

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

## List of 2024 AHA Meetings

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| <u>EPI Lifestyle Scientific Sessions</u> .....                 | 5-7   |
| <u>Hypertension Sciences Scientific Sessions</u> .....         | 8-11  |
| <u>International Stroke Conference</u> .....                   | 12-17 |
| <u>Resuscitation Science Symposium</u> .....                   | 18-20 |
| <u>Scientific Sessions</u> .....                               | 21-30 |
| <u>Vascular Discovery Scientific Sessions</u> .....            | 31-33 |

## Basic Cardiovascular Sciences Scientific Sessions 2024

| COUNTRY        | AUTHOR BLOCK                                                                                                                                                                                                                                               | PUBLISHING TITLE                                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia      | <b>A.M. Parker</b> , S. Song, M. De Blasio, R.H. Ritchie, J. Lees, J. Phang, S.Y. Lim                                                                                                                                                                      | Using Human Cardiac Organoids to Elucidate the Cardioprotective Potential of Mitochondrial-Targeted Therapies in a Preclinical Model of Diabetic Cardiomyopathy                       |
| Austria        | C. Dostal, R. Steiner, S. Baydar, J. Reiner, P. Pokreisz, N. Pilat, S. hallstrom, B. Podesser, <b>A. Kiss</b> , D. Abraham, H. Gong, J.A. Kirk, E. Ehler, L. Bakari, E. Wagner, B. Hackl, E.L. Liliu, X. Koenig, C. Riganti, A. Ghigo                      | Evidence for cardiomyocyte dysfunction in cancer-induced cachexia in mice                                                                                                             |
| Belgium        | <b>B. Goovaerts</b> , C. Civati, E. Feyen, G. De Keulenaer, V.F. Segers                                                                                                                                                                                    | A New Small-Molecule ErbB4 Agonist Attenuates Adverse Ventricular Remodeling After Myocardial Infarction In a Sex-Specific Manner                                                     |
| Brazil         | <b>A.D. Lorenzo</b> , A. Arpini, L. Sabioni, M. Santos Fernandes, G. Dias                                                                                                                                                                                  | DNA Damage and Repair in Patients Undergoing Myocardial Perfusion Single-Photon Emission Computed Tomography                                                                          |
| Canada         | <b>Q. Sun</b> , C.S. Wagg, N. Wang, G.D. Lopaschuk, E. Ketema, L. Zhang                                                                                                                                                                                    | Increasing ketone supply to the heart has beneficial effects on the source of cardiac ATP production in heart failure with preserved ejection fraction (HFpEF)                        |
| China          | <b>L. Peng</b> , Y. Guo, X. Han, S. Wang, Z. Luo, Y. Xia, H. Tan, X. Xu, Q. Liu, F. Ding, H. Zhao, Y. Wang, L. Tao, W. Yan                                                                                                                                 | Macrophage Piezo1 exacerbates cardiac dysfunction through inhibiting clearance of apoptotic cardiomyocytes after myocardial infarction                                                |
| Czech Republic | <b>M. Miklovic</b> , O. Gawrys, Z. Honetschlagerova, Z. Huskova, S. Kikerlova, Z. Vanourkova, M. Adamova, S. Jichova, P. Kala, H. Maxova, Department of Pathophysiology, G. Puertas-Frias, T. Mracek, M. Kitamoto, A. Kvasilova, D. Sedmera, V. Melenovsky | Renal denervation enhances right ventricular function, reduces myocardial damage, and restores myocardial sympathetic signaling in rats with heart failure induced by volume overload |

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| France            | A. Weiss, K. Sharkova, W.H. Zimmermann, N. Wiest-Daessle, P. Sommer, <b>K. Gkatzis</b>                     | Integration of deep learning assisted high-content screening and deep tissue-phenotyping to identify cardioprotective compounds in dilated cardiomyopathy                                           |
| Germany           | <b>F. Senger</b> , E. Haas, N. Frey, A. Remes, C. Tannert, O. Mueller                                      | FYCO1 ameliorates cardiac remodeling in response to ischemia by amplifying autophagic flux                                                                                                          |
| India             | <b>H. Chittora</b>                                                                                         | Novel Structural and Biochemical Effects of Nexilin Associated Hypertrophic Cardiomyopathy                                                                                                          |
| Italy             | <b>A. Tarantino</b> , D. Melgari, I. Lavota, P. Rota, A. Frosio, C. Pappone, I. Rivolta, L. Anastasia      | Restoring NaV1.5 Mutant Functionality in Arrhythmia with ManNAc Supplementation                                                                                                                     |
| Japan             | <b>N. Liu</b> , A. Nakano                                                                                  | Contribution of local hematopoiesis to endocardial cushion remodeling during development                                                                                                            |
| Republic of Korea | <b>J. Kim</b> , J. Park, H.J. Park, Y. Choi                                                                | 3D spheroids composed by induced Skeletal Muscle Progenitor Cells and Mesenchymal Stem Cells derived from human Pluripotent Stem Cells can recapitulate embryonic niches in hindlimb ischemia model |
| Netherlands       | Q. Yuan, <b>J.W. Buikema</b> , J. van der Velden, R. Kim, L.C. Zelarayan, E. Schoger, R. Boon, D.W. Kuster | Building Mass or Strength: Stage-specific Effects of Insulin and Wnt on Cell Fate Decisions in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes                                           |
| New Zealand       | J. Bellae Papannarao, S. Coffey, A. Gray, M. Williams, <b>R. Katare</b>                                    | Serial measurement of circulating cardiovascular enriched miR-1 and -34a reflects the changes in cardiac function in patients with ischemic heart disease – a five-year follow-up study             |
| Peru              | <b>J. Valdivia-Silva</b>                                                                                   | Nitric oxide-dependent Vasodilation in Preeclampsia is impaired due to dysregulated L-arginine pathways and reduced cyclic Guanosine Monophosphate activity                                         |

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| Qatar                | J. Alenbawi, U. Umlai, A. Kadhi, N. Hendi, <b>G. Nemer</b> , O. Albagha, Y. Al-Sarraj                                                                                                                                | Identifying Genetic Determinants of Phytosterol Levels: A Genome-Wide Association and Meta-Analysis Study Unveils a New Locus Influencing Campesterol Serum Concentrations |
| Singapore            | S. Adusumalli, <b>L. Yap</b> , L. Ye, E. lim, S. Lim, S. Ren, Y. Wang, E. Petretto, K. Tryggvason                                                                                                                    | Hallmark Maturation of the Human Pluripotent Stem Cells-derived Cardiovascular Progenitors in Myocardial Infarcted Large Animal Model                                      |
| Spain                | <b>M. Pricolo</b> , M. López-Unzu, N. Vicente, C. Morales-Lopez, W. Perez-Franco, A. Dumitru, M. Oria-Muriel, R. Silva-Rojas, E. Herrero-Galan, J. Alegre-Cebollada, F. Espinosa Barea, R. Garcia-Garcia, M. Sanchez | Titin cleavage disrupts sarcomere-adhesion tensional homeostasis triggering cardiomyocyte arrhythmia in vitro                                                              |
| Taiwan               | <b>W. Chang</b> , S. Fisch, C. Hsu                                                                                                                                                                                   | MiR-21 mitigated pulmonary hypertension induced right ventricular dysfunction through pulmonary circulating exosomes                                                       |
| United Arab Emirates | <b>A.B. Elmoselhi</b> , A. Bouzid, Z. Ibrahim, H. Al-Hroub, M. Harb, N. Soares, R. Hamoudi, M. Seif Allah, R. Siddiqui, N.A. Khan                                                                                    | Exploring Metabolomic Profiles in Vitamin D Deficient and Obese Individuals: Relevance to Arterial Stiffness                                                               |
| United Kingdom       | <b>J. Nunes Vieira</b> , C. Roque Silva, M. Valenzuela Sanchez, H. Scheucher, T.P. Dias, M. Giacca, J. Kalisch-Smith, D. Sparrow, P. Riley                                                                           | Noncoding regulation of epicardial gene expression and epithelial-to-mesenchymal transition during heart development                                                       |
| United States        | <b>H. Fonoudi</b> , A. Negahi Shirazi, H. Kuo, J. Kotamarthi, C.G. Vanoye, J. Wilcox, X. Gao, M. Jouni, B. Lenny, A. Neupane, Y. Sapkota, A.L. George, P.W. Burridge                                                 | Novel Therapeutic Option for LMNA-related Cardiomyopathy                                                                                                                   |

## EPI|Lifestyle Scientific Sessions 2024

| COUNTRY   | AUTHOR BLOCK                                                                                                                                                                                                                                                                                                                                                                                                          | PUBLISHING TITLE                                                                                                                                                                                                  |
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| Australia | <b>Yaxing Meng</b> , Feitong Wu, Juhani Koskinen, Markus Juonala, Katja Pahkala, Suvi P. Rovio, Jorma Viikari, Mika Kähönen, Olli T. Raitakari, Costan Magnussen                                                                                                                                                                                                                                                      | Low-Density Lipoprotein Cholesterol Estimation in Youth: Sampson and DeLong Equations Outperform Friedewald and Martin-Hopkins in Predicting Mid-Adult Carotid Plaque                                             |
| Brazil    | <b>Victor Dourado</b> , Agatha Matheus, Alan Barbosa, Marcello Romiti, Rodolfo Arantes                                                                                                                                                                                                                                                                                                                                | Is a Fixed Value of the Rate of Gas Exchange Appropriate to Indicate the Maximum Effort of Obese and Nonobese Adults Undergoing a Treadmill Cardiopulmonary Exercise Test?                                        |
| Canada    | <b>Brian W. McCrindle</b> , Silva Arslanian, Michele Mietus-Snyder, Elaine M. Urbina, Adam Ware, Jessica E. Teng, Felicia Trachtenberg, Mark Russell, Amy S. Shah, Mark Cartoski, Julie A. Brothers, Christine San Giovanni, Justin Zachariah, Sandra Pena, William T. Mahle, Amy Peterson, Sheela Magge, Geetha Raghuvier, Binu Sharma, Valiantsina Kazlova, Craig A. Sponseller, D'Andrea Freemon, Sarah Deferranti | A Randomized Placebo-Controlled Trial of Pitavastatin Calcium to Treat Combined Dyslipidemia of Obesity in Adolescents - The Pediatric Heart Network Dyslipidemia of Obesity Intervention in Teens (Do It!) Trial |
| China     | <b>Xuanwei Jiang</b> , Victor W. Zhong                                                                                                                                                                                                                                                                                                                                                                                | Early-Life Tobacco Exposure, Genetic Risk, and Incident Type 2 Diabetes                                                                                                                                           |
| Colombia  | Jorge A. Rios Duarte, Carlos O. Mendivil, <b>Ricardo A. Pena-Silva</b>                                                                                                                                                                                                                                                                                                                                                | A Multinational Analysis of Perceptions of Non-Communicable Diseases                                                                                                                                              |
| Denmark   | <b>Jiao Luo</b> , Ida Juul Rasmussen, Borge G. Nordestgaard, Anne Tybjaerg-Hansen, Jesper Qvist Thomassen, Ruth Frikke-Schmidt                                                                                                                                                                                                                                                                                        | Cardiovascular Diseases and Risk of Dementia in the General Population: Observational and Genetic Studies                                                                                                         |

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| France  | <b>Daouda Seck</b> , Mame Aminata Thiam, Sanam Shah, Ibrahima Bara Diop, Xavier Jouven, Nasser Laouali, Gustave Roussy, Elisabeth Lilian Sattler, Bamba Gaye                                                          | The Recommended Eating Patterns of the EAT-Lancet Commission and Type 2 Diabetes Risk: The E3N Prospective Cohort Study                                                                                        |
| Germany | <b>Nuha Shugaa Addin</b> , Fiona Niedermayer, Barbara Thorand, Jakob Linseisen, Jochen Seissler, Annette Peters, Susanne Rospleszcz                                                                                   | Association of Serum Magnesium With Metabolic Syndrome and the Role of Chronic Kidney Disease: Population-Based Cohort Study and Mendelian Randomization                                                       |
| Iceland | <b>Sigridur Bjornsdottir</b> , Hildigunnur Ulfisdottir, Elias F. Gudmundsson, Bartosz Dobies, Kolbrun Sveinsdottir, Ari Pall Isberg, Gudlaug Bjornsdottir, Sigurdur Sigurdsson, Saemundur Oddsson, Vilmundur Gudnason | Sustained Improvements in Liver Fat Reduction and Cardiometabolic Health at Nine Months After a 12 Week Digital Health Program in Individuals With Non-Alcoholic Fatty Liver Disease - A Feasibility Study     |
| India   | <b>Paramesh Shamanna</b> , Mala Dharmalingam, Arun Vadavi, Mohamed Thajudeen, Ashok Keshavamurthy, Suchitra Bhonsley, Shashank Joshi                                                                                  | Correlation Among A1c Improvement, Weight Reduction, and Decreased ASCVD Risk in Participants Enrolled for Type 2 Diabetes Remission: Outcomes at 1 Year From an RCCT Using Whole-Body Digital Twin Technology |
| Israel  | <b>Tomas Karpati</b> , Tsafnat Test, Orna Reges                                                                                                                                                                       | Variability in Predictive Error of Waist Circumference Models: A Stratified Analysis Based on Body Mass Index, Waist Circumference, and Their Ratio                                                            |
| Italy   | <b>Marialaura Bonaccio</b> , Augusto F. Di Castelnuovo, Simona Costanzo, Claudia F. Martinez, Teresa Panzera, Chiara Cerletti, Maria Benedetta Donati, Giovanni De Gaetano, Licia Iacoviello                          | Life's Simple 7 for Cardiovascular Health is Associated With Lower Cancer Risk: Longitudinal Findings and Analysis of Potential Mechanisms From the Moli-Sani Study Cohort                                     |

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| Japan             | <b>Masaru Sakurai</b> , Masao Ishizaki, Yuko Morikawa, Kazuka Yoneda, Katsuyuki Miura, Hideaki Nakagawa                                                                    | Body Weight Change Mediates the Relationship Between Alcohol Intake and Incidence of Hypertension in Japanese Men                                    |
| Netherlands       | Maria Gabriela M. Pinho, Yvonne Koop, Joreintje Mackenbach, Jeroen Lakerveld, Mariana Simoes, Roel Vermeulen, Alfred Wagtendonk, Ilonca Vaartjes, <b>Joline W. Beulens</b> | Time-Varying Exposure to Food Retailers and Cardiovascular Disease Incidence and Mortality in the Netherlands: A Nationwide Prospective Cohort Study |
| Republic of Korea | <b>Hokyoo Lee</b> , Hyeok-Hee Lee, Jong Hyun Jhee, Eun Jin Kim, Hyeon Chang Kim, Donald M. Lloyd-Jones                                                                     | Associations of Ideal Cardiovascular Health and Its Change With Cardiovascular-Kidney Outcomes in Young Adults                                       |
| Saudi Arabia      | Saja Alghamdi, Alawyah Alsaman, Om Kalthom Sowadi, Nada Khojah, Hadeel Saad, <b>Abdullah Alansare</b>                                                                      | Prevalence of Meeting a Single versus Combined 24-Hour Movement Guidelines in Pregnant Women in Saudi Arabia                                         |
| Singapore         | <b>Jie Jun Wong</b> , Hongzhou Zhang, Fei Gao, Shuang Leng, Ru San Tan, Liang Zhong, Jean Paul Kovalik, Angela S. Koh                                                      | Favorable Ventricular-Arterial Mechanics Among Women is Associated With Better Mitochondrial Oxidation in the Left Ventricle                         |
| Taiwan            | <b>Pao Hsien Chu</b> , Ying-Chang Tung                                                                                                                                     | HDL-C Variability and Peripheral Artery Disease                                                                                                      |
| United Kingdom    | <b>Jennifer L. Carter</b>                                                                                                                                                  | Physical Activity and Dual Energy X-ray Absorptiometry Measured Body Composition in Global Multi-Ethnic Cohorts                                      |
| United States     | <b>Ciaran N. Kohli-Lynch</b> , Brandon K. Bellows, Andrew Edward Moran, Yiyi Zhang, John Thomas Wilkins, Norrina B. Allen, Donald M. Lloyd-Jones                           | Cost-Effectiveness of Intensive Lipid-Lowering in Young Adulthood                                                                                    |

## Hypertension Sciences Scientific Sessions 2024

| COUNTRY   | AUTHOR BLOCK                                                                                                                                                                                                                              | PUBLISHING TITLE                                                                                                                                                  |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Argentina | <b>Mariano Duarte</b> , Analia Aquieri, Silvia Rivas, Gimena Donth Leger, Valeria Pardo, Javier Coyle, Andrea Curia, Esteban Gonzalez Ballerga                                                                                            | Arterial Stiffness in Obese Normotensive Children: The First Cardiovascular Risk Biomarker?                                                                       |
| Australia | <b>Markus P. Schlaich</b> , George L. Bakris, John M. Flack, Alberto Gimona, Krzysztof Narkiewicz, Mouna Sassi-Sayadi, Jiguang Wang, Michael A. Weber                                                                                     | A major effect of aprocitentan on albuminuria in patients with resistant hypertension                                                                             |
| Brazil    | <b>Kamylle Ferraz</b> , Adelson H. Monteiro, Sthefanie Chaves, Carolina F. Barros, Nicia Soares, Maria Jose Campagnole-Santos, Robson A. Santos                                                                                           | Identification Of Alamandine-(1-5) As A New Anti-Hypertensive Peptide of The Renin-Angiotensin System                                                             |
| Canada    | <b>Pierre Paradis</b> , Ahmad Mahmoud, Antoine Caillon, Brandon Shokoples, Nathanne D. Ferreira, Kevin Comeau, Shinya Hatano, Yasunobu Yoshikai, Julia M. Lewis, Robert Tigelaar, Ernesto L. Schiffrin                                    | Vy6+ $\gamma\delta$ T cells protect against angiotensin II-induced hypertension and vascular injury in male mice                                                  |
| Chile     | <b>Patricio Araos</b> , Stefanny Figueroa, Gabriela Arenas, Javier I. Reyes Osorio, Javiera Saez, Jackeline Moya, Ruth Sepulveda, Joaquin Rojas, Maria Jose Fuenzalida, Luigi Gabrielli, Jorge Jalil, Maria Paz Ocaranza, Cristian Amador | The Heart Failure with Preserved Ejection Fraction Induced By High-Fat Diet and L-NAME in Mice Does not Induce a Renal Damage                                     |
| China     | <b>Li Cai</b> , Ling Yao, Qing Zhu, Shasha Liu, Duolao Wang, Jing Hong, Muralbek Heizhati, Nanfang Li                                                                                                                                     | The effects of care by hypertension specialists on cardiovascular outcome, blood pressure control and cost-effectiveness among uncontrolled hypertensive patients |
| Germany   | Anika Seniuk, Claudius Steffen, Helga Vitzthum, Christian A. Hubner, <b>Heimo Ehmke</b>                                                                                                                                                   | Targeted Deletion of NKCC1 in Vascular Smooth Muscle Cells Lowers Blood Pressure in Normotensive and Hypertensive Mice                                            |

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| India             | Nikhil Srinivasapura Venkateshmurthy, Manisha Dubey, Reena Sehgal, Prashant Jarhyan, Rajesh Khatkar, Shiva Prasad Konkati, Manika Sharma, Nicole Ide, Dorairaj Prabhakaran, <b>Sailesh Mohan</b>      | Co-Created Intervention Promotes Uptake of Low Sodium Iodized Salt Substitute to Control Hypertension: Results from a Large Community-based Quasi-Experimental Study from India                  |
| Ireland           | <b>Saif Syed</b> , Ashwinikumar Shandilya, Nimrat Dhillon, Shruthi Katam, Darshine Venugopal, Ratan Pal Yadav, Danish Ahmed, Mohit Lakkimsetti, Juhi Patel, Vishrant Amin, Rohan Raj, Hardik D. Desai | Global Burden of Pulmonary Arterial Hypertension and Its Trends Across 204 Countries and Territories from 1990 to 2021: A Comprehensive Global Analysis                                          |
| Israel            | Benjamin Gavish, <b>Michael Bursztyn</b> , Luis M. Ruilope, Bryan Williams, Alejandro De La Sierra                                                                                                    | Diastolic to Systolic Arterial stiffening has Greater Prognostic Power than Diastolic Stiffness in 20-60 Years Old Patients Undergoing 24-Hour Ambulatory Blood Pressure Monitoring              |
| Italy             | <b>Gian Paolo D. Rossi</b> , Teresa M. Seccia, Brasilina Caroccia, Alessandro Bressan, Giacomo Rossitto, Clement Byiringiro, Giulio Ceolotto, Ana M. Briones                                          | Macrolides for KCNJ5-mutated Aldosterone-Producing Adenoma (MAPA): a Study for Personalized Management of Primary Aldosteronism                                                                  |
| Japan             | <b>Wataru Fujii</b> , Osamu Yamazaki, Yuta Kochi, Shigeru Shibata                                                                                                                                     | Phosphorylation and regulation of URAT1 by insulin and NaCl: a possible mechanism linking insulin resistance and excessive salt intake to hyperuricemia                                          |
| Jordan            | <b>Hadeel Al Kayed</b> , Maryam Alqatawneh, Mahmoud Maaita, Awni Alsuradi, Husam Odaibat                                                                                                              | Chromophobe Renal Cell Carcinoma Presenting as Hypertension in a Young Adult: A Case Report                                                                                                      |
| Republic of Korea | <b>YoungJae Ki</b>                                                                                                                                                                                    | Effect of uncontrolled systolic blood pressure in hypertensive patients as a risk factor for CIN after coronary angiography with preventative management of CIN: single center prospective study |
| Netherlands       | <b>Edwyn O. Cruz-Lopez</b> , Dien Ye, Richard Van veghel, Ingrid Garrelds, Anne Kasper, Kelly Wassarman, Ho-Chou Tu, Ivan Zlatev, Jan H. Danser                                                       | Persistent beneficial effects of angiotensinogen small interfering RNA (siRNA) and valsartan in spontaneously hypertensive rats after drug removal                                               |

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| Pakistan     | <b>Muhammad Yousuf</b> , Muhammad Usman Almani                                                                                                                                                                                                                                                                 | Gender Difference in the In-hospital Mortality for Hypertensive Heart Disease – United States Population-Based Survey Analysis                                                                             |
| Philippines  | Vikash Jaiswal, Christine Dawn Moral Daguipa, Sidra Naz, <b>Deborah Tibon</b> , Vamsikalyan R. Borra, Abhigan B. Shrestha, Akash Jaiswal, Muhammad Hanif, Jishanth Mattumpuram                                                                                                                                 | Hypertensive disorders of pregnancy and the risk of Dementia, Alzheimer’s disease, and Vascular Dementia. A Systematic review and Meta-analysis of 25,03,538 women participants.                           |
| Poland       | <b>Marcin Ufnal</b> , Lenka Tomasova, Mateusz Szudzik, Klaudia M. Maksymiuk                                                                                                                                                                                                                                    | Differential Osmolyte Profiles in Hypertensive and Normotensive Rats.                                                                                                                                      |
| Serbia       | <b>Tamara Gojkovic</b> , Daniela Ardalic, Tamara Antonic, Gorica Banjac, Aleksandra Zeljkovic, Jelena Vekic, Milica Miljkovic Trailovic, Jelena Munjas, Snezana Jovicic, Marija Saric Matutinovic, Jasmina Ivanisevic, Sandra Vladimirov, Vesna Spasojevic Kalimanovska, Zeljko Mikovic, Aleksandra Stefanovic | Advanced Lipid Status Parameters in Women with Preeclampsia                                                                                                                                                |
| South Africa | <b>Sapna Ramdin</b> , Sooraj Baijnath, Thajasvarie Naicker, Nalini Govender                                                                                                                                                                                                                                    | Arginine Vasopressin-Induced Renal Dysfunction in a Rodent Model of Preeclampsia                                                                                                                           |
| Spain        | Juan Luis Martinez, Albert Clara, Susana Vazquez, Isabel Galceran, Lidia Marcos, Maria Jose Perez Saez, Marta Crespo, <b>Anna Oliveras</b>                                                                                                                                                                     | Blood Pressure and Renal Function Outcomes After Revascularization of Renal Artery Stenosis in Patients from 3 Different Clinical Settings                                                                 |
| Switzerland  | Marc Iglarz, Peter Blattmann, Roland F. Dreier, Parisa Danaietash, Mouna Sassi-Sayadi, <b>Martine Clozel</b>                                                                                                                                                                                                   | Effect of the endothelin receptor antagonist aprocitentan on plasma endothelin, renin and aldosterone concentrations in patients with resistant hypertension. A biomarker analysis of the PRECISION study. |
| Thailand     | <b>Nutnicha Suntornlekha</b> , Srun Kuanprasert, Chatree Chai-Adisaksopha, Panas Jesadaporn, Warangkana Mekara, Krit Leemasawat                                                                                                                                                                                | The Comparison of Office Blood Pressure with Morning Home Blood Pressure: Self-Automated Measurement                                                                                                       |

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| Ukraine        | <b>Ashutosh R. Rangani</b> , Ragavendar Saravanabavanandan, Shivani Sonani, Nimrat Dhillon, Saif Syed, Ratan Pal Yadav, Ashwinikumar Shandilya, Vishrant Amin, Juhi Patel, Rohan Raj, Khushbu Patel, Hardik D. Desai, Mohit Lakkimsetti | Global Statistics of Hypertensive Heart Disease and its Trend from 1990-2021: A Benchmarking Global Analysis from the Global Burden of Disease Study 2021              |
| United Kingdom | <b>Stefanie Lip</b> , Tran QB Tran, Rebecca Hanna, Sarah Nichol, John D. McClure, Christian Delles, Lindsay McCallum, Colin Berry, Rhian M. Touyz, Sandosh Padmanabhan                                                                  | Persistent Vascular Dysfunction and Blood Pressure Elevation Over 12 Months After COVID-19 Recovery in Non-Hypertensive Adults – LOCHINVAR Study                       |
| United States  | <b>Yang Yu</b> , Baojian Xue, Alexander G. Bassuk, Alan K. Johnson, Shunguang Wei                                                                                                                                                       | Inhibition of ROR $\gamma$ t Ameliorates Angiotensin II-Induced Blood-Brain Barrier Disruption and Microglia Activation by Reducing Interleukin-17A Production in Rats |
| Vietnam        | Dung V. Nguyen, Hoai T. Nguyen, Pham Thai Giang, <b>Pham Nguyen Son</b>                                                                                                                                                                 | Sacubitril-Valsartan in Hypertension Patients with End-Stage Kidney Disease undergoing Dialysis: A Meta-Analysis                                                       |

## International Stroke Conference 2024

| COUNTRY        | AUTHOR BLOCK                                                                                                                                                                                                                                                             | PUBLISHING TITLE                                                                                                                                             |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia      | <b>Claire Kelly</b> , Jian Chen, Richard Beare, Belinda Stojanovski, Sebastian Grunt, Nedelina Slavova, Manuela Pastore-Wapp, Maja I. Steinlin, Mark T. Mackay, Joseph Yang                                                                                              | Towards Individualised Prediction of Neurodevelopmental Outcomes After Neonatal Stroke: A Brain Lesion Network Mapping Study Leveraging Large-Scale Datasets |
| Brazil         | Patricia Viana, <b>Jessica Hoffmann Relvas</b> , Thamiris Dias Delfino Cabral, Artur Menegaz de Almeida, Jorge Eduardo Zanchi Persson, Marina Zanchi Persson, Marcos Vinicius Oliveira Marques                                                                           | Dual Antiplatelet Therapy versus Alteplase in Adult Patients With Minor Ischemic Stroke: A Systematic-Review and Meta-Analysis                               |
| Canada         | <b>Raed A. Joundi</b> , Jiming Fang, Amy Y. Yu, Peter Austin, Eric E. Smith, Aravind Ganesh, Luciano Sposato, Vladimir Hachinski, Mukul Sharma, Moira K. Kapral                                                                                                          | Risk and Time-Course of Post-Stroke Dementia: A Population-Wide Cohort Study, 2002-2022                                                                      |
| China          | <b>Shangqian Jiang</b> , Xiaokun Geng, Yuchuan Ding                                                                                                                                                                                                                      | Neuroprotective Potential of Nitroglycerin (GTN) in Ischemic Stroke: Insights Into Glucose Metabolism and ER Stress Inhibition Through NO-CGMP-PKG Signaling |
| Czech Republic | <b>Robert Mikulik</b> , Rupal Sedani, Kaiz S. Asif, Natan M. Bornstein, Michael D. Hill, Pablo Lavados, Sheila Cristina Ouriques Martins, Sandy Middleton, Sung-il Sohn, Nijasri Suwanwela, P.N. Sylaja Jr., Huy Thang Nguyen, Georgios K. Tsivgoulis, H.B. Van Der Worp | Access to Acute Stroke Care: Global Perspective From Registry of Stroke Care Quality (RES-Q)                                                                 |
| Denmark        | <b>Rolf Blauenfeldt</b> , Janne K. Mortensen, Jan Valentin, David C. Hess, Soeren Johnsen, Claus Simonsen, Niels Hjort, Grethe Andersen                                                                                                                                  | The Effect of Remote Ischemic Conditioning in Stroke Subtypes: A Subgroup Analysis From the RESIST Trial                                                     |

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| Finland   | <b>Santtu Hellstrom</b> , Antti Sajanti, Ying Cao, Romuald Girard, Janek Frantzen, Fredrika Koskimaki, Juzoh Umemori, Johannes Falter, Sean Lyne, Tomi Rantamäki, Kenneth Nazir, Bharat Gajera, Jussi Posti, Susanna Roine, Riikka Takala, Sulo Kolehmainen, Miro Jänkälä, Jukka Puolitaival, Mikko Kauppinen, Melissa Rahi, Jaakko Rinne, Anni Nieminen, Eero Castren, Janne Koskimaki | Common Molecular Biomarkers in Different Types of Acute Brain Injuries Predicting Outcome                                                                                            |
| France    | <b>Ahmad Nehme</b> , Clothilde Isabel, Nelly Dequatre, Caroline Arquizan, Alexis Régent, Benoît Guillon, Jean Capron, Olivier Detante, Sylvain Lanthier, Alexandre Y. Poppe, Grégoire Boulouis, Sophie Godard, Benjamin Terrier, Christian Pagnoux, Achille Aouba, Emmanuel Touze, Hubert de Boysson, Cohort of Patients with PACNS study group                                         | Functional Outcome Prediction in Primary Angiitis of the Central Nervous System                                                                                                      |
| Germany   | <b>Love-Preet Kalra</b> , Sabina Zylyftari, Kristaps Blums, Stephan Barthelmes, Sebastian Humm, Hannsjoerg Baum, Stephan Meckel, Sebastian Luger, Christian Foerch                                                                                                                                                                                                                      | Rapid Prehospital Diagnosis of Intracerebral Hemorrhage by Measuring GFAP on a Point-of-Care Platform                                                                                |
| India     | Kriti Kalra, <b>Vikash Jaiswal</b> , Akash Jaiswal, Jia Ee Chia, Song Peng Ang, Nishchita Raj, Zarghoona Wajid                                                                                                                                                                                                                                                                          | Efficacy of Colchicine for Prevention of Stroke and Major Adverse Cardiovascular Events in Patients With Coronary Artery Disease: A Meta-Analysis of 15 Randomized Controlled Trials |
| Indonesia | <b>Rissito C. Darumurti</b> , Vita Widayarsi, Agus Taufiqurrohman                                                                                                                                                                                                                                                                                                                       | Connecting the Dots: Human Development Index and Stroke Burden in ASEAN                                                                                                              |
| Ireland   | <b>Shannon Gray</b> , Ciara Brennan, Pamela Gallagher, Brian Slattery                                                                                                                                                                                                                                                                                                                   | Variables Associated With Post-Stroke PTSD; a Systematic Review and Narrative Synthesis                                                                                              |
| Israel    | <b>Hen Hallevi</b> , Oren Tene, Aviva Alpernas, Jeremy Molad, Einor Ben Assayag                                                                                                                                                                                                                                                                                                         | CCR5 Polymorphism - A Possible Protective Factor for Post-Stroke PTSD Symptoms                                                                                                       |

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| Italy                  | <b>Davide Bartoli</b> , Gianluca Pucciarelli, Antonello Petrizzo, Ercole Vellone, Rosaria Alvaro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Outcomes of the Relationship Between Telehealth and Caregiver-Stroke Survivor Dyad, in the Rehabilitation Phase: A Systematic Review                                                                                        |
| Japan                  | <b>Kanta Tanaka</b> , Hiroshi Yamagami, Muhammad Qureshi, Kazutaka Uchida, James E Siegler III, Raul G Nogueira, Shinichi Yoshimura, Nobuyuki Sakai, Daniel Strbian, Simon Nagel, Jelle Demeestere, Volker Puetz, Diogo C Haussen, Mohamad AbdalKader, Marta Olive-Gadea, Mahmoud Mohammaden, João Pedro Marto, Anne Dusart, Simon M Winzer, Liisa Tomppo, Francois Caparros, Hilde Henon, Flavio Bellante, João Nuno Ramos, Santiago Ortega-Gutierrez, Sunil Sheth, Stefania Nannoni, Johannes Kaesmacher, Lieselotte Vandewalle, Nicolas Martinez-Majander, Sergio Salazar-Marioni, Mudassir Farooqui, Pekka Virtanen, Rita Ventura, Syed F Zaidi, Alicia Castonguay, Ajit S Puri, Behzad Farzin, Hesham Masoud, Piers Klein, Davide Strambo, Markus Möhlenbruch, Peter Ringleb, Osama Zaidat, Jean Raymond, Robin Lemmens, Marc Ribo, Patrik Michel, Thanh Nguyen | Outcomes of Endovascular Therapy for Late Large Vessel Occlusion in Patients With Pre-Stroke Disability                                                                                                                     |
| Republic of Korea      | <b>Dong-Wan Kang</b> , Do Yeon Kim, Jonguk Kim, Nakhoon Kim, Yoona Ko, Jeongmin Cha, Jae Won Song, Jun Yup Kim, Sung Hyun Baik, Cheolkyu Jung, Moon-Ku Han, Hee-Joon Bae, Beom Joon Kim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Temporal Changes in Intracranial Arterial Diseases: A Longitudinal High-Resolution Vessel Wall Imaging Analysis                                                                                                             |
| Libyan Arab Jamahiriya | <b>Muhammed Khaled Elfaituri</b> , Ala Khaled, Hazem Abdelkarem Abdelkarem Faraj, Ahmed Msherghi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Accuracy of Dual-Energy Computed Tomography for Differentiation Between Cerebral Hemorrhage and Contrast Extravasation Following Mechanical Revascularization in Acute Ischemic Stroke: A Diagnostic Accuracy Meta-Analysis |

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| Mexico       | <b>Luis E. Martínez-Bravo</b> , Diego A. Hidalgo-Díaz                                                                                                                                                                                                                                                                                                              | The Association Between Frailty and Survival in Older Mexican Patients With Acute Ischemic Stroke                                               |
| Netherlands  | <b>Shan Sui Nio</b> , Leon A. Rinkel, Olivia N. Cramer, Z. B. Özata, Chiel Beemsterboer, Valeria Guglielmi, Berto Bouma, S. Boekholdt, Nick H. Lobé, Ludo Beenen, Henk Marquering, Charles B. Majoie, Yvo Roos, Adrienne van Randen, R. Nils Planken, Jonathan M. Coutinho                                                                                         | Slow-Flow in the Left Atrial Appendage on Cardiac CT in Patients With Acute Ischemic Stroke                                                     |
| New Zealand  | James Diprose, <b>William Diprose</b> , Tuan-Yow Chien, Michael Wang, Andrew McFetridge, Gregory P. Tarr, Kaustubha Ghate, James Beharry, Jae Beom Hong, Teddy Y. Wu, P. A. Barber                                                                                                                                                                                 | Deep Learning on Pre-Procedural CT and Clinical Data Predicts Outcome Following Stroke Thrombectomy                                             |
| Pakistan     | <b>Muhammad Sohaib</b> , Muhammad T. Chaychi, Muhammad S. Mannan, Talha Shafiq, Haris Kamal, Muhammad K. Ahmed                                                                                                                                                                                                                                                     | Demographic Trends in Stroke-Related Mortality in Young Adults (Age:15-55 Year) With Concomitant Opioid Use in the United States From 1999-2020 |
| Saudi Arabia | <b>Ahmed Alkhiri</b> , Aser Alamri, Ahmed A. Almaghrabi, Basil A. Alghamdi, Abdullah Alharbi, Fahad Alturki, Adel A. Alhazzani, Fahad S. Al-ajlan                                                                                                                                                                                                                  | Minimally Invasive Surgery for Intracerebral Hemorrhage: Meta-Analysis of High Quality RCTs                                                     |
| Singapore    | Sethu Raman Boopathy Sr., Christensen Soren, Andras Nemes, Davor Pavlin-Premrl, Milad Mohammadzadeh, Bhogal Paul, Tommy Andersson, Leonard L. Yeo, Bruce Campbell, <b>Bernard Chan</b>                                                                                                                                                                             | A CT Perfusion Based Computational Modeling for Improved Risk Stratification of Haemodynamically Significant ICAD                               |
| Spain        | David Hernandez Morales, <b>Manuel Requena</b> , Marta de Dios Lascuevas, Marta Olive-Gadea, Laura L. Gramegna, Marian Muchada, Eila Rivera, Alvaro Garcia-Tornel, Federica Rizzo, Carlos Piñana, David Rodriguez-Luna, Jorge Pagola, Francesco Diana, Jesus M. Juega, Noelia Rodriguez-Villatoro, Marta Rubiera, Carlos A. Molina, Marc Ribo, Alejandro Tomasello | Radial versus Femoral Access for Mechanical Thrombectomy in Patients With Large Vessel Occlusion: A Randomized Clinical Trial                   |

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| Switzerland    | <b>Johannes Kaesmacher</b> , Fabiano Cavalcante, Manon Kappelhof, Kilian Treurniet, Leon A. Rinkel, Jianmin Liu, Bernard Yan, Wenjie Zi, Kazumi Kimura, Omer Eker, Yongwei Zhang, Eike Piechowiak, Wim van Zwam, Sheng Liu, Daniel Strbian, Maarten Uyttenboogaart, Tomas Dobrocky, Miao Zhongrong, Kentaro Suzuki, Zhang Lei, Robert Van V. Oostenbrugge, Thomas Meinel, Changwei Guo, David Seiffge, Congguo Ying, Lukas Bütikofer, Hester Lingsma, Peter J. Mitchell, Pengfei Yang, Charles B. Majoie, Yvo Roos, Urs M. Fischer, Jan Gralla | Time to Treatment and the Effect of Intravenous Thrombolysis Before Thrombectomy: An Individual Participant Data Meta-Analysis                                                  |
| Taiwan         | <b>Wen-Jung Chen</b> , Tze-Yen Lin, Chia-Lang Hsu, Che-Feng Chang                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Membrane Lipid-Sensing Receptor MS4A Modulates Microglial Reparative Phenotype in Acute Germinal Matrix Hemorrhage-Intraventricular Hemorrhage (GMH-IVH)                        |
| United Kingdom | <b>Ramon Luengo-Fernandez</b> , Linxin Li, Matthew Downer, Peter Rothwell                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Association Between Socioeconomic Deprivation, Stroke Incidence and Long-Term Outcome: 10-year Follow-Up From a Population-Based Cohort Study of All Strokes in Oxfordshire, UK |
| United States  | <b>Kent P. Simmonds</b> , Audrie Chavez, Nneka L. Ifejika                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Bleeding Risks for Acute Ischemic Stroke Patients on Serotonergic Antidepressants and Anticoagulation/Dual Anti-Platelet Therapy                                                |
| Uruguay        | <b>Maria Paz Rodriguez</b> , Shayandokht Taleb, Kaiser Permanente, Jenny Ji-hyun Lee, David S. Liebeskind, Jeffrey L. Saver                                                                                                                                                                                                                                                                                                                                                                                                                    | The Hemispheric-Aspects Scale: An Expanded Scan Assessment System Appropriate for ICA Occlusions                                                                                |

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| Vietnam | <b>Chinh Quoc Luong</b> , Tuan Anh Nguyen, Ton Duy Mai, Luu Dang Vu, Hung Manh Ngo, Hai Bui Hoang, Tuan Anh Tran, Trang Quynh Pham, Dung Thi Pham, My Ha Nguyen, Linh Quoc Nguyen, Phuong Viet Dao, Duong Ngoc Nguyen, Hien Thi Vuong, Vietnam-Czechoslovakia Friendship Hosp, Hai Phong, Viet Nam; Hung Dinh Vu, Dong Duc Nguyen, Thanh Dang Vu, Dung Tien Nguyen, Anh Le Do, Cuong Duy Nguyen, Son Ngoc Do, Hao The Nguyen, Chi Van Nguyen, Anh Dat Nguyen, Co Xuan Dao | Predictive Validity of the Modified World Federation of Neurosurgical Societies Subarachnoid Hemorrhage Grading System (Modified WFNS Scale) for the Outcome of Patients With Aneurysmal Subarachnoid Hemorrhage |
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## Resuscitation Science Symposium 2024

| COUNTRY   | AUTHOR BLOCK                                                                                                                                                                                             | PUBLISHING TITLE                                                                                                                                                                 |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia | L.E. Oongu, <b>J. Bray</b> , G.D. Perkins, C. Smith, C. Vaillancourt, F. Folke, T. Olasveengen                                                                                                           | The Impact of Locked Cabinets for Automated External Defibrillators (Aeds) on Cardiac Arrest Outcomes: A Scoping Review                                                          |
| Belgium   | <b>M. Stiers</b> , J. Guldentops, C. Genbrugge, O. Hoogmartens, M. Sabbe, T. Schepens, J. Vercauteren, B. Marinus, A. Neyrinck                                                                           | Resuscitation of Lungs after Cardiac Arrest with Ex-Vivo Lung Perfusion: A Bench Study to Minimize Ventilator-Induced Lung Injury through Flow Modulation                        |
| Brazil    | <b>C.T. Castro</b> , J. Vaz, M. Oliveira Tripoli de Mattos, J.N. Barbisan                                                                                                                                | Effect Of A Visual Feedback Device On The Acquisition Of Cardiopulmonary Resuscitation Skills In Training Certified By The American Heart Association: Randomized Clinical Trial |
| Canada    | <b>I. Drennan</b> , A. Lee, J. Heroux, M. Lee, J. Riches, S. Cheskes                                                                                                                                     | The Impact of Real-Time Feedback on Ventilation Quality During Out-of-Hospital Cardiac Arrest: A Before-and-After Study                                                          |
| China     | X. Sui, W. Xu, C. Yin, B. cui, T. Wu, C. Liu, <b>F. Han</b>                                                                                                                                              | Protective effects of hemodilution in emergency cardiopulmonary bypass resuscitation after cardiac arrest                                                                        |
| Denmark   | F. Ettl, M. Krammel, P. Sulzgruber, K. Krychtiuk, R. Stieglis, H. van Schuppen, H.L. Tan, S. Schnaubelt, A.K. Ersboell, <b>L.D. Flarup</b> , C. Malta Hansen, S.H. Kjaerholm, F. Folke, A. Juul Grabmayr | Response Times and Survival for Out-of-Hospital Cardiac Arrest Patients in Public Housing                                                                                        |
| Finland   | J. Kopra, E. Litonius, R. Oestman, M.B. Skrifvars, L. Mehtonen, M. Laitinen, J. Heinonen, <b>P.T. Pekkarinen</b>                                                                                         | Chest compression synchronized ventilation is associated with improved oxygenation but also with increased incidence of pneumothoraces in an experimental CPR model              |

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| France            | <b>N. Second</b> , P. Pourzand, J.C. Moore, A. Metzger, M. Suresh, K.G. Lurie, B. Salverda, G.P. Debaty, K. Bachista                                                                                                                                               | Optimizing Post-resuscitation Care after Resuscitative Endovascular Balloon Occlusion of the Aorta and Automated Head-up Position Cardiopulmonary Resuscitation. |
| Germany           | <b>S. Orlob</b> , J. Wnent, J. Graesner, W.J. Kern, B. Hackl, M. Holler, A. Bohn, G. Putzer, J. Martini, M. Eichlseder, C. Klivinyi, N. Schreiber                                                                                                                  | Enhancing Cardiac Arrest Registries and Research – A Framework for Handling Defibrillator Data                                                                   |
| Japan             | <b>T. Tamura</b> , C. Cheng, J. Chen, A.B. Villasenor-Altamirano, K. Yamada, J. A. Menon, R. Baron, L. Merriam, E.Y. Kim, X.D. Chen, H. Chung, F. Chen, E.A. Bohula, D.A. Morrow, A. Weissman, M. Brenner, X. Chen, K. Hayashida, K. Ikeda, F. Ichinose, P. Lawler | Sulfatide-specific natural killer T cells regulate early inflammation and ameliorate post-cardiac arrest brain injury                                            |
| Republic of Korea | <b>S.Y. Jeon</b> , J. Park, C. Kang, Y. You, W. Jeong, H. Ahn, J. Min                                                                                                                                                                                              | Neurological Prognostication in Cardiac Arrest Survivors: Correlation Between Biomarker Molecular Weight and Blood-Brain Barrier Disruption                      |
| Netherlands       | <b>R. Edgar</b> , M. Brouwer, R. Beukema, A. Cetinyurek Yavuz, N. Royen, J. Bonnes, N. Scholte, S. Yap, N. Van Mieghem, E. Boersma, K. Ebrahimkheil, P. Stas, M. Mafi-Rad, K. Vernooy, E. Ronner                                                                   | Automated cardiac arrest detection incorporated in a wristband: First experience with spontaneous cardiac arrest detection                                       |
| Norway            | <b>V. Nordviste</b> , M. Rehn, J. Brede, A. Kruger                                                                                                                                                                                                                 | Time difference between pad placement in double versus single external defibrillation: a live patient simulation model                                           |
| Poland            | M. Dudzikowska, Z. Siudak, <b>M. Putowski</b>                                                                                                                                                                                                                      | Cerebral Oxygen Saturation Measurement Using Near-Infrared Spectroscopy During In-Hospital Cardiac Arrest Predicts Early Outcome                                 |

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| Singapore     | <b>G. Wee</b> , A.L. Blewer, M.E. Ong, C.B. Granger, N. Shahidah, C. Hansen, T. Ostbye, M.A. Starks, L. Hart                 | Sex Differences in Bystander Cardiopulmonary Resuscitation and Survival to Hospital Discharge for Public Out-of-Hospital Cardiac Arrests in North Carolina and Singapore |
| Slovenia      | <b>N. Fijacko</b> , V.M. Nadkarni, B. Abella                                                                                 | Healthcare Students' Attitudes on Adult Basic Life Support Training via Virtual Reality: An Exploratory Study                                                            |
| Spain         | J.K. Russell, M.R. Daya, <b>J. Uriguen</b> , J. Gutierrez, M. Leturiondo, K. Redondo                                         | The Trend of Standardized ETCO <sub>2</sub> After ROSC May Reveal Cellular Damage During Cardiac Arrest                                                                  |
| Taiwan        | <b>C. Chen</b> , C. Sung, Y. Chih, E. Huang                                                                                  | Predictive Model and Factors for Out-of-Hospital Cardiac Arrest in Geriatric Patients with insomnia: A Longitudinal Study                                                |
| United States | <b>J. Coult</b> , S. Bhandari, J.A. King, H. Kwok, J.E. Blackwood, N.J. Johnson, M.R. Sayre, M.R. Daya, T. Rea, P. Kudenchuk | Feasibility and Implications of Electrocardiogram-based Prediction of Incessant Refractory Ventricular Fibrillation                                                      |

## Scientific Sessions 2024

| COUNTRY                | AUTHOR BLOCK                                                                                                                                                                                                                                                                                                                                          | PUBLISHING TITLE                                                                                                                                                                                  |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Algeria                | <b>Zina Otmani</b> , Noura Abdrabou, Hazem Ayman Elsayed, Mahmoud Diaa Hindawi, Ahmed K. Awad                                                                                                                                                                                                                                                         | Efficacy of Mavacamten on Echocardiographic Parameters and Cardiac Biomarkers in Hypertrophic Cardiomyopathy Patients: A Systematic Review and Meta-Analysis                                      |
| Argentina              | <b>Bruno Linetzky</b> , Sophia Kyoungah See, Xiaotian Zhang, Adam Stefanski, Jonathan Wilson, Giacomo Ruotolo                                                                                                                                                                                                                                         | Body weight reduction-associated and -unassociated changes in lipid profile in people with obesity, with or without T2D, treated with tirzepatide: post-hoc analysis of SURMOUNT-1 and SURMOUNT-2 |
| Australia              | <b>Zhen Zhou</b> , Katherine Webb, Mark R. Nelson, Robyn Woods, Michael E. Ernst, Rory Wolfe                                                                                                                                                                                                                                                          | Short- and long-term impact of aspirin cessation in older adults: a target trial emulation                                                                                                        |
| Austria                | <b>Mariann Gyongyosi</b> , Emilie Han, Dominika Lukovic, Ena Hasimbegovic, Benjamin H. White, Artur Gynter, Veronika Mancikova, Imre Pavo, Ina Michel-Behnke                                                                                                                                                                                          | Central role of LIM domain binding 3 (LDB3) protein in Tetralogy of Fallot assessed by single-nuclei multiome profiling of paediatric right ventricular samples                                   |
| Belgium                | <b>Jarne De Paepe</b> , Paolo D'Ambrosio, Ruben De Bosscher, Rik Pauwels, Christophe Dausin, Youri Bekhuis, Kristel Janssens, Jan Bogaert, Adrian Elliott, Olivier Ghekiere, Caroline Van De Heyning, Prashanthan Sanders, Jonathan Kalman, Diane Fatkin, Lieven Herbots, Rik Willems, Tomas Robyns, Hein Heidbuchel, Andre La Gerche, Guido Claessen | The Interplay Between Exercise Load, Myocardial fibrosis, Ventricular Systolic Dysfunction and Ventricular Arrhythmias                                                                            |
| Bosnia and Herzegovina | <b>Buena Aziri</b> , Edin Begic, Catalina Herran-Fonseca, Laura Jekov, Ana Gabriela Ponte Farias, Carlotta Persaud, Norma N. Gamarra, Maysa Vilbert, Fahad Alabbas                                                                                                                                                                                    | Risk of Cardiac Events of New-generation versus Old-generation Bruton Tyrosine Kinase Inhibitors in Patients with Hematological Malignancies: A Systematic Review and Meta-analysis of RCTs       |

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| Brazil   | <b>Rodrigo N. Campos</b> , Dalmo Moreira, Gabriel M. Fonseca                                                                                                                                                                                                                                                                                                 | Effect of the sodium-glucose co-transporter 2 inhibitor, Dapagliflozin, on ventricular repolarization electrocardiographic parameters: DAPA-ECG study |
| Canada   | <b>Chao Li</b> , Aihua Liu, Solomon Bendayan, Liming Guo, Judith Therrien, Archer Yang, Robyn Tamblyn, Jay Brophy, Yue Li, Ariane J. Marelli                                                                                                                                                                                                                 | Multimorbidity Trajectories Across the Lifespan in Patients with Congenital Heart Disease                                                             |
| Chile    | <b>Maria Paz Ocaranza</b> , Ruth Sepulveda, Jackeline Moya, Joaquin Rojas, Patricio A. Araos, Cristian Amador, Marcela Hermoso, Luigi Gabrielli, Jorge Jalil                                                                                                                                                                                                 | Differential Cardiac Protective Resident Macrophages In Female Mice With Heart Failure With Preserved Ejection Fraction                               |
| China    | <b>Qinchun Jin</b> , Xiaochun Zhang, Daxin Zhou                                                                                                                                                                                                                                                                                                              | Transcatheter annuloplasty of tricuspid regurgitation with the K-Clip system: one-year results from the TRISTAR study.                                |
| Colombia | <b>Isabella Casallas</b> , Camilo Eduardo Perez Cualtan, Javier Navarro Rueda, Laura Acosta-Izquierdo, Julian Francisco Forero, Juan Manuel Perez, Juan Carlos Briceno, Carlos Guerrero                                                                                                                                                                      | "Simple Arithmetic Representation to Classify of Right Ventricular Outflow Tract in Tetralogy of Fallot Patients "                                    |
| Czechia  | <b>Lukas Poviser</b> , Petr Stros, Jana Vesela, Karol Curila                                                                                                                                                                                                                                                                                                 | A novel approach for LV delay evaluation: non-invasive QLV measurement using UHF ECG                                                                  |
| Denmark  | <b>Anika Klein</b> , Rasmus P. Beske, Christian Hassager, Lisette Okkels Jensen, Hans Eiskjaer, Norman Mangner, Amin Polzin, Christian Schulze, Carsten Skurk, Peter Nordbeck, Peter Clemmensen, Vasileios Panoulas, Sebastian Zimmer, Andreas Schaefer, Thomas Engstrom, Lene Holmvang, Anders Junker, Henrik Schmidt, Christian J. Terkelsen, Jacob Moller | Treating Elderly Cardiogenic Shock Patients with a Microaxial Flow Pump; Is It DANGERous?                                                             |

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| Dominican Republic | <b>Jose E. Fuentes</b> , Karla M. Garcia Almonte, Claudia Suero, Ana Paula Urena Neme, Jorge Tarafa, Pedro Urena V.                                                                                                                  | Beyond Closure: A Case Report on Coronary Steal Syndrome by Previously Embolized Internal Mammary Artery Side Branch                                                                          |
| Egypt              | <b>Kerollos H. Abdelsayed</b> , Basma E. Amer, Michele Fouad, Khaled Elfert, Sittinun Thangjui, Sandi Banour, Basel Abdelazeem                                                                                                       | Evaluating Perioperative Colchicine's Influence On New-Onset Heart Block After Transcatheter Aortic Valve Implantation: A US Multicenter Retrospective Analysis                               |
| Finland            | <b>Andrew O. Agbaje</b>                                                                                                                                                                                                              | Incidental and progressive tobacco smoking from childhood through young adulthood with premature structural and functional cardiac damage in 1931 children: A 14-Year Longitudinal Study      |
| France             | <b>Guillaume Mahe</b> , Adrien Chanteau, Pierre Jehannin, Mary Lynn Mimassi, Alan Donnelly, Marjolaine Talbot, Clement Hoffmann, Samir Henni, Estelle Le Pabic, Alessandra Bura, Adrien Kaladji, Damien Laneelle, Alexis Le Faucheur | Efficacy of calf neuromuscular electrical stimulation program on maximal walking distance in peripheral artery disease patients: results of the ELECTROPAD randomized controlled trial.       |
| Germany            | <b>David Fueller</b> , Chang Liu, David N. Boten, Oliver Ritter, Gesine Doerr, Vardhmaan Jain, Shivang Desai, Laurence Sperling, Yan Sun, Arshed A. Quyyumi                                                                          | Comparative Effects of Education and Income Levels and Cardiovascular Risk Factors for the Risk of Ischemic Heart Disease, Ischemic Stroke, or Peripheral Artery Disease Associated Mortality |
| Ghana              | <b>Dzifa Ahadzi</b> , Claudia Leung, Rahma I. Al-Hassan, Yabasin Iddrisu Baba, Abdul-Subulr Yakubu, Annette A. Cournoo, Scott Ikeda, Samuel Y. Alomatu, Patience Sakeah, Laud Boateng, Odalys Rivera Hernandez, Prosper Akanbong     | Adaptive Cardiac Arrest Training Curriculum for Capacity Building in Northern Ghana: Addressing Contextual Challenges for Sustainability                                                      |
| Greece             | Efstratios Karagiannidis, Andreas Papazoglou, Thomai Mouskeftara, Olga Deda, Theodoros Liapikos, Eleftherios Panteris, Barbara Fyntanidou, Nikolaos Fragakis, George Theodoridis, Helen Gika, <b>George Giannakoulas</b>             | Combining novel lipid biomarkers with deep learning algorithms to develop an initial non-invasive screening approach for ruling out obstructive coronary artery disease                       |

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| Hungary                  | <b>Tamás Gergely</b> , Zsafia D. Drobni, Tamás Kovacs, Nabil Sayour, Viktoria Eva Toth, Zsafia Onodi, Marton Kocsis, Nora Fekete, Eva Pallinger, Edit Buzas, Tomas G. Neilan, Peter Ferdinandy, Zoltan Varga                                                                        | Abatacept prevents anti-PD-1-induced inflammatory heart failure development after myocardial ischemic injury in mice                                                                                                                                                        |
| India                    | Raman Puri, <b>Kunal Mahajan</b> , Rajeev Agarwala, Ashu Gupta, Aditya Batra, Aziz Khan, Vinod Vijan, Jai Bharat Sharma, Surender Himral                                                                                                                                            | Aggressive LDL cholesterol lowering post ACS with triple combination therapy: Insights from the multicentric LAI-REACT study                                                                                                                                                |
| Indonesia                | <b>Jesslyn N. Hariyanto</b> , Catherine Jillian Hardi, Jessica Anastasia Setiawan, Sunanto Ng                                                                                                                                                                                       | Have Gender-Specific Outcomes After STEMI Improved? – A Meta-Analysis of the Past Decade                                                                                                                                                                                    |
| Islamic Republic of Iran | Asma Mousavi, Shayan Shojaei, Hamidreza Soleimani, Davood Semirani-Nezhad, Pouya Ebrahimi, Ali Zafari, Rasoul Ebrahimi, Khatere Roozbehi, Anil Harrison, Mushabbar Syed, Polydoros Kampaktsis, Toshiki Kuno, Sean Heffron, Marc Samsky, Mani Khorsand Askari, <b>Kaveh Hosseini</b> | Safety, Efficacy and Cardiovascular Benefits of Combination Therapy with Sodium-Glucose Co-Transporter-2 Inhibitors and Glucagon-Like Peptide-1 Receptor Agonists in Patients with Diabetes Mellitus: A Systematic Review and Meta-Analysis of Randomized Controlled Trials |
| Iraq                     | <b>Hashim Talib Hashim</b> , Ahmed Qasim Mohammed Alhatemi, Sania Riaz, Zahraa Hussein Ali, Mohamed K. Rifai, Humza Saeed, Shehroze Tabassum, Fatimah Abdullah Sulaiman, Ahmed Dheyaa Al-Obaidi, Omar Saab                                                                          | Meta-Analysis of Efficacy and Safety in DAPT De-escalation: Transitioning from Ticagrelor to Clopidogrel in Acute Myocardial Infarction Following Percutaneous Coronary Intervention at twelve-Month Follow-Up                                                              |
| Ireland                  | <b>Li Yen Ng</b> , Colin McMahon, Adam James                                                                                                                                                                                                                                        | The effect of homebase exercise training on single ventricle heart (SVH) function, exercise performance, body composition and quality of Life in children and adolescents living with a Fontan circulation                                                                  |
| Israel                   | <b>Ofir Brem</b> , Elchanan Samuels, Tamir Bental, Ilan Richter, Ran Kornowski, Rafael Hirsch, Guy Witberg, Nili Schamroth Pravda                                                                                                                                                   | Early Findings on the Impact of Renin-Angiotensin-Aldosterone System Inhibitors on Bicuspid Aortic Valve Disease Progression: A Single Center Cohort Study                                                                                                                  |

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| Italy             | <b>Lorenzo Santini</b> , Jose Manuel Pioner, Cecilia Ferrantini, Chiara Palandri, Lucrezia Giammarino, Monica Musumeci, Chiara Tesi, Elisabetta Cerbai, Corrado Poggesi, Raffaele Coppini                            | Electrophysiological and Mechanical Characterization of Human Ventricular Myocardium from Patients with Primary or Secondary Cardiac Hypertrophy  |
| Japan             | <b>Keimei Yoshida</b> , Eszter Toth, Erik Duijvelaar, Beau Neep, Stuti Agarwal, Xiaoke Pan, Takayuki Sanada, Yu Yoshida, Jurjan Aman, Vinicio A. Dejesus, Louis Handoko, Kohtaro Abe, Xiao-Qing Sun, Harm J. Bogaard | Empagliflozin Improves Mitochondrial Biogenesis in Pulmonary Arterial Hypertension                                                                |
| Jordan            | <b>Ibrahim Al-Sawalha</b> , Mohammad Al-Bdour, Abdel Qader Abu Salih, Rula Al-Shimi, Mohammad Al-Slehat, Suhel F. Batarseh, Nebras Jaloudi, Amjad Almansi                                                            | Transendocardial Stem Cell Therapy Improves Cardiac Parameters in Chronic Ischemic Heart Failure: A Meta-analysis of Randomized Controlled Trials |
| Republic of Korea | <b>YongHun Lee</b> , Jeffrey Feng, Al Rahrooh, Alex A. Bui, Christopher Cooper, Jeffrey J. Hsu                                                                                                                       | Maximal Oxygen Uptake Prediction From Resting and Submaximal Variables of Cardiopulmonary Exercise Testing by Using Machine Learning Methods      |
| Libya             | <b>Ahmed Elfaituri</b> , Hazem Abdelkarem Faraj, Alhasan Saleh Alzubi, Ala Khaled, Muhammed K. Elfaituri                                                                                                             | Comparative Safety and Efficacy of Transfemoral versus Subclavian Approaches in Transcatheter Aortic Valve Implantation: A Meta-Analysis          |
| Luxembourg        | Melanie Vausort, Hassina Boubakeur, Lu Zhang, Guy Fagherazzi, Markus Ollert, <b>Yvan Devaux</b>                                                                                                                      | Long Noncoding RNAs to Predict COVID-19 Neuro-Cardio-Vascular Outcomes                                                                            |
| Malaysia          | Song Peng Ang, <b>Jia Ee Chia</b> , Jose Iglesias, Kwan S. Lee                                                                                                                                                       | Trends and Sociodemographic Disparities in Cardiovascular Mortality Among People Living with HIV: A Retrospective Analysis from 1999 to 2020      |

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| Mauritius   | Jasninder S. Dhaliwal, Parampreet Johal, Nomesh Kumar, Rahul Singla, Kanwar Bir Singh Dhaliwal, Renuka Verma, <b>Kamleshun Ramphul</b> , Manraj S. Sekhon, Arush Rajotia, Hemamalini Sakthivel                                                                                                                  | Sex-Based Differences in In-Hospital Complications Among Older Patients With Prior Myocardial Infarction Undergoing Cardiac Resynchronization Therapy-Defibrillator Implantation; An Analysis of 13695 Procedures in the United States |
| Mexico      | <b>Braiana Diaz</b> , Carlos Alan Castro García, Karen Gissel Velez Talavera, Edgar Roman-Rangel, Pilar Espinosa, Santiago March, Alexandra Arias, Diego Araiza                                                                                                                                                 | Derivation Of An Artificial Intelligence - Based Electrocardiographic Model For The Detection Of Acute Coronary Occlusive Myocardial Infarction                                                                                        |
| Nepal       | <b>Abhigan B. Shrestha</b> , Tanzina Afroze, Vikash Jaiswal, Ravi Sankar Reddy Edara, Aman Goyal, Suman Kadariya, Soney Basnyat                                                                                                                                                                                 | New-onset Atrial Fibrillation and Associated Long-Term Cardiovascular Morbidity and Mortality in Patients with Type 2 Diabetes Mellitus; A Meta-analysis of 16 million patients.                                                       |
| Netherlands | Aida Lluçia-Valldeperas, <b>Jessie Van Wezenbeek</b> , Joanne Groeneveldt, Gonzalo Sanchez-Duffhues, Anton Vonk Noordegraaf, Harm J. Bogaard, Marie Jose Goumans, Frances S. De Man                                                                                                                             | BMP10 as novel marker for right atrial dilatation and pressure in precapillary pulmonary hypertension                                                                                                                                  |
| Nigeria     | Endurance O. Egbayekha, <b>Eugene Omoike</b> , Gabriel Alugba, Jayadev Sajja, Uthman Younis, Craig K. Reiss                                                                                                                                                                                                     | Association Between Protein Energy Malnutrition and Transplant Rejection in the Heart Transplant Population. A Retrospective Inpatient Database Analysis                                                                               |
| Norway      | <b>Lars-Egil Hammersboen</b> , Espen A. Boe, Jurgen Duchenne, John Aalen, Hans Henrik Odland, Manuel Villegas-Martinez, Vette Christoffer Frostelid, Faraz Khan, Ole Jakob Sletten, Marit Witsoe, Helge Skulstad, Filip Rega, Olivier Gheysens, Jens-Uwe Voigt, Otto A. Smiseth, Marie Stugaard, Espen W. Remme | Pressure-Volume Analysis by Three-Dimensional Echocardiography: A Novel Method to Estimate Left Ventricular Efficiency                                                                                                                 |

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| Oman        | <b>Fatma Y. Al Hadabi</b> , Mohammed Al Hadhrami, Ahmed Al Saidi, Raheela A. AttaUllah, Muna Alshahri, Amal Al-Hashmi                                                                                                                                   | Factors Associated with Delay Presentation of Acute Ischemic Stroke to Emergency Department in Oman                                                                                                                                          |
| Pakistan    | Khawaja Abdul Rehman, <b>Rohab Sohail</b> , Muhammad Ahsen Niazi, Ramsha Mumtaz, Faraz Arshad, Javeria Javeid, Ansab Godil, Salman Sani, Sameen Aftab, Bisma Akram, Sabin Zafar, Maham Zaman, Qazi Muhammad Zarlish                                     | Sex, Race and Age Group Disparities in Pericardial Diseases Related Mortality Rates; Data from CDC Wonder 1999-2022                                                                                                                          |
| Paraguay    | <b>Esteban Rodriguez Ferreira</b> , Maria Agustina Callizo Bedoya, Jesslyn N. Hariyanto, Gharira Batool, Maria Vargas, Jesse N. Medina, Bertrand Ebner, Raul A. Torres Heisecke, Rosario Colombo                                                        | Clinical and Angiographic Outcomes of Paclitaxel-Coated versus Limus-Coated Balloons for Coronary In-Sent Restenosis: A Systematic Review and Meta-analysis                                                                                  |
| Peru        | <b>Carlos Zavaleta Corvera</b> , Caroline Dominguez-Herido, Zulema Mamani-Condori, Joaquin Chavez-Cano, Marina Atena Bustamante Ordoñez, Alexis Ccoyllo Mayhuasca, Ruth Campos-Ramos, Jose Caballero-Alvarado                                           | Effect Of Renal Denervation In Combination With Cardiac Ablation On The Recurrence Of Atrial Fibrillation: A Systematic Review and Meta-Analysis                                                                                             |
| Philippines | Frederick B. Rivera, <b>Marielle Nicole Chin</b> , Jade Monica Marie Rugeras, Wailea Faye Salva, Rajiv Hans Menghrajani, Drashti Desai, Sarang Choi, Gerard Francis Mangubat                                                                            | Glucagon-like Peptide 1 Receptor Agonists Effect on Low-Density Lipoprotein Cholesterol and Total Cholesterol Levels Independent of Weight Reduction: A Meta-analysis and Meta-regression of Placebo-controlled Randomized Controlled Trials |
| Poland      | <b>Piotr Szczepaniak</b> , Tomasz Mikolajczyk, Ewelina Jozefczuk, Diana Hodorowicz-Zaniewska, Joanna Streb, Jakub Jurczyk, Katarzyna Gara, Mateusz Siedlinski, Jaroslaw Krolczyk, Joanna Sulicka-Grodzicka, Iwona Laksa, Tomasz Grodzicki, Tomasz Guzik | Menopausal Status Protects Against Vascular Dysfunction Induced by Breast Cancer Chemotherapy                                                                                                                                                |

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| Qatar              | <b>Alaa Rahhal</b> , Hashim Mohammad, Sham AlKodmani, Firas Hamsho, Wael Hamam, Nawras Al-Tikrety, Noor Moustafa, Yamane Chawa, Barakat Aladwan, Mohamad Wajeh Dulli, Dana Alomari, Mohanad Shehadeh, Ahmed Mahfouz, Sumaya Alyafei, Abdulrahman Arabi, Khaled Mohamed | Safety of Sodium-Glucose Cotransporter-2 Inhibitors Peri- Percutaneous Coronary Intervention: A National Experience                                                    |
| Russian Federation | <b>Elena Rimskaya</b> , Olga Aparina, Olga Stukalova, Semen Kormilitsyn, Nataliia Mironova, Petr Chumachenko, Sergey Ternovoy, Sergey Golitsyn                                                                                                                         | Relation of focal and diffuse myocardial fibrosis to left bundle branch block in patients with dilated cardiomyopathy and structurally normal heart                    |
| Senegal            | Aliou Alassane Ngaide, <b>Ngone D. Gaye</b> , Abdoul Kane                                                                                                                                                                                                              | Patient education in cardiovascular disease in Sub-Saharan Africa: the "Heart School" pilot project at IPMS/Cheikh Anta Diop University of Dakar, Senegal              |
| Singapore          | <b>Yi Hui Ou</b> , Juliana Colpani, Crystal Cheong, Wei Qiang Loke, As Tar Thant, E. Ching Shih, Siew-Pang Chan, Calvin Chin, Pipin Kojodjojo, Yan Yee Mark Chan, A. Richards, Peter Cistulli, Ronald C. Lee                                                           | Title: Mandibular advancement device versus CPAP on cardiovascular health and quality of life in OSA a pre-specified 12 months follow up of outcomes                   |
| Slovenia           | <b>Gregor Poglajen</b> , Rok Zbačnik, Sabina Frljak, Gregor Zemljic, Andraz Cerar, Bojan Vrtovec                                                                                                                                                                       | CD 34+ Cell Therapy is Associated With Improved Myocardial Perfusion in Heart Failure With Preserved Ejection Fraction                                                 |
| South Africa       | <b>Mamotabo R. Matshela</b>                                                                                                                                                                                                                                            | Age-, Sex- and/or Ethnic- specific disparities; Biventricular systolic and diastolic strain, and biomarker, prognostic implications in Acute Tuberculous Pericarditis. |
| Spain              | <b>Gino Freddy Sena F. Ganse</b> , Cristina Rodriguez, Lena M. Ernst, Marisol Ruiz-Meana, Javier Inserte, Jose Martinez-Gonzalez, Begona Benito, Victor Puentes, Ignacio Ferreira-Gonzalez, Antonio Rodriguez-Sinovas                                                  | ROS-Detoxifying Cerium Oxide Nanoparticles Attenuate the Pro-Arrhythmic Effect of Diesel Exhaust Particles in Isolated Rat Hearts                                      |

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| Sweden                      | <b>Julia Aulin</b> , Karl Sjolin, Johan Lindbäck, Alexander P. Benz, John W. Eikelboom, Jonas Oldgren, Lars C. Wallentin, Joachim Burman                                                                                                                                                                                                                                                                                                                    | Neuro-specific biomarkers for risk assessment of ischemic stroke and death in patients with atrial fibrillation not receiving oral anticoagulation |
| Switzerland                 | <b>Miriam Barbieri</b> , Simona Casini, Julien Louradour, Tanja M. de Waal, Philip Sager, Saumya Das, Arthur A. Wilde, Katja Odening, Carol Ann Remme                                                                                                                                                                                                                                                                                                       | SGK1 inhibition shortens action potential duration in LQT3 mice and LQT2 rabbits via inhibition of late sodium current                             |
| Taiwan                      | <b>Chien-Yi Hsu</b> , Chia-Te Liao, Yen-Wen Wu, Chi-Cheng Huang, Tao-Wei Chang, Hung-Yu Chang                                                                                                                                                                                                                                                                                                                                                               | Impact of the American Heart Association Get-With-The-Guidelines Heart Failure A.S.I.A. Program in Taiwanese hospitals                             |
| United Republic of Tanzania | <b>Pedro Pallangyo</b> , Zabella Mkojera, Makrina Komba, Peter Richard Kisenge                                                                                                                                                                                                                                                                                                                                                                              | Feto-maternal outcomes of subsequent pregnancy among women with Peripartum Cardiomyopathy in Tanzania.                                             |
| Thailand                    | Narathorn Kulthamrongsri, Napat Suriyathumrongkul, Nisha Wanichwecharungruang, Prachawanee Nuchpramool, Kritpong Kulthamrongsri, Smuch Siramongkholkarn, Chutawat Kookanok, Thanaboon Yinadsawaphan, Phuuwadith Wattanachayakul, Sakditad Saowapa, Pojsakorn Danpanichkul, Sorawit Ongsupankul, Adivitch Sripusanapan, Nicha Wareesawetsuwan, Koravich Lorlowhakarn, Natee Deepan, <b>Nopavit Mohpichai</b> , Phatsawut Siritongtaworn, Ekamol Tantisattamo | Association between Age at Menopause and Age at Onset of Myocardial Infarction: An Analysis of NHANES Data from 2017-2020                          |
| Turkey                      | <b>Muhammed Melih Dogan</b> , Lokman Hekim Tanriverdi                                                                                                                                                                                                                                                                                                                                                                                                       | Efficacy and Safety of Vorapaxar in Patients with Peripheral Arterial Disease: A Meta-Analysis of Randomized Controlled Trials                     |
| Uganda                      | <b>Joselyn Rwebembera</b> , Jafesi Pulle, Emma Ndagire, Emmy Okello, Daniel Engelman, Anneke Grobler, Craig A. Sable, Andrew Steer, Andrea Z. Beaton                                                                                                                                                                                                                                                                                                        | Safety of Discontinuing Secondary Antibiotic Prophylaxis After Echocardiographic Normalization in Early Rheumatic Heart Disease, GOAL-Post Study   |

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| United Arab Emirates | <b>Muna Hammash</b> , Martha J. Biddle, Terry A. Lennie, Misook L. Chung, Debra K. Moser                                                                                                                         | Food Security, Depression, and the Association of Depression with Adherence to Cardiovascular Disease Risk Reduction Measures among Rural Caregivers of Patients with Chronic Diseases                              |
| United Kingdom       | <b>Nikhil Paliwal</b> , Albert Henry, Chris Finan, Rhodri Davies, Alun Hughes, Bryan Williams, Anders Malarstig, Tom Lumbers, Aaron Hingorani                                                                    | Genome-wide association study of aortic stiffness derived from deep learning in CMR images of 45,789 individuals identifies loci linked with cell-matrix structure                                                  |
| United States        | <b>Sundar Natarajan</b> , Andrew Nicholson, Nicholas Illenberger, Preethi Kumar, Yunika Khamcha Magar, Leah Haley, Kevin Stroupe, Tim Bigdeli, Sherene Sharath, Panagiotis Kougias                               | Effect Of A Comprehensive Personalized Behavioral Intervention On Cardiovascular Event-free Survival And All-Cause Event-free Survival In Veterans With Diabetic Neuropathy - The PATRIOT Randomized Clinical Trial |
| Vietnam              | <b>Loc Vu</b> , Minh Mai, Thuan Huynh, Chinh D. Nguyen, Thanh Tam Pham, Huan Pham, Hien Q. Nguyen, Thien Tan Tri Tai Truyen, Khiem D. Ngo, Pham Thao Vy Le, Hieu Nguyen, Vinh Sieu Lam, Dung Ho, Thach N. Nguyen | Quantifying the Coronary Artery Slow Flow Phenomenon: Insight from Dynamic Angiography and Deep Learning                                                                                                            |

## Vascular Discovery Scientific Sessions 2024

| COUNTRY   | AUTHOR BLOCK                                                                                                                                                                                                                                                                                  | PUBLISHING TITLE                                                                                                                                                                |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia | Sian P. Cartland, Elaina Kelland, Christopher P. Stanley, Madeleine Murphy, Natalie Le, Malathi S. Dona, Lauren Boccanfuso, Christina A. Bursill, Polina E. Nedoboy, Manisha Patil, Sergey Tumanov, Alexander R. Pinto, Jacky Loa, Sarah J. Aitken, David A. Robinson, <b>Mary M. Kavurma</b> | Sex Differences In Endothelial Cell Function(s) In Diabetes-associated Peripheral Artery Disease                                                                                |
| Belgium   | Caroline P. Martens, Mathias Stroobants, Sara Zalgout, Marleen Lox, Marijke Peetermans, Peter Verhamme, Thomas Vanassche, <b>Kimberly Martinod</b>                                                                                                                                            | Neutrophilic Mice Are Protected Against Staphylococcus Aureus Sepsis And Immunothrombosis Through Peptidylarginine Deiminase 4-mediated Neutrophil Extracellular Trap Formation |
| Brazil    | <b>Douglas Ricardo De Souza Junior</b> , Amanda Ribeiro Martins Silva, Livia Rosa Fernandes, Giuseppe Palmisano, Graziella Eliza Ronsein                                                                                                                                                      | Quantitative Proteomic Analysis Of HDL Shows Apolipoprotein M (ApoM) As A Possible Marker For COVID-19 Mortality                                                                |
| Canada    | <b>Katrina Besler</b> , Vittoria Baht, Pinhao Xiang, Sima Allahverdian, Elaine Ling, Teddy Chan, Gordon A. Francis                                                                                                                                                                            | Overexpression Of Lysosomal Acid Lipase                                                                                                                                         |
| Canada    | <b>Yann Grobs</b> , Charlotte Romanet, Sarah-Eve S. Lemay, Alice Bourgeois, Charlie Theberge, Melanie Sauvaget, Sandra Breuils-Bonnet, Sandra Martineau, Reem El Kabbout, Francois Potus, Pierre Voisine, Steeve Provencher, Olivier Boucherat, Sebastien Bonnet                              | Acly Inhibition As A Novel Therapeutic Approach For Vascular Remodeling In Coronary Artery Disease                                                                              |
| China     | <b>Jian Shen</b> , Xiangqin He, Kunzhe Dong, Guoqing Hu, Jian-Kang Chen, Zheng Dong, Huabo Su, David Fulton, Meixiang Xiang, Jiliang Zhou                                                                                                                                                     | Pik3c3 Safeguards Smooth Muscle Identity By Promoting Lysosome-mediated Yap1 Degradation                                                                                        |

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| Colombia          | <b>Santiago Uribe-Ramirez</b> , Alejandro Velandia-Sánchez, Camilo A. Polania-Sandoval, José V. Álvarez-Martínez, Juliana Tello-Pirateque, Carlos J. Pérez-Rivera, Juan P. Ávila-Madrigal, Danna L. Cruz-Reyes, Juan C. Briceño, Sebastián Gómez-Galán, Michel M. Reijnen, Jaime Camacho-Mackenzie, Juan G. Barrera-Carvajal | Progressive Structured Simulation-based Surgical Training Program (PROCESS) – Open Vascular Surgery: Study Protocol For A Cross-over, Randomized, Double-blinded Clinical Trial |
| Germany           | <b>Nadja Sachs</b> , Ankit Sinha, Elena Kratz, Jessica Pauli, Marie-Luise Engl, Hanna Winter, Hans-Henning Eckstein, Matthias Mann, Lars Maegdefessel                                                                                                                                                                        | Lesion Site-specific Mass Spectrometry Analysis Of Human Carotid Plaques Reveals Strongest Association Of The Necrotic Core And Fibrous Cap Proteome With Plaque Stability      |
| India             | <b>Shrey Goel</b> , Priyatha Vemparala, Dhruval Patel, Nihar Vavaliya, Krupa Madhu, Mohit Lakkimsetti, Kushagrita Singh, Juhi Patel, Vishrant Prafulchandra Amin, Hardik Dineshbhai Desai                                                                                                                                    | Evolving Burden Of Aortic Aneurysm Attributable To High Systolic Blood Pressure In 204 Countries And Territories From 1990-2019: A Comprehensive Global Assessment              |
| Italy             | Sara Rega, Nadia Fanotti, Manuel Casaburo, Paolo Poggio, Martina Vescio, Linda Pattini, Luca Lambroia, Montserrat Climent, Leonardo Elia, Giorgia Bonalumi, Ilaria Giambuzzi, Nathasha Udugampolage, Alessandro Pini, Giulio Pompilio, <b>Gianluca Lorenzo Perrucci</b>                                                      | AlphaV Integrins Inhibition Downregulates Pro-fibrotic Events In Human Aortic Smooth Muscle Cells And Limits Thoracic Aortic Aneurysm Progression In Marfan Mice                |
| Japan             | <b>Mari Ishida</b> , Chiemi Sakai, Yusuke Kobayashi, Takafumi Ishida                                                                                                                                                                                                                                                         | Activation Of Cgas-sting Axis By DNA Double-strand Breaks In Atherosclerosis: A Possible Link From DNA Damage To Inflammation And Cell Senescence                               |
| Republic of Korea | <b>Yujin Jin</b> , Kyung-Sun Heo                                                                                                                                                                                                                                                                                             | Relationship Between Stat3 And Endoplasmic Reticulum Stress Induces Lipopolysaccharide-induced Endothelial To Mesenchymal Transition In Vascular Endothelial Cell               |
| New Zealand       | <b>Sonja Hummel</b> , Peter Larsen, Kathryn Hally                                                                                                                                                                                                                                                                            | The Effects Of Dual Antiplatelet Therapy On Neutrophil Function                                                                                                                 |

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| Pakistan       | Priyatha Vemparala, <b>Rabia Islam</b> , Mihir Vanodia, Prashantkumar Savaliya, Mandeepsinh Vashi, Mohit Lakkimsetti, Dhruval Patel, Shrey Goel, Hamza Islam, Juhi Patel, Vishrant Prafulchandra Amin, Hardik Dineshbhai Desai                                                                                                    | Assessing The Global Burden And Trends Of Stroke Attributable To Smoking In 38 Oecd Countries From 1990 To 2019: A Benchmarking Analysis                                       |
| Philippines    | <b>Kimberly Co</b>                                                                                                                                                                                                                                                                                                                | Prevalence Of Erectile Dysfunction And Its Associated Factors Among Filipino Adult Patients In A Tertiary Hospital: A Cross-sectional Study                                    |
| Qatar          | <b>Jasni V. Ashraf</b> , Hend S. Fayed, Ayman Al Haj Zen                                                                                                                                                                                                                                                                          | Atxn2 Inhibition Enhances The Contractile Phenotype Of Vascular Smooth Muscle Cells                                                                                            |
| Sweden         | Aida Collado, Rawan Humoud, Eftychia Kontidou, Jiangning Yang, Tong Jiao, Ali Mahdi, Zhichao Zhou, John Pernow                                                                                                                                                                                                                    | Erythrocyte Derived Extracellular Vesicles From Patients With Type 2 Diabetes Induce Endothelial Dysfunction Through Increased Vascular Oxidative Stress                       |
| Taiwan         | <b>Wei-Tien Chang</b> , Shih-Wei Meng, Hsinyu Tseng, Mao-Shin Lin, Liu-Chun Wang, Hsu Min-Hsuan, Kally Chang, Hung Ji Huang, Ian Liao, Cheng-Shan Yeh                                                                                                                                                                             | Percutaneous Optofluidic Catheter-guided Photo-triggered Nanogoldsomes Reduce Infarct Size And Mitigate Myocardial Dysfunction In A Swine Model Of Acute Myocardial Infarction |
| United Kingdom | <b>Jennifer Nash</b> , Samuel Debono, Krithika Loganath, Beth Whittington, Evangelos Tzolos, Maaz Syed, Tijana Mitic, Adriana Tavares, Mark Macaskill, Tim Clark, Scott Semple, Edwin Van Beek, Damini Dey, Piotr Jan Slomka, Rachael Forsythe, Michelle Williams, Marc Dweck, Niki Walker, David E. Newby, Alexander J. Fletcher | <sup>18</sup> F-Sodium Fluoride Positron Emission Tomography To Assess Thoracic Aortopathy In Bicuspid Aortic Valve Disease                                                    |
| United States  | <b>Zhiyu Dai</b> , Bin Liu, Dan Yi, Karina Ramirez, Xiaomei Xia, Ruslan Rafikov, Vinicio A. Dejesus, Sarah-Eve S. Lemay, Sebastien Bonnet, Olivier Boucherat                                                                                                                                                                      | Endothelial Fatty Acid-binding Proteins Contribute To The Pathogenesis Of Pulmonary Hypertension                                                                               |