



# Paul Dudley White International Scholar Award

*Recognizing excellence in science from around the world*

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 2022 AHA Meetings

|  |       |
|--|-------|
| <u>Basic Cardiovascular Science Scientific Sessions</u> .....          | 2-4   |
| <u>EPI Lifestyle Scientific Sessions</u> .....                         | 5-7   |
| <u>Hypertension Scientific Sessions</u> .....                          | 8-10  |
| <u>International Stroke Conference</u> .....                           | 11-15 |
| <u>Quality of Care and Outcomes Research Scientific Sessions</u> ..... | 16    |
| <u>Resuscitation Science Symposium</u> .....                           | 17-21 |
| <u>Scientific Sessions</u> .....                                       | 22-30 |
| <u>Vascular Discovery Scientific Sessions</u> .....                    | 31-32 |

## Basic Cardiovascular Science Scientific Sessions 2022

| COUNTRY        | AUTHOR BLOCK  | PUBLISHING TITLE  |
|----------------|---|---|
| Australia      | <b>Melanie Y White</b>  | Depleted Cardiac Energy Reservoirs And Type 2 Diabetes: The Unfulfilled Role Of Endogenous Creatine   |
| Belgium        | <b>Eline Feyen</b> , Julie Cools, Jens Van fraeyenhove, Michiel Tubeeckx, Hans De Winter, Dominique Audenaert, Tine Bruyns, Gilles De Keulenaer, Vincent Segers       | Identification Of Selective Small-molecule ERBB4 Agonists With Cardioprotective Effects   |
| Brazil         | Grazielle F. Silva, Jaqueline S. Da Silva, Marina Silva, Tadeu Montagnoli, Allan Kardec Alencar, Bruna Rocha, Rosana Freitas, Carlos Fraga, <b>Gisele Zapata-Sudo</b> | Novel Inhibitor Of P38 Mitogen-activated Protein Kinase Reverses Hypoxia-induced Pulmonary Hypertension In Rats   |
| Brazil         | <b>Enio R Vasques Sr.</b>   | Analysis Of Pro-arrhythmic Effects Of The Trisulfated Disaccharide Heparin Fragment, A Potential Antiarrhythmic Drug.   |
| Canada         | <b>Yena Oh</b> , David Cook, Jin G. Park, Barbara Vanderhyden, Nikhil Munshi, Kyoung-Han Kim  | Transcriptomic Landscape Of The Postnatal Atrioventricular Conduction System  |
| Czech Republic | <b>Martin Sterba</b> , Zuzana Pokorna, Petra Kollarova, Olga Lencova, Jan Kubes, Yvona Mazurova, Michaela Adamcova, Tomas Simunek                                     | Can ACE Inhibitors Provide Similar Long-lasting Cardioprotection Against Chronic Anthracycline Cardiotoxicity As An Approved Drug Dexrazoxane On A Well-established Animal Model? |
| Czech Republic | <b>Olga Lencova</b> , Petra Kollarova, Michaela Adamcova, Yvona Mazurova, Martin Sterba   | Pharmacological Inhibition Of ATM Sensitizes Rabbit Hearts For Development Of Chronic Anthracycline Cardiotoxicity And Heart Failure  |

|                   |   |   |
|-------------------|---|---|
| Germany           | Charlotte Brandt, Daniela Huebscher, Gideon Syed-Ali, Viacheslav O Nikolaev, <b>Katrin Streckfuss-Boemeke</b>   | Arrhythmia As Cause For The Development Of The Takotsubo Syndrome In A Patient-specific Atrial Stem Cell Model                      |
| Germany           | <b>Zegeye Hailu Jebessa</b> , Andrea Schneider, Matthias Dewenter, Michael Berlin, Catherine A. Makarewich, Eric N. Olson, Marc Freichel, Martin Busch, Johannes Backs, Patrick Most  | S100A1 And STRIT1 Redundantly Governs Responsiveness Of The Heart To Hemodynamic Stress Via Modulation Of SERCA2a Activity          |
| Israel            | <b>Tal Caller</b> , Olga Shaihov-Teper, Yeshai Schary, Daria Lendengolts, Itai Rotem, Racheli Peled, Ruty Shai, Uri Amit, Efrat Glick-Saar, Dan Dominissini, Tel-Hashomer, Ramat Gan, Alex Boomgarden, Crislyn D'Souza-Schorey, Nili Naftali-Shani, Jonathan Leor | Extracellular Vesicles From The Infarcted Heart Facilitate Tumor Growth   |
| Italy             | <b>Arianna Felicetta</b> , Pierluigi Carullo, Giada Cassanmagnago, Marco Cremonesi, Mauro Passaretti, Federico Colombo, Javier Cibella, Gianluca Basso, Clelia Peano, Gianluigi Condorelli  | Stress-induced Uhrf1 Epigenetically Modulates Angiogenesis And Cardiac Function In Ventricular Hypertrophy                          |
| Italy             | <b>Giulio Ciucci</b> , Andrea Colliva, Simone Vodret, Elena Zago, Manuel Maglione, Giovanni Cimmino, Paolo Golino, Gianfranco Sinagra, Francesco Loffredo, Serena Zacchigna   | Mechanical Loading Controls Cardiomyocyte Proliferation   |
| Japan             | <b>Hisayuki Hashimoto</b> , Jin Komuro, Takahiro Nakamura, Shinsuke Yuasa, Keiichi Fukuda   | Cardiac Reprogramming Inducer ZNF281 Is Indispensable For Heart Development By Interacting With Key Cardiac Transcriptional Factors |
| Republic of Korea | <b>Yong-Sook Kim</b> , Hyang H. Cho, Dong-Im Cho, Meeyoung Cho, Young Keun Ahn  | Ikkε Deficiency Reduces P38 Activity Of Macrophages To Increases Cardiac Injury   |

|                |   |  |
|----------------|---|--|
| Netherlands    | <b>Lara S.F. Konijnenberg</b> , Laween Uthman, Andor Veltien, Carolien T.A. Kuster, Tom T.J. Luiken, Guus A. De Waard, Kitty Lemmens-Hermans, Karin de Haas-Cremers, Mariska Kea-te Lindert, Deniz Daviran, Dick H.j. Thijssen, Anat Akiva, Robin Nijveldt, Niels van Royen                       | Imatinib Attenuates Reperfusion Injury In A Rat Model Of Acute Myocardial Infarction   |
| Spain          | <b>Laura Tesoro</b> , Laura Botana, Ignacio Hernandez Navarro, Rafael Ramirez-Carracedo, Jose L Zamorano, Marta Saura, Carlos Zaragoza  | Nil10: A Newly Synthesized Nanoparticle That Reduces Inflammation And Preserves Heart Function In Murine And Porcine Models Of Acute Myocardial Infarction |
| Taiwan         | <b>Yu-Che Cheng</b> , Marvin Hsieh, Chen-Ju Lin, Cindy Miaochuan Chang, Ching-Ying Huang, Riley Puntney, Amy Moy, Ting Chien-Yu, Darien Chan, Martin Nicholson, Jen-Hao Lin, Po-Ju Lin, Hung-Chih Chen, Gina Kim, Jennifer Coonen, Yen-Wen Liu, Timothy A. Hacker, Timothy Kamp, Patrick C. Hsieh | Injection Of Human iPSC-derived Cardiac Cells Promote Cardiac Repair After Infarction In Nonhuman Primates   |
| United Kingdom | <b>Giorgia Rizzari</b> , Ellen Dirx, Consuelo Torrini, Mateusz Tomczyk, Miguel Mano, Mauro Giacca   | Elucidating The Role Of Dyrk1a Kinase In Controlling Cardiomyocyte Proliferation   |
| United States  | Menggui Huang, Fan Yang, Duo Zhang, Maohuan Lin, Liming Pei, Michael J. Mitchell, Daniel J. Rader, Yi Fan, <b>Yanqing Anna Gong</b>   | Vessel Normalization By Targeting Endothelial Cell Plasticity To Improve Cardiac Repair After Myocardial Infarction  |

## EPI|Lifestyle Scientific Sessions 2022

| COUNTRY   | AUTHOR BLOCK   | PUBLISHING TITLE  |
|-----------|--|---|
| Australia | <b>Matti Marklund</b> , Rachita Gupta, Fikru T. Tullu, Bruce Neal, Jason H. Wu   | Estimated Benefits And Risks Of Lowering Sodium Through Potassium-enriched Salt Substitution In India: A Modeling Study   |
| Brazil    | <b>Cristina P. Baena</b> , Ariele Barreto Haagsma, Dyego Souza, Graziella Martins de Mello, Marcia Olandoski, Javier J. Roig                               | Longitudinal Analysis Of Handgrip Strength And Cognitive Function During Aging- Share   |
| Canada    | <b>Sarah O'Connor</b> , Claudia Blais, Elhadji A Nassour Laouan Sidi, Jacinthe Leclerc, Paul Poirier   | Differential Incidence Trends In Non-traumatic Lower Limb Amputations In The Province Of Quebec, Canada: Does The Reduction Applies Equally In Both Sexes?                  |
| China     | <b>Wenting Hao</b> , Chunging Fu, Dongshan Zhu   | Early Menopause Is Linked To Increased Risk Of Presenile Dementia Before Age 65 Years   |
| Egypt     | <b>Khaled Shelbaya</b> , Pranav Dorbala, Brian Claggett, Hicham Skali, Scott Solomon, Kunihiro Matsushita, Suma H. Konety, Thomas Mosley Jr., Amil M. Shah | Valvular Heart Disease Stages And Biomarkers Of Myocardial Stress And Injury Among Older Adults In The Community: The Atherosclerosis Risk In Communities Study             |
| Finland   | <b>Andrew O. Agbaje</b> , Alan R. Barker, Tomi-Pekka Tuomainen   | Adolescent Arterial Stiffness Precedes Elevated Resting Heart Rate In Young Adulthood: A 7-year Temporal Longitudinal Analysis Using Cross-lagged Structural Equation Model |
| France    | <b>Strumia Mathilde</b> , Olivier Hanon, Jean-Sébastien Vidal, Laure Rouch   | Orthostatic Hypo- And Hypertension Are Associated With Cognitive Decline: The S.ages Cohort   |

|                    |   |  |
|--------------------|---|--|
| Hong Kong          | <b>Kei Hang Katie Chan</b> , Qing Liu, Alex P. Reiner, Roberta De Vito, Charles Kooperberg, Jennifer Brody, Leslie Lange, Joann E. Manson, Adolfo Correa, L. Adrienne Cupples, Matthew Flickinger, Jie Li, Xiaochen Lin, Tracy Madsen, Kari E. North, Laura M. Raffield, Alisa Manning, James B. Meigs, Simin Liu | Identification Of Genetic Signals For "Diabesity" -- Type 2 Diabetes And Obesity -- Among African American And European American Participants In Four Cohorts Of The TOPMed Consortium |
| Iceland            | <b>David O. Arnar</b> , Saemundur Oddsson, Thrudur Gunnarsdottir, Inga V. Olafsdottir, Maria V. Gudmundsdottir, Kjartan H. Loftsson, Elias F. Gudmundsson, Bylgja Kaernested, Maria L. Amundadottir, Svala Sigurdardottir, Brynjolfur Mogensen, Berglind Libungan, Tryggvi Thorgeirsson                           | A Digital Therapeutic Intervention Is Feasible For Outpatient Care In Coronary Artery Disease  |
| Italy              | <b>Marialaura Bonaccio</b> , Emilia Ruggiero, Augusto Di Castelnuovo, Simona Costanzo, Simona Esposito, Chiara Cerletti, Maria Benedetta Donati, Giovanni de Gaetano, Licia Iacoviello  | Ultra-processed Food Attenuates The Association Of Nutri-score Front-of-pack Label With All-cause Mortality Risk In The Moli-sani Study Cohort   |
| Japan              | <b>Soichi Takeishi</b>  | The Optimal Method To Predict Hemoglobin A1c From Flash Glucose Monitor Data   |
| Republic of Korea  | <b>Hokyoo Lee</b> , Hyeok-Hee Lee, Gabin Lee, Danbee Kang, Jin Lee, Jihyun Lim, Juhee Cho, Dong Wook Shin, Jong-Chan Youn, Hyeon Chang Kim  | Can A Single Model For General Population Predict Cardiovascular Events In Cancer Survivors?   |
| Netherlands        | <b>Edwin R. van den Heuvel</b> , Robert P. Agans, William D. Kalsbeek, Suzanne E. Judd, Vasan S. Ramachandran   | Addressed-based Sampling Of People Living In Rural Southeast Usa   |
| Russian Federation | <b>Svetlana Glova</b>   | IL1RN Gene Polymorphism And The Development Of Acute Myocardial Infarction In Young Patients   |

|               |  |   |
|---------------|--|---|
| Singapore     | <b>Ling-Jun Li</b> , Jing Wu, Natalie Weir, Michael Y. Tsai, Paul Albert, Cuilin Zhang   | Plasma Phospholipid Polyunsaturated Fatty Acids In Early Pregnancy And Fetal Growth Trajectories Throughout Pregnancy: Findings From The NICHD Fetal Growth Studies-singletons Cohort |
| Spain         | <b>Mercedes Sotos-Prieto</b> , Ellen A. Struijk, Teresa T. Fung, Fernando Rodriguez-Artalejo, Walter Willett, Frank B. Hu, Esther Lopez-Garcia   | Association Between The Quality Of Plant-based Diets And Risk Of Frailty  |
| Sweden        | <b>Joakim Nordanstig</b> , Saemundur Oddsson, Carl Wahlgren, Anders Gottsäter, Thrudur Gunnarsdottir, Hildigunnur Ulfsdottir, Elias Gudmundsson, Agusta Bjornsdottir, Tryggvi Thorgeirsson | A Novel Digital Therapeutic Program Is Feasible For Patients With Peripheral Artery Disease   |
| Taiwan        | <b>Gen-min Lin</b> , Pang-yen Liu, Joao A. Ac Lima, Carl Joseph Lavie Jr.  | Elite Female Athlete'S Heart Of Asians: The Chief Heart Study   |
| United States | <b>Timothy B. Plante</b> , Stephen P. Juraschek, George Howard, Virginia J. Howard, Russell P. Tracy, Suzanne E. Judd, Debora Kamin Mukaz, Neil A. Zakai, D. Leann Long, Mary Cushman      | Inflammatory Cytokines And Incident Hypertension In The REasons For Geographic And Racial Differences In Stroke (REGARDS) Study   |

## Hypertension Scientific Sessions 2022

| COUNTRY   | AUTHOR BLOCK   | PUBLISHING TITLE  |
|-----------|--|---|
| Argentina | <b>Mariano Duarte</b> , Analía Aquieri, Javier Coyle, Claudio Yaryour, Carlos Reyes Toso   | Hypertensive Arterial Stiffness Leads To Baroreflex Dysfunction   |
| Australia | Isabella Tan, Sonali R Gnanenthiran, Justine Chan, Konstantinos G Kyriakoulis, Markus P Schlaich, George S Stergiou, <b>Aletta E Schutte</b>   | Comparison Of 24-hour Blood Pressure Tracking Between A Commercially Available Cuffless Wearable Device And Standard Ambulatory Monitoring            |
| Austria   | <b>Marko Poglitsch</b> , Giulio Mengozzi, Scott Stanley, Michael Hedge, Oliver Domenig, Uwe Schmidt, Antonello Nonnato, Fabio Settanni, Robin C Shoemaker  | Assay Performance And System Compatibility For RAAS Triple-A Analysis In Hypertension Profiling   |
| Brazil    | <b>Samantha Kuwada Teixeira</b> , Roberto Pontes, Luiz Fernando Zuleta, Rogerio Rosa, Leticia Bertoline, Jianhui Wang, Darui Xu, Jamie L Russell, Xiaoming Zhan, Mihwa Choi, Miao Tang, Xiaohong Li, Sara Ludwig, Bruce Beutler, Jose E Krieger  | Germline Mutagenesis Induces Blood Pressure And Heart Rate Variation In Mice Uncovering Novel Insights On The Genesis Of Cardiovascular Disease Risks |
| Canada    | <b>Livia Camargo</b> , Sheon Mary, Sergio Lilla, Sara Zanivan, Richard Hartley, Christian Delles, William Fuller, Francisco J Rios, Augusto C Montezano, Rhian M Touyz   | Nox5 Regulates Vascular Smooth Muscle Cell De-differentiation In Human Hypertension   |
| China     | <b>Kui Kai Lau</b> , Preeti D Virwani, Gordon Qian, Matthew SS Hsu, Tommy KKTS Pijarnvanit, Carman Nga-Man Cheung, Yick Hin Chow, Lok Kan Tang, Yiu-Hei Tse, Jia-Wen Xian, Shirley Sau-Wing Lam, Crystal Lee, Chelsea CW Lo, Roxanna KC Liu, Tsi Lok Ho, Bak Yue Chow, Kin Sum Leung, Hing Wai Tsang, Emily Kwun Kwan Lo, Keith TS Tung, Patrick Ip, Ivan Fan-Ngai Hung, Jimmy Chun Yu Louie, Hani El-Nezami, Joshua WK Ho | Sex Differences In Association Between Gut Microbiome And Essential Hypertension Based On Ambulatory Blood Pressure Monitoring                        |



|                   |   |   |
|-------------------|---|---|
| Denmark           | <b>Igor Maciel Souza Silva</b> , Augusto Peluso, Arkadiusz Nawrocki, Lene Andrup Jakobsen, Pia Jensen, Lucas Rodrigues Aguiar Ribeiro, Christina Mortensen, Colin Sumners, Thiago Verano-Braga, Martin Larsen, Ulrike M Steckelings | Proof Of Biological Activity And Exploration Of Early Signaling Events Of Angiotensin-(1-5)   |
| Germany           | <b>Charlotte Kayser</b> , Andreas Bock, Lisette Leeuwen, Johanna Herkert, Yvonne Vos, Alexa Kidd, Atakan Aydin, Oliver Daumke, Martin Lohse, Friedrich C Luft   | Phosphodiesterase 3a Catalytic-domain Mutants Cause Hypertension With Brachydactyly   |
| India             | <b>Alben Sigamani</b> , Pallav Singh  | Virtual Cardiac Rehabilitation For Heart Failure - Real World Experience Of Medication Adherence, Blood Pressure Control And Exercise Tolerance |
| Israel            | <b>Arik Eisenkraft</b>  | Influence Of Sex, BMI, And Skin Color On The Accuracy Of Non-Invasive Cuffless Photoplethysmography-Based Blood Pressure Measurements           |
| Italy             | <b>Marialuisa Perrotta</b> , Sara Perrotta, Fabio Pallante, Lorenzo Carnevale, Agnese Migliaccio, Stefania Fardella, GIUSEPPE LEMBO, Daniela Carnevale  | Pi3kg Signalling Is Crucial For Regulating The Cross Talk Between Cd8 T Lymphocytes And Vasculature In Hypertension                             |
| Japan             | <b>Masashi Mukohda</b> , Takanori Yano, Toshiyasu Matsui, Sho Nakamura, Jiro Miyamae, Risuke Mizuno, Hiroshi Ozaki  | Treatment With Ligilactobacillus Improves Gut Permeability And Hypertension In Spontaneously Hypertensive Rats                                  |
| Republic of Korea | Pil-Sang Song, <b>Si Wan Choi</b> , Jin-Ok Jeong  | P2Y12 Inhibitor With Or Without Aspirin In Patients With Hypertension Undergoing Percutaneous Coronary Intervention                             |
| Netherlands       | <b>Lunbo Tan</b> , Michelle Broekhuizen, Rugina I. Neuman, Sam Schoenmakers, Xifeng Lu, A.H. Jan Danser, Koen Verdonk   | Serum Chemerin As A Novel Biomarker For Preeclampsia Complications: Effects Of Statins On Its Release From The Placenta                         |

|                |   |  |
|----------------|---|--|
| Nigeria        | <b>Osahon Asowata</b> , Akinkunmi Okekunle, Onoja Akpa, Adekunle Fakunle, FRED S SARFO, Albert Akpalu, Reginald Obiako, Kolawole Wahab, Godwin Osaigbovo, Lukman Owolabi, Joshua Akinyemi, Morenikeji Komolafe, Rufus Olusola Akinyemi, Bruce Ovbiagele, Mayowa Owolabi | Risk Scoring Model For Predicting Hypertension Among Indigenous Africans: Findings From The SIREN Study  |
| Norway         | Kristian Wachtell, Stevo Julius, Peter M Okin, Anders M Greve, Richard B Devereux II, Suzanne Oparil, <b>Sverre E Kjeldsen</b> , Kurt Boman   | Cardiovascular Outcomes In Hypertensive Patients Who Discontinue Study Medication In A Large Outcome Trial. The Life Study.  |
| Poland         | <b>Marek Konop</b> , Marta Gawryś-Kopczyńska, Mateusz Szudzik, Mateusz Rybka, Łukasz Mazurek, Marcin Ufnal  | Hypertensive Rats Show Increased Expression Of Flavin Monooxygenases And Diminished Hypertensive Response To Trimethylamine, A Gut Bacterial Product And An Industry Air Pollutant                         |
| Spain          | <b>Alejandro De La Sierra</b> , Cristina Sierra, Marcos Murillo, Tommaso-Francesco Aiello, Aina Mateu, Pedro Almagro  | Pulse Wave Velocity And Blood Pressure Variability As Prognostic Indicators In Very Elderly Patients With Advanced Chronic Conditions  |
| United Kingdom | <b>Somayah Rostamian</b> , Thomas Godec, Ajay K Gupta, William Whiteley, Judith Mackay, Andrew Whitehouse, Peter Sever  | Visit-To-Visit Blood Pressure Variability Is A Major Risk Factor For Renal Outcomes In Hypertensive Patients: Evidence From The 20-Year Follow-Up Of The Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT) |
| United States  | Georgina Gyarmati, Sean D Stocker, Sachin Deepak, Audrey Izuhara, <b>Janos Peti-Peterdi</b>   | Macula Densa Stimulation Acutely Increases Afferent Renal Nerve Activity And Blood Pressure  |

## International Stroke Conference 2022

| COUNTRY   | AUTHOR BLOCK   | PUBLISHING TITLE   |
|-----------|--|--|
| Argentina | <b>Ivan Lylyk</b> , Esteban Scrivano, Rodolfo Nella Castro, Javier Lundquist, Nicolas Perez, Sebastian Veloso, Daiana Federico, Andres Cardenas, Juan Ignacio Diaz Figueroa, Mauricio Roussel, Rodrigo Muñoz, Pedro N. Lylyk, Carlos Bleise, Pedro Lylyk Sr.                                       | Long-term Outcomes From The Pipeline Embolization Devices For The Treatment Of Intracranial Aneurysms (PEDESTRIAN) Registry With Ped Shield Sub-analysis |
| Australia | <b>Daniel Beard</b> , Magdalena Litman, Sara Azarpeykan, Oktay Uzun, Deen Bhatta, Alastair M. Buchan, Neil Spratt, Donald Ingber   | Shear-activated Nanoparticle Aggregates Containing Nitroglycerin Selectively Increase Collateral Perfusion During Experimental Ischemic Stroke           |
| Austria   | <b>Martha Marko</b> , Esmee Venema, Bijoy K. Menon, Maxim Mulder, Diederik W. Dippel, Hester Lingsma, Bob Roozenbeek, Andrew M. Demchuk, Michael D. Hill, Mayank Goyal, Mohammed Almekhlafi  | Outcome Prediction In Late-Window Endovascular Treatment - Application Of MR PREDICTS To Patients Treated Beyond 6 Hours                                 |
| Belgium   | <b>Adrien Guenego</b> , Noemie Ligot, Boris Lubicz   | Hypoperfusion Intensity Ratio Predicts Infarct Growth After Successful Thrombectomy For Distal Medium Vessel Occlusions                                  |
| Brazil    | <b>Adriana B. Conforto</b>   | Quality Of Ischemic Stroke Care Before And After The Covid-19 Pandemic   |
| Canada    | <b>Fouzi Bala</b> , Wu Qiu, Manon Kappelhof, Petra Cimflova, Beom Joon Kim, Rosalie McDonough, Nishita Singh, Nima Kashani, Mohamed Najm, Johanna Maria Ospel, Ankur Wadhwa, Raul G. Nogueira, Andrew M. Demchuk, Alexandre Poppe, Mohammed Almekhlafi, Mayank Goyal, Michael Hill, Bijoy K. Menon | Ability Of Radiomics Versus Humans In Predicting First-pass Effect After Endovascular Treatment In The Escape-na1 Trial                                  |
| China     | <b>Ximing Nie</b> , Liping Liu   | Endovascular Treatment With Or Without Intravenous Alteplase For Acute Ischemic Stroke Due To Basilar Artery Occlusion                                   |

|         |  |   |
|---------|--|---|
| Denmark | <b>Sigrid Breinholt Vestergaard</b> , Andreas Gammelgaard Damsbo, Rolf Blauenfeldt, Grethe Andersen, Janne K. Mortensen  | Higher Pre-stroke Physical Activity Is Associated With Fewer Post-stroke Depressive Symptoms In Patients Treated With Citalopram As Compared To Placebo |
| Finland | <b>Liisa Tomppo</b> , Kristiina Rannikmae, Tara M. Stanne, Jukka Putaala, Daniel Strbian, Christina Jern, Sahlgrenska Acad, Frank-Erik de Leeuw, Israel Fernandez Cadenas, Agnieszka M. Slowik, Giorgio Boncoraglio, Arne Lindgren, Jordi Jimenez Conde, Reinhold Schmidt, Pankaj Sharma, Robin Lemmens, Olle Mealnder, Peter Rothwell, Christopher Levi, Catherine Sudlow, Stephanie Debette, Tiina Metso, Guillaume Pare, Hugh Markus, Danish Saleheen, John Danesh, Ramin Zand, Bradford B. Worrall, James F. Meschia, Tatjana Rundek, Daniel Woo, Jin-moo Lee, Marguerite R. Irvin, Caitrin W. McDonough, Kathryn M. Rexrode, Sylvia W. Wassertheil-Smoller III, Jonathan Rosand, Christian Gieger, Martina Muller-Nurasyid, Veikko V. Salomaa, Yoichiro Kamatani, Robin Walters, Zhengming Chen, Martin Dichgans, Rainer Malik, Brady Gaynor, John Cole, Huichun Xu, Braxton D. Mitchell, Steven J. Kittner | Sex-specific Genome Wide Association Study Of Early-onset Ischemic Stroke   |
| France  | <b>Manoelle Kossorotoff</b> , Christian Denier, Beatrice Husson, Augustin Ozanne, Celine Bellesme, Basile Kerleroux, Olivier Naggara   | Recanalization Treatments In Pediatric Stroke: Safety And Efficacy Data Issued From The French KidClot Study  |
| Germany | <b>Jan Hendrik Schaefer</b> , Ferdinand O. Bohmann, Björn Misselwitz, Geschäftsstelle Qualitätssicherung Hessen, Christian Foerch  | Diverging Time Trends Of Gender-specific Ischemic Stroke Incidence - 10-year-analysis Of A State-wide Registry In Germany                               |
| India   | <b>Bharat Rawlley</b> , Sarah Marchina, Stefanie P. Cappucci, Sandeep Kumar  | An Investigation On First Author Gender Disparities In Stroke-related Randomized Controlled Trials  |

|                    |  |   |
|--------------------|--|---|
| Ireland            | <b>Mairead O. Donoghue</b> , Siobhan Leahy, Pauline Boland, John McManus, Rose Galvin, Sara Hayes  | Rehabilitation Of Cognitive Deficits Post-stroke: Systematic Review And Meta-analysis Of Randomised Controlled Trials Of Non-pharmacological Interventions                    |
| Israel             | <b>Igal Iancu</b> , Boris Draznin  | Use Of A Novel Patient Simulation Application To Assess Physicians' Knowledge In The Management Of Atrial Fibrillation And Stroke Prevention                                  |
| Japan              | <b>Naoko Nishimura</b> , Kuniyasu Niizuma, Michael Wald, Biogen, Keiko Hasegawa, Teiji Tominaga, Keiji Hasumi  | Results From A Phase 2a Study Of TMS-007, An SMTP Family Anti-inflammatory Prothrombolytic, On Patients With Acute Ischemic Stroke Up To 12 Hours After Onset                 |
| Korea, Republic of | <b>Eungjoon Lee</b> , Da Jung Kim, Joo-Youn Cho, Keun-hwa Jung   | Putrescine And Kynurenine Are Associated With Large Artery Atherosclerosis Stroke: Targeted Metabolomics Study  |
| Netherlands        | <b>Katarzyna Krzywicka</b> , Anita van de Munckhof, Mayte Sanchez van Kammen, Mirjam R. Heldner, Katarina Jood, Erik Lindgren, Turgut Tatlisumak, Jukka Putaala, Johanna A. Kremer Hovinga, Saskia Middeldorp, Marcel M. Levi, Charlotte Cordonnier, Marcel Arnold, , Aeilko H. Zwinderman, José M. Ferro, Jonathan M. Coutinho, Diana Aguiar de Sousa | Age Stratified Risk Of Cerebral Venous Sinus Thrombosis After Sars-Cov-2 Vaccination  |
| New Zealand        | <b>Jae Beom Hong</b> , William Diprose, Michael Wang, Juliette Meyer, Dean Kilfoyle, P. Alan Barber  | Direct Bypass To Endovascular Capable Stroke Center Compared To Secondary Transfer From Primary Stroke Centers  |
| Nigeria            | <b>Akinkunmi Paul Okekunle</b> , Osahon J. Asowata, Ayomide Owolabi, Adekunle Fakunle, Onoja M. Akpa, Fred S. Sarfo, Albert Akpalu, Kolawole Wahab, Reginald Obiako, Morenikeji Komolafe, Lukman Owolabi, Godwin Osaigbovo, Rufus Olusola Akinyemi, Bruce Ovbiagele, Mayowa Owolabi  | Dietary Patterns And Blood Pressure Profiles Among Stroke-free Africans: Evidence From The Stroke Investigative Research And Educational Network Study In Sub-Saharan Africa. |

|              |   |  |
|--------------|---|--|
| Panama       | <b>Nelson Novarro-Escudero</b> , Alcibiades Villarreal, Gabrielle B. Britton  | Association Of Depressive Symptoms, Carotid Stenosis And The Co-occurrence Of Both With Inflammatory Markers In An Elderly Panamanian Cohort |
| Philippines  | <b>Katrina Hannah Ignacio</b> , Jose Danilo Diestro, Jose Miguel Medrano, Sitti Khadija Salabi, Alvin Logronio, Sedic John Factor, Jose Leonard Rivera Pascual V., Sharon Ignacio, Maria Carissa Pineda-Franks  | Depression And Anxiety After Stroke In A Young Adult Population  |
| Portugal     | <b>Diana Aguiar de Sousa</b> , Mayte Sanchez van Kammen, Sven Poli, Charlotte Cordonnier, Mirjam Heldner, Anita van de Munckhof, Katarzyna Krzywicka, Thijs van Haaps, Alfonso Ciccone, Saskia Middeldorp, Marcel Levi, Johanna A. Kremer Hovinga, Suzanne Silvis, Sini Hiltunen, Maryam Mansour, Antonio Arauz, Miguel Barboza, Thalia S. Field, Georgios K. Tsigoulis, Simon Nagel, Erik Lindgren, Turgut Tatlisumak, Katarina Jood, Jukka Putaala, José M. Ferro, Marcel Arnold, Jonathan Coutinho | Characteristics And Outcomes Of Cerebral Sinus Venous Thrombosis In SARS-CoV-2 Vaccine-induced Thrombotic Thrombocytopenia                   |
| Qatar        | <b>Adnan Khan</b> , Naveed Akhtar, MUhammad Faisal Wadiwala, Albandary Al Qurashi, Georgios Ponirakis, Ioannis Petropoulos, Maher Saqqur, Ashfaq Shuaib, Rayaz Malik  | Vascular Risk Factor Reduction Is Associated With Corneal Nerve Regeneration In Patients With Tia And Ischemic Stroke                        |
| Saudi Arabia | <b>Abdullah Alharbi</b> , Faisal Alamri, Seraj Makkawi, Hussain Alqahtani, Amer Alali, Maan almaghrabi  | Effects Of Vitamin D Level On Stroke Clinical Severity - A Retrospective Study In Saudi Arabia.  |
| Singapore    | <b>Benjamin YQ Tan</b> , Jamie SY Ho, Andrew Ho, Pin Pin Pek, Ching-Hui Sia, Leonard L. Yeo, Vijay Sharma, Marcus E. Ong, Joel Cze-Loong Aik, Huili Zheng   | Atrial Fibrillation Modifies The Effect Of Air Pollution On Ischemic Stroke  |

|                |   |  |
|----------------|---|--|
| Spain          | <b>Alvaro Garcia-Tornel Garcia</b> , Marta Rubiera, Marta Olive-Gadea, Manuel Requena, Sandra Boned, Marian Muchada, Jorge Pagola, David Rodriguez-Luna, Matias Deck, Jesus M. Juega, Noelia Rodriguez-Villatoro, Alejandro Tomasello, Carlos Piñana, David Hernandez, Francisco Purroy, Natalia Perez de la Ossa, Sonia Abilleira, Carlos A. Molina, Marc Ribo | Timing The Optimal Transfer Modality For Suspected Large-vessel Stroke Patients: A Post-hoc Analysis Of The Racecat Trial  |
| Switzerland    | <b>Christoph Kurmann</b> , Johannes Kaesmacher, Daniel L. Cooke, Marios Psychogios, Johannes Weber, Demetrius Lopes, Greg Albers, Pasquale Mordasini  | Evaluation Of Flat Panel Detector Whole Brain Perfusion Imaging In Acute Stroke Patients: Comparison With Computer Tomography Perfusion Imaging  |
| Taiwan         | <b>Yung Chia Hsieh</b> , Hsin-hsi C. Tsai, Jhih Syuan Lin, Zi Ting Kuo, Chi Ying Ho, Chih Hung Chen, Che-feng Chang   | Meningeal Lymphatic System Modulates Intra-parenchymal Hematoma Clearance And Brain Recovery In Experimental Intracerebral Hemorrhage  |
| Thailand       | <b>Wiphawadee Potisopha</b> , Karen M. Vuckovic, Holli A. Devon, Chang Park, Nichapatr Phutthikhamin, Patricia Hershberger  | Seeking Support For Symptoms Of Stroke Delays Emergency Medical Service Activation For Thai Women And Men  |
| Turkey         | <b>Ethem M. Arsava</b> , Mehmet Akif Topcuoglu, Ilknur Ay, Eric Liebler, Hakan Ay   | Non-invasive Vagus Nerve Stimulation For The Acute Treatment Of Ischemic Or Hemorrhagic Stroke   |
| United Kingdom | <b>Jesse Dawson</b> , Charles Liu, Gerard E. Francisco, Steven C. Cramer, Steven L. Wolf, Anand Dixit, Jen Alexander, Rushna Ali, Benjamin Brown, Wuwei Feng, Lou DeMark, Steven Kautz, Arshad Majid, Michael Wayne O'Dell, David Pierce, Cecilia Prudente, Jessica Redgrave, Duncan Turner, Brent Tarver, Teresa Jacobson Kimberley                            | Vagus Nerve Stimulation Paired With Rehabilitation For Upper Limb Motor Function After Ischaemic Stroke: Sub-group Analysis Of The Randomised, Blinded, Pivotal, Vns-Rehab Device Trial. |
| United States  | <b>Julian Acosta</b> , Cameron Both, Cyprien Rivier, Audrey C. Leasure, Thomas M. Gill, Sam Payabvash, Kevin N. Sheth, Guido J. Falcone   | Observed And Genomic Life'S Simple 7 Influence Brain Health-related Neuroimaging Traits In Persons Without Stroke Or Dementia  |

## Quality of Care and Outcomes Research Scientific Sessions 2022

| COUNTRY                     | AUTHOR BLOCK  | PUBLISHING TITLE   |
|-----------------------------|---|--|
| Japan                       | <b>Akihiro Hirashiki</b> , Kenichiro Nomoto, Manabu Kokubo, Atsuya Shimizu  | Effects Of Cardiac Rehabilitation After Discharge On Frailty And Balance In Elderly Patients With Cardiovascular Disease |
| United Republic of Tanzania | <b>Bahati M. Wajanga</b> , Christine Kim, Deodatus Mabula, Neema M. Kayange, John Bartlett, Brandon A. Knettel, Msabah Msabah, Jamal Msangi, Charles Muiruri                            | 12 Months Outcomes For Heart Failure Patients Attending Outpatient Clinics In Tanzania                                   |
| United Arab Emirates        | <b>Yosef Manla</b> , Feras Bader, Oshin Kanwar, Firas Al Badarin  | Temporal Trends And Drivers Of Growth In Heart Transplantation Volumes In A Globally Representative Sample               |
| United States               | <b>Raul A. Garcia</b> , John A. Spertus, Saket Girotra, Bryan F. McNally, Khadijah Breathett, Marina Del Rios, Kevin F. Kennedy, Brahmajee K. Nallamotheu, Comilla Sasson, Paul S. Chan | Racial And Ethnic Differences In Bystander Cardiopulmonary Resuscitation For Witnessed Out-of-Hospital Cardiac Arrest    |



## Resuscitation Science Symposium 2022

| COUNTRY   | AUTHOR BLOCK   | PUBLISHING TITLE  |
|-----------|--|---|
| Australia | <b>Sonali Munot</b> , Julie Redfern, Janet Bray, Blake Angell, Adrian Bauman, Andrew Coggins, Alan Robert Denniss, Cate Ferry, Garry Jennings, Pramesh Kovoor, Saurabh Kumar, Kevin Lai, Sarah Khanlari, Simone Marschner, Paul Middleton, Michael Nelson, Ian Oppermann, Christopher Semsarian, Lee Taylor, Matthew Vukasovic, Matthew Vukasovic, Sandra Ware, Clara K Chow | The Relation Of Country-of-birth With Willingness To Respond To Out-of-hospital Cardiac Arrest In Multiethnic Communities Of New South Wales (nsw), Australia   |
| Austria   | <b>Wolfgang Weihs</b> , Alexandra M Warenits, Ingrid AM Magnet, Matthias Müller, Moritz Koch, Szinovatz Alexander, Michael Holzer, Sandra Höglner  | Spinal Cord Injury In A 14 Days Survival Rat Model Of 6 And 8 Min Of Ventricular Fibrillation Cardiac Arrest, Resuscitated With Conventional Chest Compression  |
| Brazil    | <b>Isabella Bispo Diaz Toledo Martins</b> , Giuliana Simões Nakano, Manuela Simões Nakano, Pedro Silva, Vinicius Rossignoli, Rafael Batista, Thiago Cardoso, Francine Ramos, Leonardo Medeiros, Tereza Lais Zutin, Emílio dos Santos, Julia Romão, Miguel Florentino, Nayla Giroto, Yuuki Tahara, Gabriel Cunha, Uri Flato, Helio Penna Guimaraes                            | Kids Save Hearts Project: Hands-only Cardiopulmonary Resuscitation Training For Schoolchildren  |
| Canada    | <b>Chelsea Morin</b> , Po-yin Cheung, Tze Fun Lee, Megan O'Reilly, Georg Schmolzer   | Chest Compressions Superimposed With Sustained Inflations Compared To Continuous Chest Compressions With Asynchronized Ventilation During Cardiopulmonary Resuscitation In Asphyxiated Pediatric Piglets - A Randomized Controlled Animal Study |

|                   |  |  |
|-------------------|--|--|
| Denmark           | <b>Astrid Rolin Kragh</b> , Mads Christian Tofte Gregers, Anne Juul Grabmayr, Julie S Kjoelbye, Louise K Jakobsen, Linn Andelius, Fredrik Folke, Carolina Malta Hansen   | Volunteer Responders Often Provide Emotional Support To Relatives Of Out-of-hospital Cardiac Arrest Patients Even After Arrival Of The Emergency Medical Services                                  |
| Finland           | <b>Johanna Laurikkala</b> , Koen Ameloot, Matti Reinikainen, Pieter-Jan Palmers, Eline Bogaerts, Cathy De Deyne, Ferdinande Bert, Matthias Dupont, Stefan P Janssens, Joseph Dens, Johanna Hastbacka, Pekka Jakkula, Pekka Loisa, Thomas Birkelund, Erika Wilkman, Suvi Vaara, Markus Benedikt Skrifvars | The Association Of Higher Or Lower Mean Arterial Pressure On Kidney Function After Cardiac Arrest: A Post-Hoc Analysis Of The COMACARE And NEUROPROTECT Trials                                     |
| France            | <b>Alice Hutin</b> , Alexandre Bourdialt, Jean Herle Raphalen, Thomas Valentin, Tal Soumagnac, Damien Vimpere, Hatem Ammar, Christelle Dagron, Kim An, Akshay Mungur, Pierre Carli, Lionel Lamhaut   | ECPR, A New Source Of Organs   |
| Italy             | <b>Danilo Franco</b> , Tomaz Goslar, Peter Radsel, Nicola De Luca, Emanuele Barbato, Marko Noc   | Comparison Of Coronary Anatomy And Percutaneous Coronary Intervention Between Patients Undergoing Conventional And Extracorporeal Membrane Oxygenation Resuscitation                               |
| Japan             | <b>Yuta Tsurusaki</b> , Takashi Unoki, Tomoko Nakayama, Junya Matura, Takaaki Toyohuku, Yutaka Konami, Hiroto Suzuyama, Masayuki Inoue, Eiji Horio, Tetsuo Yufu, Kazuhisa Kodama, Megumi Yamamuro, Eiji Taguchi, Tadashi Sawamura, Koichi Nakao, Tomohiro Sakamoto                                       | Impact Of Concomitant Use Of Venous-arterial Extracorporeal Membrane Oxygenation And Impella Support On Short-term Mortality In Acute Coronary Syndrome Patients With Refractory Cardiogenic Shock |
| Republic of Korea | <b>Jin Hong Min</b> , Jung Soo Park, Yeon Ho You, Changshin Kang   | Optimal Early Magnetic Resonance Image Scanning Time for Predicting Neurological Outcomes in Out-of-Hospital Cardiac Arrest Survivors  |

|             |   |  |
|-------------|---|--|
| Netherlands | Bas J Verkaik, Paul Dekkers, Ton Slagboom, Christian van der Werf, Jorrit Lemkes, <b>Rudolph W Koster</b>   | Limitation Of Troponin T In Identifying The Cause Of Out-of-Hospital Cardiac Arrest  |
| Norway      | <b>Bjoern Ove Faldaas</b> , Erik Waage Nielsen, Benjamin Stage Storm, Knut Tore Lappegård, Ole-Jakob How, Bent Aksel Nilsen, Gabriel Kiss, Eirik Skogvoll, Hans Torp, Charlotte Bjoerk Ingul        | RescueDoppler: Non-Invasive Handsfree Carotid Doppler Ultrasound for Continuous Hemodynamic-Guided Resuscitation   |
| Singapore   | <b>Trina Priscilla Ng</b> , Joel Xin Rui Ting, Sean Eng, Jun Wei Yeo, Chermaine Bok, Girvan Tay, Joyce Yeon Kong, Willem Stassen, Lin Zhang, Marcus Ong Eng Hock, Audrey L Blewer, Andrew Fu Wah Ho | Global Prevalence Of Cardiopulmonary Resuscitation And Automated External Defibrillator Training: A Systematic Review And Meta-analysis  |
| Slovenia    | <b>Spela Tadel-Kocjancic</b> , Anja Jazbec, Marko Noc   | Late Awakening In Comatose Survivors Of Out-of-Hospital Cardiac Arrest   |
| Spain       | Ruth Salaberria, Andima Larrea Redin, <b>Elisabete Aramendi</b> , Zoraida Cabezas, Eburne M Mugica, Ander Arnedo  | Cerebral Oximetry Shows The Cardiopulmonary Resuscitation Leading To Return Of Spontaneous Circulation   |
| Sweden      | <b>Sofia Schierbeck</b> , Anette Nord, Leif Svensson, Andreas Claesson  | Drone-delivery Of Automated External Defibrillators Before Ambulance Arrival In Suspected Out-of-Hospital Cardiac Arrest   |
| Taiwan      | <b>Chih-Hung Wang</b> , Tsung-Chien Lu, Chong Kah Meng, Eric H Chou, Chu-Lin Tsai, Chien-Hua Huang, Matthew Huei-Ming Huei-Ming, Wen-Jone Chen  | Association Between Trajectories Of End-Tidal Carbon Dioxide And Return Of Spontaneous Circulation Among Emergency Department Patients With Out-of-Hospital Cardiac Arrest: A Retrospective Analysis Of A Prospective Registry |

|                |  |  |
|----------------|--|--|
| United Kingdom | <b>Amy Kernaghan</b> , Adam Harvey, Olibhear McAlister, Hannah Torney, David McEneaney, Jennifer Adgey   | High First Shock Success With Reduction In Refractory Ventricular Fibrillation In A Real-world Public Access Defibrillator Registry Of Out-of-hospital Cardiac Arrests |
| United States  | <b>Monique M Gardner</b> , David Hehir, Robert A Berg, Ericka L Fink, Stuart Friess, Kathryn Graham, Monica L Harding, Ryan W Morgan, Vinay M Nadkarni, Heather A Wolfe, Robert M Sutton, Alexis A Topjian   | Early Post-Cardiac Arrest Blood Pressure Thresholds Associated With Outcomes: A Secondary Analysis Of The ICU-Resuscitation Trial                                      |
| Vietnam        | Son Ngoc Do, <b>Chinh Quoc Luong</b> , Toshie Manabe, My Ha Nguyen, Dung Thi Pham, Tra Thanh Ton, Quoc Trong Ai Hoang, Dat Tuan Nguyen, Thao Thi Ngoc Pham, Hanh Trong Hoang, Dai Quoc Khuong, Quan Huu Nguyen, Tuan Anh Nguyen, Hien Duy Dang, Hai Bui Hoang, Chi Van Nguyen, Anh Dat Nguyen, Bryan Francis McNally, Marcus Eng Hock Ong, Co Xuan Dao | No Bystander Cardiopulmonary Resuscitation For Out-Of-Hospital Cardiac Arrest In Vietnam: Impact On The Outcomes   |

## Scientific Sessions 2022

| COUNTRY    | AUTHOR BLOCK   | PUBLISHING TITLE   |
|------------|--|--|
| Argentina  | <b>Gabriela Barrientos</b> , Claudio A Incardona, Graciela Giardina, Ana M Uceda, Ma Alejandra Sgariglia, Monica Galleano, Silvia I Garcia   | Therapeutic Potential Of Alpha Lipoic Acid In A Rat Model Of Superimposed Preeclampsia: Effect On Maternal Signs, Placental Development And Fetal Growth   |
| Australia  | <b>Andrew J Coats</b>  | Patiromer To Manage Hyperkalemia In Patients Receiving Optimized Renin-angiotensin-aldosterone System Inhibitors For Heart Failure (Diamond): Prespecified Analysis Of Patients With Hyperkalemia Or Previous Hyperkalemia |
| Austria    | Lukas Sprenger, Maximilian Maechler, Alexander Vonbank, Barbara Larcher, Arthur Mader, <b>Andreas Leihner</b> , Axel Muendlein, Heinz Drexel, Christoph H Saely  | Chronic Kidney Disease, Type 2 Diabetes And The Risk Of Major Cardiovascular Events In Coronary Artery Disease Versus Peripheral Artery Disease Patients   |
| Bangladesh | <b>Aaysha Cader</b> , Ishmum Z Chowdhury   | Trends In Cardiovascular Services And Procedure Volumes Across Different Phases Of The Covid-19 Pandemic: An Analysis Of 2019-2022   |
| Belgium    | <b>Henri Gruwez</b> , Myrte Barthels, Laurent Pison, Dieter Nuyens, Pieter Vandervoort, Ziekenhuis Oost-Limburg, Noëlla Pierlet  | Identification Of Patients With Atrial Fibrillation Using An Electrocardiogram In Sinus Rhythm: External Reproduction And Validation Of A Deep Neural Network Algorithm  |
| Brazil     | <b>Milena Soriano Marcolino</b> , Flávio Azevedo Figueiredo, Lucas Emanuel Ferreira Ramos, Magda Carvalho Pires, Daniela Ponce, Rafael Lima Rodrigues Carvalho, Luanna Silva Monteiro Menezes, Karina Paula Medeiros Prado Martins, Maira Viana Rego Viana Rego Souza e Silva, Guilherme Fagundes Nascimento, Talita Fischer Oliveira, Maria Clara Pontello Barbosa Lima, Maria Aparecida Camargos Bicalho, Fernando Anschau, Polianna Delfino Pereira | Development And Validation Of A Risk Score To Predict Kidney Replacement Therapy In Covid-19 Patients  |

|                |  |   |
|----------------|--|---|
| Canada         | <b>Jennifer Conway</b> , Sandar Min, Chet Villa, Robert G Weintraub, Stephanie J Nakano, Justin Godown, Armstrong Kathryn, Marc E Richmond, Beth D Kaufman, Ashwin K Lal, Seshadri Balaji II, Alyssa Power, Letizia Gardin, Paul F Kantor, John J Parent, Peter F Aziz, John L Jefferies, Tanya Papaz, Aamir Jeewa, Lee N Benson, Mark W Russell, Robert Whitehall, Joseph Rossano, Taylor Howard, Seema Mital | The Prevalence And Association Of Exercise Test Abnormalities With Sudden Cardiac Death And Transplant-free Survival In Childhood Hypertrophic Cardiomyopathy |
| Chad           | <b>Neguemadji Ngardig Ngaba</b> , Uzoego N Chibuzo, Meet Patel, Amit Gulati, Imteyaz A Khan, Allarangué Succès, Jean Philippe Lesbre   | Case Report Of A Mitral Stenosis In A Young Growing Teenager After Rheumatic Mitral Regurgitation Valve Repair  |
| Chile          | <b>Patricio A Araos</b> , Sut'yam Cortes, Rafael Campos, Javier Reyes, Stefanny Figueroa, Maria Jose Fuenzalida, Rodrigo Pacheco, Cristian A Amador  | Renal CD11c+ F4/80- Dendritic Cells, But Not Renal CD11c+ F4/80+ Macrophages, Transfer The Hypertension From Angiotensin II-mice                              |
| China          | <b>Sitong Li</b> , Chao Jiang, Yufeng Wang, Yiwei Lai, Liu He, Chen-Xi Jiang, Ribo Tang, Caihua Sang, Deyong Long, Jz Dong, Changsheng Ma  | Diastolic Blood Pressure And Intensive Blood Pressure Control On Cognitive Outcomes: Insights From The SPRINT Trial   |
| Colombia       | <b>German Jose Medina-Rincon</b> , Sebastian Gallo, Maria Daniela Valderrama Achury, Joaquin Castañeda, Dickens Abigail Montanez, Gabriel Salazar Castro, Claudia Gutierrez, Victor Marín, Claudia Patricia Jaimes Castellanos, Julian Francisco Forero, Hector Medina   | Cardiac Cta Utilization For Chest Pain Stratification Increased During And After The Covid-19 Pandemic: Experience Of A Latin-american Center                 |
| Czech Republic | <b>Peter Wohlfahrt</b> , Dominik Jenca, Dana Dlouhá, Vojtech Melenovsky, Petr Jarolim, Marek Sramko, Martin Kotrc, Michael Zelizko, Jolana Mrazkova, Jan Pitha, Vera Adamkova, Josef Kautzner  | Hypocretin/orexin Receptor-2 Influences Mortality Risk After Myocardial Infarction.   |

|                    |   |  |
|--------------------|---|--|
| Denmark            | <b>Andreas Bugge Tinggaard</b> , Maria Kreiberg Kreiberg Skou, Lotte Sørensen, Jacob Seefeldt, Niels Jessen, Helene Norrelund, Henrik Wiggers   | Physical Incapacity In Heart Failure Patients Is Associated With Skeletal Muscle Mitochondrial Dysfunction   |
| Dominican Republic | Juan Ruddy Fondeur Acosta, Danna Reyes, <b>Annie Gisselle Ramirez</b>   | Heart Failure With Preserved Ejection Fraction Induced By Amyloid Light Chain Amyloidosis: A Case Report   |
| Egypt              | Ahmed K. Awad, Mohammed Tarek Hasan, Mohamed Shih, Amir N. Attia, Heba Aboeldahab, <b>Basel Abdelazeem</b> , Nischit Baral, Pramod Savarapu, Annabelle S Santos Volgman   | Which Sodium-Glucose Cotransporter 2 Inhibitors Agent Is More Effective In Patients With Heart Failure? A Systematic Review And Network Meta-analysis Of Randomized Clinical Trials                    |
| Finland            | <b>Ida Hookana</b> , Lauri Holmstrom, Antti Kiviniemi, Tuomas Kentta, Anette Haukilahti, Juha Vahatalo, Mikko Tulppo, Olavi Ukkola, Samuli Lepojarvi, Jani Tikkanen, Olli-Pekka Piira, Lasse Pakanen, Juha Perkiomaki, Heikki Huikuri, Juhani Juntila | The Risk Factors For Ischemic Sudden Cardiac Death In Women  |
| France             | Simon Leboube, Camille Brun, Florentin Moulin, Ahmad Hayek, Iyad Abousaleh, Alexandre Paccalet, Gilles Rioufol, Cyril Prieur, Eric Bonnefoy-Cudraz, Nathan O Mewton, Gabriel Bidaux, Melanie Paillard, Claire Crola Da Silva, <b>Thomas Bochaton</b>  | Kinetics And Prognosis Value Of Rantes (ccl5) At The Acute Phase Of Stemi  |
| Georgia            | <b>Tea Gegenava</b> , Maka Gegenava   | Prevalence Of Left Ventricular Systolic Dysfunction Defined By Standard And Advanced Echocardiographic Measurements In Patients With Systemic Lupus Erythematosus: A Systemic Review And Meta-analysis |

|                          |  |   |
|--------------------------|--|---|
| Germany                  | <b>Noah Goehringer</b> , Harald Stachelscheid, Ibrahim El-Battrawy, Katarzyna Ludwik, Leif-Hendrik Boldt, Abdul Parwani, Burkert Pieske, Frank Heinzl, Felix Hohendanner   | Hpsc Derived Cardiomyocytes For Mechanistic, Patient Tailored Treatment In A Novel Mutation Linked To Cpv   |
| Hong Kong                | <b>Chung Chun Man</b> , Kai Hang Yiu, Qingwen Ren, Shuk Yin Yu, Pui Fai Wong   | Statin Decreases Risk of Dementia in Patients With Osteoarthritis: A Population-Based Study Abstract  |
| Hungary                  | Olga Hajnalka H Balint, <b>Dorottya Kecskemeti</b> , Zsolt Nagy, Balazs Szabo, Andras Temesvari  | Transcatheter Closure Of Atrial Septal Defect Over The Age Of 60  |
| India                    | <b>Vikash Jaiswal</b> , Song Peng Ang, Angela Ishak, Yusra Nasir, Jia Ee Chia, Mounika Reddy Vadiyala, Sidra Naz, Kriti Lnu, Akash Jaiswal   | Comparison Of Outcome Between Type 2 Versus Type 1 Myocardial Infarction: A Systematic Review And Meta-analysis   |
| Islamic Republic of Iran | <b>Mohammad Hosein Yazdanpanah</b> , Adriana Torres, Maryam Sharafkhah, Arash Etemadi, Farin Kamangar, Sanford M Dawsey, Christian C Abnet, Maryam Hashemian, Reza Malekzadeh  | Dietary Intake Of Minerals And Risk Of Cardiovascular Mortality In The Golestan Cohort Study  |
| Iraq                     | <b>Zainab A Dakhil</b> , Aaysha Cader  | Women Representation In Authorship Of European Society Of Cardiology Guidelines: Temporal Trends And A Geographic Perspective   |
| Ireland                  | <b>Aoife Maher</b> , Brendan F McAdam  | Indeterminate Cardiomyopathy In A Patient With Birt Hogg Dubé Syndrome And A Clinical Diagnosis Of Scleroderma And Prior Atrial Tachy Arrhythmias: A Diagnostic And Therapeutic Dilemma |
| Israel                   | <b>Tal Caller</b> , Olga Shaihov-Teper, Yeshai Schary, Daria Lendengolts, Itai Rotem, Racheli Peled, Ruty Shai, Efrat Glick-Saar, Dan Dominissini, Alex Boomgarden, Crislyn D'Souza-Schorey, Nili Naftali Shani, Jonathan Leor | The Role Of Cardiac Extracellular Vesicles In Tumor Growth  |



|                        |   |   |
|------------------------|---|---|
| Italy                  | <b>Deni Kukavica</b> , Alessandro Trancuccio, Maira Marino, Gala Giannini, Luca Rossetti, Muhammad Mohsin, PIETRO ORANI, Alessandro Esposito, Mirella Memmi, Raffaella Bloise, Massimo Morini, Andrea Mazzanti, Silvia G Priori | Survival Benefit Of Implantable Cardioverter Defibrillators In Patients With Catecholaminergic Polymorphic Ventricular Tachycardia  |
| Jamaica                | <b>Nadia R Bennett</b> , Trevor S Ferguson, Novie O Younger-Coleman, Marshall Tulloch-Reid, Rainford Wilks, J Kennedy Cruickshank   | Vascular Growth Factors And Their Association With Arterial Stiffness In The 1986 Jamaica Birth Cohort: A Longitudinal Analysis   |
| Japan                  | <b>Chien Lun Hsiao</b> , Masayoshi Suda, Goro Katsuumi, Ippei Shimizu, Yohko Yoshida, Takaaki Furihata, Ryo Furuuchi, Tohru Minamino, Yung Ting Hsiao   | Glycoprotein Nonmetastatic Melanoma Proteinbbregulates Lysosomal Integrity And Lifespan Of Senescent Endothelial Cells  |
| Republic of Korea      | Yujin Jeong, Heajin Yu, <b>Boyoung Hwang</b>  | Self-care Adherence And Related Factors In Koreans With Heart Failure   |
| Republic of Korea      | <b>Minjae Yoon</b> , Dong Choi  | Self-monitoring Of Blood Pressure And Feedback Using App In Treatment Of Uncontrolled Hypertension: SMART-BP Study  |
| Libyan Arab Jamahiriya | <b>Muhammed Khaled Elfaituri</b> , Ala Khaled, Ahmed Tarek Saeed Benghatnsh, Ahmed Msherghi, Ahmed Elfaituri, Elham Omran, Hazem Abdelkarem Faraj   | Coronary Artery Bypass Grafting Demonstrates Lower Mortality Rates Compared To Percutaneous Coronary Intervention For Multivessel Coronary Artery Disease: An Updated Systematic Review And Meta-analysis |
| Malaysia               | <b>Jia Ee Chia</b> , Tong Hong Chia, Song Peng Ang  | Sex Differences And Clinical Outcomes In Patients With Myocardial Infarction With Non-obstructive Coronary Arteries. A Meta-analysis  |
| Malta                  | <b>Rachel Anne Xuereb</b> , Jessica Barbara, Jessica Gatt, Nicholas Tabone Adami, Jessica Darmanin, Renee Erasmi, Robert George Xuereb, Fava Stephen, Caroline J. Magri   | Clinical Outcomes At Medium-term Follow-up Of COVID-19  |

|                       |  |  |
|-----------------------|--|--|
| Mexico                | <b>Dayana Orozco-Sepulveda</b> , Jorge Eduardo Hernandez del Rio, Ramon Esturau Santalo, Tomas Miranda - Aquino  | Libman-Sacks Endocarditis Mimicking Intracardiac Tumor in a Patient With Systemic Lupus Erythematosus and Secondary Antiphospholipid Syndrome          |
| Mozambique            | <b>Carol Nhavoto</b> , Sheila Magaia Aissa, Tavares Madede, Orvalho Augusto, Sozinho Estefane, Joao Macave, Alda Menete, Beatriz Ferreira  | Surgical Outcomes Of Patients With Endomyocardial Fibrosis Operated At The Heart Institute In Mozambique   |
| Netherlands           | <b>Sean J Jurgens</b> , Seung H Choi, Christopher M Haggerty, Ling Xiao, Valerie N Morrill, Nicholas A Marston, Lu C Weng, James P Pirruccello, Matthew C Hill, Christian T Ruff, Marc S Sabatine, Kathryn Lunetta, Steven A Lubitz, Patrick T Ellinor | Sequencing In Over 50,000 Cases Identifies Coding And Structural Variation Underlying Atrial Fibrillation Risk   |
| New Zealand           | Nilanjan Ghosh, Sonya Fenton, Aniruddha Chatterjee, Daryl Schwenke, <b>Rajesh Katare</b>   | In Vivo Knockdown Of Proapoptotic Mir-320 Restores Cardiac Function And Angiogenesis In A Mouse Model Of Type 2 Diabetes                               |
| Norway                | <b>Dana Cramariuc</b> , Hassan Alfraidi, Yasufumi Nagata, Robert Levine, Carl Andrews, Judy Hung   | Greater Prognostic Value Of Left Atrial Mechanics Compared To Left Atrial Volume In Atrial Functional Mitral Regurgitation                             |
| Pakistan              | <b>Nomesh Kumar</b> , Renuka Verma, Kamleshun Ramphul, Yogeshwaree Ramphul, Hussien Kassem, Shaheen Sombans, Komal Kumari, Stephanie Mejias, Fnu Arti, Petras Lohana   | Sex Disparities In Cardiovascular Events Among Sarcoidosis Patients: Insights From 2019 National Inpatient Sample                                      |
| Palestinian Territory | <b>Haneen Dwaib</b> , Ghina Ajouz, Nahed Mougharbil, Omar Obeid, Ahmed El-Yazbi  | Sexual Dimorphism Of Therapeutic Fasting In Mitigating Metabolic And Cardiovascular Dysfunction In Prediabetes: Possible Role Of Adipose Dysfunction.  |
| Paraguay              | <b>Miguel A. Quintana</b> , Arnaldo Lopez Ruiz, Marcos Benitez, Jose Gimenez, Jorge Martinez, Johana Roa, Angel Enciso   | Role Of Arterial Blood Gas Variables In The Prognostication Of Patients With Acute Decompensated Heart Failure Admitted To Cardiac Intensive Care Unit |

|                    |  |   |
|--------------------|--|---|
| Philippines        | <b>Maria Monica Valdez</b> , Dana Rosielou L Rubiano, Milagros Estrada Yamamoto, Jose S Yamamoto   | Double Whammy: An Unusual Case of Mycotic Abdominal Aortic Aneurysm in a Bacteremic Patient - Case Report                           |
| Poland             | <b>Jacek Kolcz</b> , Elzbieta Karnas, Ewa K Zuba Surma   | The Cardioprotective And Anti-inflammatory Effect Of Inhaled Nitric Oxide During Fontan Surgery: A Prospective Randomized Study     |
| Portugal           | <b>Leonor Parreira</b> , Pedro Carmo, Dinis Mesquita, Rita Marinheiro, Lia Marques, Sofia Mancelos, Rebecca Hitchen, Antonio Ferreira, Mikhail Chmelevsky, Stepan Zubarev, Pedro Araujo Goncalves, Hugo Marques, Pedro Adragao | Electrocardiographic Imaging Accuracy And Coherence Between Two Different Systems   |
| Qatar              | <b>Sara Al-Balushi</b> , Alaa Rahhal, Mohamed Abdelghani, Mohammed Awad Ashour, Yazan Al-Mohtasib, Abdul Rehman Abid, Jassim Alsuwaidi   | Effectiveness And Safety Of Ticagrelor Versus Clopidogrel In Acute Coronary Syndrome: A Meta-analysis Of Real - World Data          |
| Réunion            | <b>Kevin Chemello</b> , Antonio Gallo, Gilles Lambert  | Lipoprotein(a) Is A Residual Cardiovascular Risk Factor In Statin Treated Stroke Survivors - Insights From The SPARCL Trial         |
| Romania            | <b>Nastasa Alexandrina</b> , Luminita Nirlu, Corneliu Iorgulescu, Dan-andrei Radu, Stefan Bogdan, Cosmin Cojocaru, Mohamed Dardari, Radu G Vatasescu   | A New Score For Predicting Results After Catheter Ablation For Atrial Fibrillation  |
| Russian Federation | <b>Marina Muksinova</b> , Oleg Narusov, Valeriy Masenko, Alexey Sychev, Sergey Tereschenko, Andrey Skvortsov   | Effectiveness Of Sst2-guided Therapy In Patients With Heart Failure With Reduced Ejection Fraction                                  |
| Saudi Arabia       | <b>Ahmed H Aljizeeri</b> , Amjad M Ahmed, Mohammed Zayed, Mousa AlaliAlfaris, Awadelkarim Elneama, Ihab Suliman, Mohsen Alharthi, Ahmed A Alsaileek, Mouaz Al-Mallah   | The Yield Of Stress Myocardial Perfusion Imaging In Patients With Chest Pain And Low Pretest Probability Of Coronary Artery Disease |

|             |  |  |
|-------------|--|--|
| Senegal     | Massamba Diop, <b>Bamba Gaye</b> ,<br>Ibrahima Bara Diop, Crystal N<br>Cene, Xavier Jouven   | Time Trends In Infectious And<br>Chronic Disease Consultations In<br>Dakar, Senegal: Impact Of Covid-19<br>Preventative Measures                     |
| Serbia      | <b>Miodrag C Ostojic</b> , Natalija<br>Arnautovic, Dusko Nezic, Tatjana<br>Ragus, Petar Otasevic, Nebojsa<br>Tasic, Aleksandra Nikolic, Bojan<br>Stanetic, Slobodan Micovic,<br>Tamara Preradovic, Dragana Unic<br>Stojanovic, Stefan Veljkovic,<br>Vladimir Mihajlovic, Luka Cucic,<br>Milan Milojevic, Dragoljub Djokic,<br>Snezana Boric, Milovan Bojic | Five-year All-cause Mortality In The<br>Contemporary Coronary Artery<br>Disease Patients Who Would Be<br>Eligible For ISCHEMIA Trial                 |
| Singapore   | <b>Nishanth Thiagarajan</b>  | Role Of Cardiac MRI In The<br>Evaluation Of T Wave Inversion In A<br>Large Pre-participation Cohort Of<br>Young Asian Males                          |
| Slovenia    | <b>Gregor Poglajen</b> , Laura Poljančič,<br>Rok Zbačnik, Sabina Frljak, Gregor<br>Zemljčič, Andraz Cerar, Neža Žorž,<br>Renata Okrajšek, Miran Šebeštjen,<br>Bojan Vrtovec  | Decreased CD34+ Cell Count Is<br>Associated With Coronary Allograft<br>Vasculopathy In Heart Transplant<br>Recipients                                |
| South Korea | <b>Hyung-Bok Park</b> , Reza Arsanjani,<br>Sung-jin Hong   | Impact Of Hypertriglyceridemia On<br>Cardiovascular Mortality According<br>To Low-density Lipoprotein<br>Cholesterol In A 15.6-million<br>Population |
| Spain       | Isabel Monereo Moreno, Carmen<br>Carreras Blesa, María Ángeles<br>Tejero Hernández, María del Mar<br>Rodríguez Vazquez del Rey, Blanca<br>Alexandra Molina Cuevas, Jose<br>Manuel Garrido, Jaime Casares<br>Mediavilla, Marta Yagüe Martín,<br>Rosa Macías, <b>Juan Jimenez-Jaimez</b> ,<br>Francesca Perin  | Early-onset Recurrent Malignant<br>Arrhythmias In A Child With<br>Hypertrophic Cardiomyopathy  |
| Sweden      | <b>Naoko P. Kato</b> , Semyon Melnikov,<br>Quin E Denfeld, Jesus Casida, Anna<br>Stromberg, Tuvia Ben Gal,<br>Christopher S Lee, Tiny Jaarsma  | Psychometric Testing Of The Left<br>Ventricular Assist Device Self-care<br>Behaviour Scale   |

|                      |  |  |
|----------------------|--|--|
| Sweden               | <b>Selvi Celik</b> , Ludvig Hyrefelt, Tomasz Czuba, Oscar Andre, Lovisa Lindquist, Mario Grossi, Pontus Nordenfelt, Gustav Smith, Olof Gidlof  | Antisense Transcripts Regulate Titin Alternative Splicing And Sarcomere Function In Human Induced Pluripotent Stem Cell-derived Cardiomyocytes                               |
| Switzerland          | <b>Soheil Saeedi</b> , Aurélien Thomas, Sylvain LeGludic, Karsai Gergely, Sandra Lettlova, Elena Osto, Meret Allemann, Pratintip Lee, Juerg H Beer   | Acetate Rescues The Gut Microbial Metabolites PAA/PAG-induced Vascular Senescence By Epigenetic And SASP Regulation  |
| Syrian Arab Republic | Mohamed Tarek Abuelazm, Ahmed K. Awad, <b>Sarya Swed</b> , Basel Abdelazeem, Nischit Baral, Pramod Savarapu, Annabelle S Santos Volgman  | The Effect Of Emergency Versus Delayed Coronary Angiography After Out-of-hospital Cardiac Arrest Without St-segment Elevation: A Meta-analysis Of Randomized Clinical Trials |
| Taiwan               | <b>Tsuey-yuan Huang</b> , Ming-Fen Tsai, Chin-Yen Lin, Misook L Chung  | A Biomarker of Stress and Self-Reported Stress Related to Caregiving Predict Poor Quality of Life in Caregivers of Patients With Heart Failure                               |
| Thailand             | Chayodom Maneechote, <b>Thawatchai Khuanjing</b> , Benjamin Ongnok, Apiwan Arinno, Nanthip Prathumsap, Titikorn Chunchai, Busarin Arunsak, Sasiwan Kerdphoo, Siriporn Chattipakorn, Nipon Chattipakorn | Inhibition Of Cardiac Mitochondrial Fission As An Effective Intervention Against Trastuzumab-Induced Cardiotoxicity In Rats  |
| Turkey               | <b>Esra Donmez</b> , Sevgi Ozcan, Murat Ziyrek, Irfan Sahin, Ertugrul Okuyan   | Can Grace Risk Score Predict Mortality In Pulmonary Embolism?  |
| Uganda               | Jafesi Pulle, Emma Ndagire, Ndate Fall, Doreen Nakagaayi, Emmy Okello, Joselyn Rwebembera, Craig A Sable, Rachel Sarnacki, <b>Scott Wirth</b> , Jonathan Carapetis, Andrea Z Beaton                    | Low Risk Of Rheumatic Heart Disease Among Children Found To Have An Alternate Diagnosis To Acute Rheumatic Fever In A High Risk Setting                                      |

|                                  |  |   |
|----------------------------------|--|---|
| United Arab Emirates             | Ahlam Alawadhi, Moutaz El Kadri, Omar A Al Falasi, Rizwan Ahmed, Zainab Altaha, Amany Hillis, Basheer Panikkaveetil, <b>Sara Abdalla</b> , Honey Ansel Benette, Adhba Almubarak, Mohammed Saifuddin, Yousef Alattar, Abderrahim Oulhaj, Salem Alkaabi                                  | The Effects Of Hydroxychloroquine On Electrocardiogram Intervals  |
| United Kingdom                   | <b>Adam Ioannou</b> , Rishi Patel, Yousuf Razvi, Aldostefano Porcari, Lucia Venneri, Ambra Masi, Paolo Massa, Daniel Knight, Ana Martinez-Naharro, Tushar Kotecha, Liza Chacko, Helen Lachmann, Ashutosh Wechalekar, Carol Whelan, Philip Hawkins, Julian D Gillmore, Marianna Fontana | Changes In Clinical Phenotype Of Patients With ATTR Cardiac Amyloidosis During The Past 20 Years  |
| United States                    | Richard Lee, Anne Marie Mazzola, Maurine Braun, Colin Platt, Scott Vafai, Sekar Kathiresan, Ellen Rohde, Andrew M Bellinger, <b>Amit V Khera</b>   | VERVE-101—An Investigational Single-Course Gene Editing Medicine Targeting PCSK9—Durably And Potently Lowers PCSK9 And LDL-C Concentrations In Non-Human Primates   |
| Bolivarian Republic of Venezuela | <b>Christian R Guilliod</b> , Vanessa Blumer   | Implementation Barriers Of Class 1a Heart Failure Guideline Recommendations In Developing Countries   |
| Vietnam                          | Thach N Nguyen, Wei Hsu Che, <b>Phuc Xuan Minh Le</b> , Duc Nguyen, Thien Pham, Quang Phuc Vu, Duong Huynh, Quang Dat Ha, Loc Vu, Nghi Tran, Thoa Le, Thanh Hoang, Cardy Nguyen, Sarthak Aggarwal Aggarwal, Imran Mihas, Duc Nguyen Huu  | Prolonged Arterial Phase Is The Culprit Pathology In Patients With Chest Pain, Elevated Troponin Level, Abnormal Thallium Scan And Patent Coronary Arteries: An Angiographic, Machine Learning Analysis For A Personalized Preventive Medicine Approach |

## Vascular Discovery Scientific Sessions 2022

| COUNTRY            | AUTHOR BLOCK   | PUBLISHING TITLE  |
|--------------------|--|---|
| Canada             | <b>Dakota Gustafson</b> , Michelle Ngai, Ruilin Wu, Huayun Hou, Clara Erice, Michael Wilson, Kevin Kain, Kate Hanneman   | Multiparametric Circulating Cardiovascular Biomarkers Elucidate A Molecular Signature Of Coronavirus Disease 2019 Mortality And Identify Vascular Barrier Stabilizing Therapies |
| China              | <b>Chen Wang</b> , Yuanming Xing, Jiao Zhang, Ming He, Zuyi Yuan, Jason X.-J. Yuan, John Y.-J. Shyy  | Mediator 1 Regulation Of The BMP / TGF- $\beta$ Signaling In Endothelium: Implications For Pulmonary Hypertension   |
| Czech Republic     | <b>Mohamad Ali Antabi</b> , Michael A. Hagler, Heyu Zhang, Bin Zhang, Carolyn M. Roos, Jordan Miller   | Targeting Fundamental Mechanisms Of Aging To Attenuate Molecular Drivers Of Vascular Calcification  |
| France             | <b>Francois Briand</b> , Valentin Sencio, Thierry Sulpice, François Trottein   | Sars-cov-2 Infection Promotes Dyslipidemia And Non-alcoholic Steatohepatitis In Diet-induced Obese Golden Syrian Hamsters   |
| Germany            | <b>Giulia Karolin Buchmann</b> , Beatrice Pflüger-Müller, Manuela Spaeth, David John, Wesley T. Abplanalp, Stefanie Dimmeler, Ralf P. Brandes  | Regulation Of The Smooth Muscle Cell Phenotypic Switch In Resolution Of Vascular Injury   |
| Japan              | <b>Yusuke Adachi</b> , Kazutaka Ueda, Kaoru Ito, Seitaro Nomura, Eiki Takimoto, Issei Komuro   | Beiging Of Perivascular Adipose Tissue Regulates Its Inflammation And Vascular Remodeling   |
| Russian Federation | <b>Maria Evseyeva</b> , Michail Eremin, Oxana Sergeeva, Victoria Kudrjavitseva, Evgeniy Shchetinin   | Early Vascular Aging In Young People And Their Connective Tissue Status   |
| Spain              | <b>Paula Nogales</b> , Carlos Velasco, Leticia Gonzalez-Cintado, Daniel Morales Cano, Adriana Mota-Cobián, Rubén A. Mota, Carlos Torroja, Diana Sharysh, Alberto Benguria, Ana Dopazo, Laura Carramolino, Samuel España, Jesus Mateo de Castro, Jacob F. Bentzon | FDG-PET Monitors Atherosclerosis Disease Activity In Minipigs.  |

|                |   |  |
|----------------|---|--|
| Sweden         | <b>Glykeria Karadimou</b> , Bianca Suur, Melody Chemaly, Hong Jin, Malin Kronqvist, Mariette Lengquist, Sander W. van der Laan, Maria Sabater Lleal, Anders Mälarstig, Pasterkamp Gerard, Per Eriksson, Ulf Hedin, Eva Hurt-Camejo, Daniel F. Ketelhuth, Ljubica Matic                            | Proprotein Convertase Subtilisin/Kexin 6 Is Involved In Lipid Metabolism In Liver  |
| United Kingdom | <b>Meredith Whitehead</b> , Sadia Ahmad, Syabira Yusoff, Cathy Shanahan   | Senescence Drives Changes In Vesicle Secretion And Extracellular Matrix Organisation To Enhance Vascular Amyloidosis               |
| United States  | <b>Ozlem Tufanli Kireccibasi</b> , Bianca Scolaro, Ada Weinstock, Angelica Torres Berrio, Eric Parise, Flurin Cathomas, Kenny Chan, Eric Nestler, Scott Russo, Edward Fisher  | Susceptibility To Social Stress Modulates Hematopoiesis And Impairs Atherosclerosis Resolution                                     |
| United States  | <b>Connie N. Hess</b> , Mark R. Nehler, Judith A. Hsia, Wolfram Ruf, David A. Morrow, Jose Nicolau, Otavio Berwanger, Michael Szarek, Warren Capell, Shilpa Johri, Michael Pursley, Ryan Gupta, Debra Marshall, Christopher Graybill, Ian Carroll, Thomas Keuer, Michael Bristow, Marc P. Bonaca. | Novel Tissue Factor Inhibition For Thromboprophylaxis In COVID-19: Primary Results Of The ASPEN-COVID-19 Phase 2b Randomized Trial |