Bjorn C. L. Carlsson	Safety, Pharmacokinetics and Pharmacodynamics of Multiple Ascending Doses of AZD8233, Targeting PCSK9, in Patients with Dyslipidemia
Switzerland	<b>Svetlana A. Didichenko</b> , Jacqueline Adam, Alexey V. Navdaev, Mae Wong, Monther Alhamdoosh, Moritz Saxenhofer, Elena Velkoska, Samuel D. Wright	CSL112 Suppresses Inflammation in Human Monocyte-Derived Macrophages
Switzerland	<b>Soheil Saeedi</b> , Gergely Karsai, Giovanni G. Camici, Thomas F. Lüscher, Beer H. Jürg	Aquaporin 1 Differentially Controls Endothelial Cell Senescence by Epigenetic and SASP Modulation
Taiwan	<b>Chien-Yi Hsu</b> , Hung-Yu Chang, Ying-Hsiang Lee	The Utility of PREDICT-HF Score in High-Risk Asian Heart Failure Patients Receiving Sacubitril/Valsartan Treatment
Thailand	<b>Chayodom Maneechote</b> , Thawatchai Khuanjing, Benjamin Ongnok, Apiwan Arinno, Nanthip Prathumsap, Busarin Arunsak, Sasiwan Kerdphoo, Siriporn Chattipakorn, Nipon Chattipakorn	Rescuing Mitochondrial Fusion/Fission Balance Mitigates Oxidative Stress, Myocardial Injury and Apoptosis in Rats with Doxorubicin-induced Cardiotoxicity
Turkey	<b>Mehmet Agirbasli</b> , Rabia Korkmaz, Ferruh K. Isman	Soluble Low Density Lipoprotein Receptor-related Protein-1 Levels As A Potential Biomarker In Covid19
Uganda	<b>Jafesi Pulle</b> , Hadija Nalubwama, Jenifer Atala, Rebecca Namara, Rachel Sarnacki, Emma Ndagire, Andrea Beaton, Craig A. Sable, David Watkins, Emmy Okello	Barriers and Enablers of Rheumatic Heart Disease Care in a Resource Limited Setting
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United Kingdom	<b>Jack Williams</b> , Anju Paudyal, Michelle Stewart, Pedro Cutillas, Roger D. Cox, Andrew Tinker, Lou Metherell	A Shorter Myosin Light Chain Kinase 3 Isoform Maintains Myosin Light Chain 2 Phosphorylation but Does Not Attenuate the Dilated Cardiomyopathy Seen in C57BL/6N Mice
United States	<b>Yuan Ma</b> , F. J. He, Qi Sun, Changzheng Yuan, Lyanne M. Kieneker, Gary C. Curhan, Graham A. MacGregor, Stephan J. L. Bakker, Norman Campbell, Molin Wang, Eric B. Rimm, Joann Manson, Walter Willett, Albert Hofman, Ron T. Gansevoort, Nancy R. Cook, Frank B. Hu	Sodium Intake and Risk of Cardiovascular Disease: A Pooled Analysis of Individual Data from Six Cohort Studies with Multiple 24-Hour Urine Collections

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United States	<b>Fenglei Wang</b> , Megu Y. Baden, Kathryn M. Rexrode, Frank B. Hu	Dietary Fat Intake and the Risk of Stroke: Results from Two Prospective Cohort Studies
United States	<b>Kyla Lara-Breitinger</b> , Jose Medina Inojosa, Zhuo Li, Sarka Kunzova, Amir Lerman, Stephen Kopecky, Francisco Lopez-Jimenez	Validation of a Brief Dietary Questionnaire for Use in Clinical Practice: Mini-EAT TM
United States	<b>Xun Wu</b> , Ziji Wang, Jianting Shi, Fang Li, Young Joo Yang, Rebecca M. Moore, Margot K. Chirikjian, Ira A. Tabas, Ai Yamamoto, Hanrui Zhang	ATVB Outstanding Research Award: WDFY3 is Required for the Efficient Degradation of Engulfed Apoptotic Cells by Macrophages During Efferocytosis
Uzbekistan	<b>Amayak Kevorkov</b> , Ergashali Tursunov	Heart Rate Turbulence and Severity of Atherosclerotic Coronary Lesion in Patients with History of Myocardial Infarction
Viet Nam	<b>Thach N. Nguyen</b> , Thanh N.P. Huynh, Thoa Le, Minh Anh Le, Thu Q. Nguyen, Chuong T. Le, Loc Vu, Minh H.N. Le, Dung T. Ho, Gianluca Rigatelli, Ernest Talarico, Jr., Marco Zuin, Hung N. Pham, Thinh Cao, Nghia T. Nguyen	Prolonged Coronary Arterial Phase and Recurrent Ischemia Are Hallmarks of Repeat Heart Failure and Sudden Cardiac Death in Patient With Dilated Cardiomyopathy and Patent Coronary Arteries an Angiographic and Machine Learning Analysis