The following list of ePosters will be available for viewing starting at 10:00 AM Central time, Monday, September 27 and available throughout all three days of the conference. Please be sure to visit the virtual poster hall!

**Aldosterone, Receptors and Signal Transduction**

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**Primary Aldosteronism Screening In At-risk Populations**  
Winnie Nhan, Caitlin Urban, Yuxuan Chen, Lili Zhao, Lynn Holevinski, **Adina F. Turcu**, Univ of Michigan, Ann Arbor, MI

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**Inhibition Of Mtor Decreases Angiotensin II-induced Steroidogenesis In Hac15 Cells**  
Yusuf Ali, Univ of Mississippi Medical Ctr, Jackson, MS; Elise P Gomez-sanchez, U. MISSISSIPPI MEDICAL CENTER, Jackson, MS; Celso E Gomez-Sanchez, UNIV MISSISSIPPI MEDICAL CENTER, Jackson, MS

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**A PATIENT'S 45 YEAR STORY AFTER 1 3/4 ADRENALECTOMY FOR PRIMARY ALDOSTERONISM DUE TO ADRENAL HYPERPLASIA: IMPROVED CONTOL WITH LOW NA DASH DIET.**  
Clarence E Grim, High Blood Pressure Consulting, Stateline, NV; Paul Kabrna, The Patient, Barnoldswick BB18 5QU, United Kingdom

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**Simultaneous Treatment With Ivabradine And Spironolactone Does Not Modify Hypertension-induced Myocardial Fibrosis In Dahl Salt-sensitive Rats**  
Eduard I. Dedkov, Andrew T. Milcarek, Cooper Medical Sch of Rowan Univ, Camden, NJ

**Antihypertensive Drugs and Pharmacology**

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**Development Of An Oral Drug Delivery System For The Cardio-protective Neuropeptide Alpha-calcitonin Gene Related Peptide**  
Ambrish Kumar, Maelee G Williamson, Andrew Hess, Donald J DiPette, Jay D Potts, Univ of South Carolina Sch of Med, Columbia, SC

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**Anti- Mir-510 In The Treatment Of Essential Hypertension By Using Hypertensive Rats**  
Auxzilia Preethi K, Sushmaa Chandralekha J.S, Durairaj sekar, Saveetha Inst of Medical and Technical Sciences, chennai, India

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**Side Effects Of Initial Combination Versus Monotherapy For Patients With Hypertension**  
Jaejin An, Kaiser Permanente Southern California, Pasadena, CA; Matthew Mefford, Kaiser Permanente, Pasadena, CA; Liang Ni, Kaiser Permanente Southern California, Pasadena, CA; Rong Wei, Kaiser Permanente So. California, Pasadena, CA; Hui Zhou, Kaiser Permanente So. California, Pasadena, CA; Teresa N Harrison, KAISER PERMANENTE SOUTHERN CA, Pasadena, CA; Jeff Brettler, KAISER PERMANENTE SOUTHERN CA, Pasadena, CA, Los Angeles, CA; Paul Muntner, UNIVERSITY ALABAMA BIRMINGHAM, Birmingham, AL; Kristi Reynolds, KAISER PERMANENTE, Pasadena, CA

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**A Promising Novel Hypertension Drug Candidate**  
Haralambos Gavras, BOSTON UNIV MED CTR, Boston, MA; Joel Neutel, Orange County Res Ctr, Tustin, CA; Ronald J Elin, Univ of Louisville Sch of Med, Louisville, KY; Andrea Rosanoff, Ctr for
Intravenous Hydralazine Effect On Blood Pressure Following Severe Inpatient Hypertension Development

Lama Ghazi, Yale Univ, New Haven, CT; Fan Li, Eric Chen, Yale Univ, New Haven, CT; MICHAEL SIMONOV, New Haven; Yu Yamamoto, Aditya Biswas, New Haven, New Haven, CT; Jonathan Hanna, Tayyab Shah, Aldo J Peixoto, F. Perry Wilson, Yale Univ, New Haven, CT

Comparative Efficacy Of Bisoprolol Compared To Other Selective Beta-1 Blockers In Patients With Hypertension - A Systematic Review And Meta-analysis Of Observational Studies

Uday M Jadhav, MGM NEW BOMBAY HOSPITAL, New Mumbai, India; Tiny Nair, PRS Hosp, Trivandrum, India; SANDEEP BANSAL, VMMC and Safdarjung Hosp, New Delhi, India; Saumitra Ray, Vivekananda Inst of Medical Sciences, Kolkata, India

Blood Pressure Monitoring

Orthostatic Hypotension, Orthostatic Hypertension And Ambulatory Blood Pressure In Patients With Chronic Kidney Disease: Findings From The Chronic Renal Insufficiency Cohort Study

Lama Ghazi, Yale Univ, New Haven, CT; Jordana Cohen, Univ of Pennsylvania, Philadelphia, PA; Raymond R Townsend, PENNSYLVANIA SCHOOL MED UNIV, Philadelphia, PA; Paul Drawz, PENNSYLVANIA SCHOOL MED UNIV, Philadelphia, PA, Minneapolis, MN; Mahboob Rahman, Case Western Reserve Univ, Solon, OH; Nishigandha Pradhan, Univ Hosp Cleveland Medical Ctr, Cleveland, OH; Debbie L Cohen, UNIV OF PENNSYLVANIA, Philadelphia, PA; Matthew R Weir, UNIVERSITY MARYLAND SCHOOL MED, Baltimore, MD; Hernan Rincon-choles, Cleveland Clinic Fndn, Cleveland, OH; Stephen P Jurashek, BIDMC-Harvard Medical Sch, Auburndale, MA

IMPACT OF ARTERIAL SITE AND PRESSURE WAVE ACQUISITION METHOD ON ARTERIAL FORM FACTOR AND MEAN AND CENTRAL ARTERIAL PRESSURE

Debduti Mukhopadhyay, Univ at Buffalo, Buffalo, NY; Sagar Nagpal, Univ at Buffalo, BUFFALO, NY; Peter Osmond, Joseph L Izzo Jr., UNIVERSITY AT BUFFALO, Buffalo, NY

Comparison Of Invasive And Non-invasive Blood Pressure Measurements Associated With Mortality In Intensive Care Unit: A Retrospective Study

Xiaoqing Pan, Dandan Liu, Shanghai Normal Univ, Shanghai, China; Weifeng Huang, Shanghai JiaoTong Univ affiliated the Sixth People's Hosp, Shanghai, China; Yifan Yang, Shanghai Normal Univ, Shanghai, China; Yingchuan Li, Shanghai JiaoTong Univ affiliated the Sixth People's Hosp, Shanghai, China; Vidya Kidambi, Mingyu Liang, MEDICAL COLLEGE OF WISCONSIN, Milwaukee, WI; Pengyuan Liu, Medical Coll of Wisconsin, Milwaukee, WI

Feasibility Of Implementing A Remote Blood Pressure Monitoring And Management Program

Aditi Gupta, Univ of Kansas Medical Ctr, Mission Hills, KS

VARIATION IN MEAN ARTERIAL PRESSURE (MAP) AND ITS HEMODYNAMIC COMPONENTS DURING 24-HOUR AMBULATORY PULSE WAVE ANALYSIS: IMPACT OF AGE, RACE, GENDER AND BODY SIZE

Sagar Nagpal, Debduti Mukhopadhyay, Univ AT BUFFALO, Buffalo, NY; Peter Osmond, Univ at Buffalo, Buffalo, NY; Joseph E Schwartz, Stony Brook Univ, EAST SETAUKEt, NY; Joseph L Izzo Jr., Univ at BUFFALO, Buffalo, NY

Comparison Between Routine Clinical And Research Blood Pressure Measurements
Angiotensin II Hypertension-dependent Decrease In Circadian Rhythms Of Cardiovascular Parameters: Role Of Peroxisome Proliferator Activated Receptor-α

Dexter L. Lee, Sheree M Johnson, Ian Stukes, Nia Williams, Ugoeze C Ananaba, Takisha Reece, Syed J Khundmiri, HOWARD UNIVERSITY, Washington, DC

Cardiovascular Risk And Subclinical Target Organ Damage In A Young Adult Population Provided By A Primary Healthcare Center In Brazil (Laparc Study)

Beatriz Deberaldini Marinho, Deisianny Santos, Univ Estacio de Sa, Rio De Janeiro, Brazil; Rodrigo Borges, Univ Estacio de Sa, Rio De Janeiro, Brazil; Tomás de Souza Mello, Natalia Ushijima, Univ Estacio de Sa, Rio De Janeiro, Brazil; Ana Cristina Fernandes, UNESA, Rio De Janeiro, Brazil; Inah Pecly, UNESA, Rio de Janeiro, Brazil, Niteroi, Brazil; Elizabeth Muxfeldt, Univ Estacio de Sa, Rio De Janeiro, Brazil

Feasibility Of An Asynchronous, Semi-Automated Remote Patient Monitoring Blood Pressure Management System

Ashish Sarraju, Meg Babakhanian, Stanford Univ Sch of Med, Stanford, CA; Irvin Szeto, Clark Seninger, Stanford Univ, Stanford, CA; Tara I Chang, Vivek Bhalla, STANFORD UNIVERSITY, Palo Alto, CA; Lance Downing, Stanford Univ Sch of Med, Stanford, CA; Fatima Rodriguez, STANFORD UNIVERSITY, Stanford, CA; Mintu Turakhia, STANFORD UNIVERSITY, Palo Alto, CA; Paul J Wang, Stanford Univ, Stanford, CA

Automated Messaging Program To Facilitate Systematic Home Blood Pressure Monitoring: A Qualitative Analysis Of Provider Interviews

Andrew R Murphy, Julian Einhorn, Shari Rogal, Danielle Burton, Univ of Pittsburgh Sch of Med, Pittsburgh, PA; Brian P Suffoletto, Stanford Univ Sch of Med, Stanford, CA; Bruce L Rollman, Daniel E Forman, Univ of Pittsburgh Sch of Med, Pittsburgh, PA; Taya Irizarry, Univeristy of Pittsburgh Sch of Nursing, Pittsburgh, PA; Matthew F Muldoon, Univ of Pittsburgh Sch of Med, Pittsburgh, PA

The Identification Of New Serum Uric Acid Levels Cut-off Point To Prevent Prehypertension And Hypertension Based On Jnc 7 And Acc/Aha 2017 Classification: A Cross-sectional Study

Mochammad Sja'bani, Mlati Study Group, Dept of Internal Med, Faculty of Med, Public Health, and Nursing, Unavs Gadjah Mada, Yogyakarta, Indonesia; Lucky Aziza Bawazier, Dept of Internal Med, Faculty of Med, Unavs Indonesia, Jakarta, Indonesia; Fredie Irijanto, Internal Med, Nephrology and Hypertension Devision, Dr Soeradji Tirtonegoro Hosp, Klaten, Central Java, Indonesia; Zulaela Zulaela, Faculty of Mathematics and Natural Sciences, Unavs Gadjah Mada, Yogyakarta, Indonesia; Agus Widiatmoko, Dept of Internal Med, Faculty of Med and Health Sciences, Unavs Muhammadiyah Yogyakarta, Yogyakarta, Indonesia; Abdul Kholiq, Faculty of Med and Health Sciences, Unavs Muhammadiyah Yogyakarta, Yogyakarta, Indonesia; Yasuhiko Tomino, Medical, Medical Corp Group Showakai, Shijuku-ku, Tokyo, Japan

Repeat Manual Office Blood Pressure By A Physician Is Lower Than Automated Office Blood Pressure

Bryce Rhodehouse, Courtney Shaver, Jerry Fan, Bright Izekor, Clinton Jones, Andres Belmont De Santiago, Stephen Donnelly, Michael McNeal, Baylor Scott and White - Temple, Temple, TX

Hypertension, Awareness, Treatment, And Control In Nepal: Results From May Measurement Month 2020 Blood Pressure Screening

Pawan Acharya, Univ of Oklahoma Health Sciences Ctr, Oklahoma city, OK; Sweta Koirala, Pabitra Babu Soti, Sneha Sharma, Abhishek Sapkota, Simrin Kafle, Nepal Development Society, Bharatpur-10,
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Willie M Abel, UNIV NORTH CAROLINA AT CHAR, Charlotte, NC

P127 Heals Med-Tech: A Hypertension Control Program For African American Communities Using Telehealth Technologies
Amanda Clark, Eastern Virginia Medical Sch-Sentara Healthcare Analytics and Delivery Science Inst, Norfolk, VA; Ismail EL Moudden, Eastern Virginia Medical Sch, Norfolk, VA; Sunita Dodani, Eastern Virginia Medical Sch-Sentara Healthcare Analytics and Delivery Science Inst, Norfolk, VA

P128 Direct Observed Therapy In Suspected Resistant Hypertension Is Safe
Swapnil Hiremath, Marcel Ruzicka, Ottawa Hosp, Ottawa, ON, Canada

P129 Telemedicine And Relationship Of Depression Score Improvement To Hypertension Improvement Via Video Visits
Prentiss Taylor, Advocate Christ Hosp Medical Ctr, Oak Lawn, IL

P130 The Use Of A Digital Telehealth Platform To Understand The Prevalence And Control Of Hypertension In The Indian Population - A Proof Of Concept Study
Aditi Sudhir Vaishnav, Sudhir N Vaishnav, N/A, Mumbai, India

P131 RISK FACTORS AND WAYS OF INFLUENCING MASKED UNCONTROLLED HYPERTENSION
Anna Shalimova, Therapy Natl Inst, Kharkiv, Ukraine

P132 Clinical Outcomes In Ischemic Stroke Patients With Uncontrolled Hypertension
Zahra Abuzaid Jr., Sara Almuslem, Farah Aleisa, KFSH-D, Dammam, Saudi Arabia

P134 Selected Social Determinants Of Health And Hypertension For Patients Of An Urban Community Primary Care Clinic
Melvin R Echols, Morehouse Sch of Med, Atlanta, GA; Paula Pollard-Thomas, Grady Memorial Hosp, Atlanta, GA; Henry Nuss, Louisiana State Univ, Baton Rouge, LA; Heartly Egwuogu, Grady Memorial Hosp, Atlanta, GA; Kristen Hobbs, Laura Lee Hall, Natl Minority Quality Forum, Washington, DC; Keith Ferdinand, Tulane Univ Sch of Med, New Orleans, LA

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Onoriode Kesiena, Kofi Seffah, Navin Kumar, Eunice Hama, Piedmont Athens regional, Athens, GA

P136 Reference Ranges And Cut-Off Values For Simultaneous Monitoring Of RAS-Blocker Efficacy And Screening For Secondary Hypertension Using RAAS Triple-A Profiling
Marko Poglitsch, Attoquant Diagnostics, Vienna, Austria; Luisa Foco, Martin Gögele, Peter P Pramstaller, Cristian Pattaro, Eurac Res - Inst for Biomedicine, Bolzano, Italy

Cardiac Hypertrophy and Dysfunction

P137 Nonspecific ST-T Change In Electrocardiogram Was Associated With A Reduced Constructive Myocardial Work In Hypertensive Patients With Preserved Ejection Fraction
Joji Ishikawa, Saori Nakamura, Ayumi Toba, Masashi Miyawaki, Ruri Shimizu, Aya Yamamoto, Rie Aoyama, Kazumasa Harada, Tokyo Metropolitan Geriatric Hosp, Tokyo, Japan
P138  **Long-term Effects Of Severe Caloric Restriction To The Heart Function**  
Aline M. A. De Souza, Jonathas Almeida, Natalia Shults, Hong Ji, Georgetown Univ, Washington, DC; Kathryn Sandberg, GEORGETOWN UNIVERSITY MEDICAL CTR, Washington, DC

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Shuangtao Ma, Michigan State Univ, East Lansing, MI; Donna Wang, East Lansing, MI

P140  **Mutant Mice Carrying Global Loss Of Npr1 Exhibit Cardiac Fibrosis, Hypertrophy, And Congestive Heart Failure: Implication Of TGF-Beta/SMAD Signaling Pathway**  
Chandramohan Ramasamy, Umadevi Subramanian, Kailash N Pandey, TULANE SOM PHYSIOLOGY, New Orleans, LA

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Adarsh Katamreddy, Jacobi MedicalCtr-AECOM, Bronx, NY; MARK TRAVIN, Montefiore, Pleasantville, NY; Mario J Garcia, MONTEFIORE MED CTR, Bronx, NY

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Naveed Aslam, BioSystOmics, Bellaire, TX

P146  **Sex Differences In The Association Between Systolic Blood Pressure And Carotid Distensibility In Adults**  
Mohammad Shah, Menzies Inst for Medical Res, The Univ of Tasmania, Hobart, Australia; Jing Tian, Menzies Inst for Medical Res, The Univ of Tasmania, Hobart, Australia; Marie-Jeanne BUSCOT, Menzies Inst for Medical Res, The Univ of Tasmania, Hobart, Australia; Hoang T Phan, Menzies Inst for Medical Res, The Univ of Tasmania, Hobart, Australia: Dept of Public Health Management, Pham Ngoc Thach Univ of Med, Ho Chi Minh City, Vietnam, Hobart, Australia; Thomas Marwick, Baker Heart and Diabetes Inst, PO Box 6492, Melbourne, Victoria 3004, Australia; Cardiology Dept, Western Health, Melbourne, Australia; Depts of Cardiometabolic Health and Med, Univ of Melbourne, Melbourne, Australia, Melbourne, Australia; Terence Dwyer, Menzies Inst for Medical Res, The Univ of Tasmania; The George Inst for Global Health, Nuffield Dept of Women's & Reproductive Health, Univ of Oxford, Oxford, UK; Murdoch Children's Res Inst, Australia Faculty, Hobart, Australia; Alison Venn, Menzies Inst for Medical Resea, Hobart, Australia; Seana L Gall, Menzies Inst for Medical Res, The Univ of Tasmania, Hobart, Australia; Sch of Clinical Sciences at Monash Health, Monash Univ, Clayton, Victoria, Australia, Hobart, Australia

P147  **Association Between Lipid Transfer To HDL-c And Arterial Stiffness In Patients With Ischemic Stroke Due To Hypertensive Emergency**  
Days Oliveira-Andrade, STATE MEDICAL SCHOOL S J RIO PRETO, Sao Jose Rio Preto, Brazil; Fatima Freitas, InCor - HCFMUSP, Sao Paulo, Brazil; Franciana Aguiar, Ana Luiza Mansor, STATE MEDICAL SCHOOL S J RIO PRETO, Sao Jose Rio Preto, Brazil; Luciana Cosenso-Martin, State Medical Sch at Sao Jose Rio Preto, S Jose Rio Preto, Brazil; Doroteia R Souza, STATE MEDICAL SCHOOL S J RIO...
Safety And Efficacy Of Edaravone Dexborneol Versus Edaravone Alone For The Treatment Of Acute Ischemic Stroke Patients With Hypertension: Analysis From Taste Trial

Jie Xu, Beijing Tiantan Hosp, Capital Medical Univ, Beijing, China; Yongjun Wang, Beijing Tiantan Hosp, Beijing

Rural Residence And Blood Pressure Medication Use In United States Stroke Survivors, 2019 Behavioral Risk Factor Surveillance System Survey

Phoebe Tran, Yale Univ, New Haven, CT; Lam Tran, Univ of Michigan, Ann Arbor, MI; Inna Polyakova, Emory Univ, Atlanta, GA

Sex Differences In Augmentation Index And Aortic Pulse Pressure Among Patients Diagnosed With Acute Primary Intracerebral Hemorrhage


Chronic Kidney Disease, Nitric Oxide Endothelin and Other Endothelial Factors

Cardiovascular Effects Of Peritoneal Dialysis In The 5/6 Nephrectomy Rat Model

Victoria Nasci, Medical Coll of Wisconsin, Milwaukee, WI; Alison J Kriegel, MEDICAL COLLEGE OF WISCONSIN, Milwaukee, WI

Low Memory Recall And High Common Carotid Artery Flow Pulsatility In Non-Dialysis Chronic Kidney Disease Patients

Ninette Shenouda, Nicholas Chouramanis, Matthew Cohen, Univ of Delaware, Newark, DE; Raymond R Townsend, Univ of Pennsylvania Sch of Med, Philadelphia, PA; David G Edwards, Univ of Delaware, Newark, DE

Heart Rate And Systolic Hypertension At Early Post-kidney Transplant Period

Ekamol Tantisattamo, Div of Nephrology, Hypertension and Kidney Transplantation, Dept of Med, Univ of California Irvine Sch of Med, Orange, CA; Pornthira Mutirangura, Faculty of Med Siriraj Hosp, Mahidol Univ, Bangkok, Thailand; Natchaya Polpichai, Faculty of Med Songklanagarin Hosp, Prince of Songkla Univ, Songkhla, Thailand; Sakditad Saowapa, Faculty of Med Ramathibodi Hosp, Mahidol Univ, Bangkok, Thailand; Natsuki Eguchi, Div of Kidney and Pancreas Transplantation, Dept of Surgery, Univ of California Irvine Sch of Med, Orange, CA

Clinical Trials in Hypertension and Related Morbidities

Win Ratio Methodology Demonstrates Consistency Of Benefit Across Different Blood Pressure Reduction Thresholds Following Renal Denervation In The Spyral Htn-on Med Pilot Study

David E Kandzari, PIEDMONT HEART INST, Atlanta, GA; Stuart Pocock, London Sch of Hygiene and Tropic, London; Michael A Weber, SUNY Downstate Coll of Med, New York, NY; Michael Boehm, HOSPITALITY CLINIC SAARLAND, Homburg; Martin Fahy, Medtronic, Santa Rosa, CA; Felix Mahfoud, SAARLAND UNIVERSITY HOSPITAL, Homburg, Germany

Diabetes, Lipids, Obesity, Nutrition, Insulin Resistance and Metabolic Syndrome

Etiology And Complications Associated With High-output Heart Failure; A National Readmission Database Study.
Mohammed M. Uddin, Tarec Micho Ulbeh, Tanveer Mir, Joseph Sebastian, Detroit Medical Ctr, Wayne State Univ, Detroit, MI; Qasim Jehangir, St. Joseph Mercy Oakland, Pontiac, MI; Priyadarshini Dixit, Saint Joseph Mercy Oakland Hosp, Pontiac, MI, Pontiac, MI; Waqas Qureshi, Univ of Massachusetts, Shrewsbury, MA; Ayman Soubani, Detroit Medical Ctr, Detroit Medical Ctr, Wayne State Univ, Detroit, MI; Luis Afonso, Detroit Medical Ctr, Wayne State Univ, Detroit, MI

P156 Negative Interaction Of Fatty Liver And Hypertension On Cardiovascular Mortality In Non-diabetic Men
Mohammed M. Uddin, Tarec Micho Ulbeh, Tanveer Mir, Joseph Sebastian, Detroit Medical Ctr, Wayne State Univ, Detroit, MI; Qasim Jehangir, St. Joseph Mercy Oakland, Pontiac, MI; Priyadarshini Dixit, Saint Joseph Mercy Oakland Hosp, Pontiac, MI, Pontiac, MI; Waqas Qureshi, Univ of Massachusetts, Shrewsbury, MA; Ayman Soubani, Detroit Medical Ctr, Detroit Medical Ctr, Wayne State Univ, Detroit, MI; Luis Afonso, Detroit Medical Ctr, Wayne State Univ, Detroit, MI

P157 Altered ERK-mediated Control Of AgRP And Metabolic Rate During Obesity
McKenzie L Ritter, Kirthikaa Balapattabi, Medical Coll of Wisconsin, Wauwatosa, WI; LISA MORELLI, Milauwkeee, WI; Curt D Sigmund, Justin L Grobe, Medical Coll of Wisconsin, Milwaukee, WI

P158 Endothelin Inhibits Adiponectin Production Via ETB Receptor Activation On Adipocytes
Osvaldo Jose Rivera-Gonzalez, Univ of MS Medical Ctr, Jackson, MS; Laura Coats, UMMC, Brandon, MS; Joshua S Speed, Univ of MS Medical Ctr, Jackson, MS

P159 Moderate To Severe Obstructive Sleep Apnea Is Independently Associated With Inter-arm Systolic Blood Pressure Difference: Tokyo Sleep Heart Study
Kazuki Shiina, Tokyo Medical Univ, Tokyo, Japan; Hirofumi Tomiyama, TOKYO MEDICAL UNIVERSITY, Tokyo; Hiroki Nakano, Tokyo Medical Univ, Tokyo; Fujii Masatsune, Tokyo Medical Univ, Tokyo, Japan; Taishiro Chikamori, TOKYO MEDICAL UNIVERSITY, Tokyo

P160 C1q/TNF-related Protein 1 Induces Obesity-related Hypertension In Mice Via Renal Na+ Retention In The Proximal Tubules
Fei Wang, UNIVERSITY OF UTAH, Salt Lake Cty, UT; Huaqing Zheng, Renfei Luo, Salt Lake City, UT; Tianxin Yang, UNIVERSITY UTAH, Salt Lake City, UT

P161 Blood Pressure And Vascular Stiffness With Increased Body Weight In Young People In The Aspect Of The Obesity Paradox
Maria Evseyeva, Michail Eremin, STAVROPOL STATE MEDICAL UNIVERSITY, Stavropol, Russian Federation; Maria Rostovtseva, Ilona Galkova, Victoria Kudrjavtseva, Irina Gachkova, Stavropol State Medical Univ, Stavropol, Russian Federation

P162 Comparison Of The Clinical Effect Of Empagliflozin On Glycemic And Non-glycemic Parameters In Japanese Patients With Type 2 Diabetes And Cardiovascular Disease Treated With Or Without Baseline Metformin
Atsushi Tanaka, Saga Univ, Saga, Japan; Koichi Node, SAGA UNIVERSITY, Saga, Japan

P163 Prevention Of Cardiac Fibrosis By Dietary Sodium Restriction During Metabolic Syndrome: Involvement Of Endothelial To Mesenchymal Transition
Mohammed MIMOUNI, Solene DARLET, Montpellier Univ, Montpellier, France; Bernard F JOVER, Univ Montpellier, Montpellier, France; Laura JEANSON, Montpellier Univ, Montpellier, France; Marie-Pierre BLANCHARD, BIOCAMPUS Montpellier UMS3426, Montpellier, France; Anne-Dominique LAJOIX, Caroline DESMETZ, Montpellier Univ, Montpellier, France

P164 Risk Factors Of Undiagnosed Diabetes And Hypertension In Arkansas
Eryn Matich, Univ of Arkansas for Medical Sciences, Little Rock, AR; Namvar Zohoori, ARKANSAS DEPARTMENT OF HEALTH, Little Rock, AR; L. Joseph Su, Univ of Arkansas for Medical Sciences, Little Rock, AR; Ping-Ching Hsu, Univ of Arkansas for Medical, Little Rock, AR

P165 Urinary Amino Acid Profile And Cardiovascular Parameters In Overweight And Obese Brazilian Children
Mariana D Passadore, Nayara A Cruz, Univ Federal de Sao Paulo, Sao Paulo, Brazil; Mariana Z Bocato, Univ de Sao Paulo, Sao Paulo, Brazil; Leonardo A Ferreira, Univ Federal de Sao Paulo, Sao Paulo, Brazil; Jose Geraldo Mill, Univ Federal do Espirito Santo, Sao Paulo, Brazil; Fernando Barbosa Jr, Univ de Sao Paulo, Sao Paulo, Brazil; Dulce E Casarini, UNIVERSIDADE FEDERAL DE SAO PAULO, Sao Paulo, Brazil; Lilian Caroline G Oliveira, Univ Federal de Sao Paulo, Sao Paulo, Brazil

P166 Kidney Changes In Patients With Morbid Obesity After Bariatric Surgery: Looking For The Mechanisms
Anna Oliveras, Susana Vazquez, Isabel Galceran, Alberto Goday, Maria Vera, Hosp del Mar, Barcelona, Spain; Maria José Soler, Hosp Vall d’Hebrón, Barcelona, Spain; David Benaiges, Marta Crespo, Julio Pascual, Hosp del Mar, Barcelona, Spain; Marta Riera, IMIM, Barcelona

P167 Chronic Circadian Disruption Impairs Cardiovascular Rhythms In Mice
Paramita Pati, Univ of Alabama Birmingham, Birmingham, AL; Megan K Rhoads, Univ of Alabama at Birmingham, Birmingham, AL; Rachel Meek, Univ of Alabama Birmingham, Birmingham, AL; Jackson Colson, David M Pollock, Jennifer Pollock, Univ of Alabama at Birmingham, Birmingham, AL

P168 Predictors Of Htn Remission Post-bariatric Surgery: A Contemporary Analysis

P169 Effects Of Saccharina Japonica Intake On Blood Pressure In Normotensive Rats Fed A High-salt Diet
Saki Maruyama, Kobe Women’s Univ, Kobe, Japan; Yukiko Segawa, Osaka Seikei Coll, Osaka, Japan; Ayaka Harui, Kobe Women’s Univ, Kobe, Japan; Hiroko Hashimoto, Osaka Seikei Coll, Osaka, Japan; Tomoko Osera, Toyo Univ, Itakura, Ora, Gunma, Japan; Nobutaka Kurihara, Kobe Women's Univ, Kobe, Japan

Gender Differences and Sex Hormones

P170 Similarities And Differences In The Vascular Impact Of Estrogen Loss Versus G Protein-coupled Estrogen Receptor Deletion
Isabella M Kilanowski-Doroh, Tristen J Wong, Benard O Ogola, Nicholas Harris, Alec Horton, Murad Laradji, Tulane Sch of Med, New Orleans, LA; Sarah H Lindsey, Tulane Univ, New Orleans, LA

P171 Comparison Of Modulation Of Renal Arterial Tone By Perivascular Adipose Tissue Between Two Animal Models Of Metabolic Syndrome
Satomi Kagota, Sch of Pharmacy and Pharmaceutical Sciences & Inst for Bioscience, Mukogawa Women’s Univ, Nishinomiya, Japan; Kana Maruyama-Fumoto, Kana Morikawa, Kazumasa Shinozuka, Sch of Pharmacy and Pharmaceutical Sciences, Mukogawa Women’s Univ, Nishinomiya, Japan

P172 Impairment Of Estrogen Protective Effect Contributes To Maternal Gestational Hypertension-induced Sensitization Of Hypertensive Response To Post-weaning High Fat Diet In Female Adult Offspring
Baojian Xue, UNIVERSITY OF IOWA, Iowa City, IA; Yang Yu, Terry Beltz, Univ of Iowa, Iowa City, IA; Fang Guo, University of Iowa, Iowa City, IA; Shun-Guang Wei, UNIVERSITY OF IOWA, Iowa City, IA; Jennifer S Pollock, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL; David M Pollock, Univ of Alabama at Birmingham, Birmingham, AL; Alan K Johnson, UNIVERSITY IOWA, Iowa City, IA

P173 The Impact Of Cigarette Smoking-oral Contraceptive Combination On Cardiac Remodeling In Premenopausal Female Mice
Emna Abidi, AMERICAN UNIVERSITY OF BEIRUT, Beirut, Lebanon; ABDULLAH KAPLAN, Istanbul, Turkey; Rana Ghali, American Univ of Beirut, Beirut; George W Booz, UNIVERSITY MISSISSIPPI MEDICAL CTR, Jackson, MS; Abdo Jurjus, American Univ of Beirut, Beriut; Ahmad
P174  **Sex Differences In The Pro-hypertensive Effect Of Carnitine, The Precursor Of Gut-derived Metabolite TMAO**  
Justine M Abais-Battad, John Henry Dasinger, David L Mattson, Medical Coll of Georgia at Augusta Univ, Augusta, GA

**Genetics, Epigenetics and Epidemiology**

P175  **Discovery And Validation Of Unique Associations Of DNA Methylation Regions With 24-hour Blood Pressure Phenotypes In African Americans**  
Michelle L. Roberts, Theodore A Kotchen II, Medical Coll of Wisconsin, Milwaukee, WI; Xiaqing Pan, Yingchuan Li, Medical Coll of Wisconsin, Milwaukee, WI; Chun Yang, Pengyuan Liu, Tao Wang, Purushottam Laud, Thomas Chelius, Yannick Munyura, David L. Mattson, Yong Liu, Allen W Cowley Jr., Srividya Kidambi, Mingyu Liang, Medical Coll of Wisconsin, Milwaukee, WI

P176  **Genes That Increase Human Lifespan By Protecting Against Risk Of Death From Cardiometabolic Diseases**  
Brian J Morris, UNIVERSITY SYDNEY, Sydney, Australia

P177  **Sex- And Strain- Specific Metabolic Effects Of Postnatal Bpf Exposure In Heterogeneous Stock Rat Founding Inbred Strains**  
Valerie A Wagner, Karen C Clark, Katie L Holl, John J Reho, Justin L Grobe, Anne E Kwitek, Medical Coll of Wisconsin, Milwaukee, WI

P178  **Social Determinants Of Health And Preventable Hospitalization For Hypertension**  
Priyadarshini Pattath, Virginia Tech, Henrico, VA; Rexford Anson-Dwamena, Virginia department of health, Richmond, VA

P179  **Explaining The Increase Of Hypertension Prevalence In Bangladesh From 2011 To 2018: Evidence From National Surveys**  
Juwel RANA, South Asian Inst for Social Transformation (SAIST), Dhaka, Bangladesh; Rakibul Islam, Monash Univ, Melbourne, Australia

P180  **Proximity To Telomeres Or A+t Content Suffices To Project Monogenic Hypertension At An 80 % Matching Rate**  
Ian McKnight, Regan Raines, Hunter White, Joon W Shim, Marshall Univ, Huntington, WV

P181  **Genetic And Epigenetic Effects On Saline Preference < And > Blood Pressure Variability**  
John S. Lee, Mary S. Lee, Jong Y Lee, U of MN SCH OF M, Minneapolis, MN; Silvia H. Azar, Renal Med, Minneapolis, MN; Franz Halberg, U of MN SCH OF M, Minneapolis, MN

P182  **Microangiopathic Complications In Malignant Hypertension: An Under-appreciated Form Of Target Organ Damage**  
Akhil Jain, Mercy Catholic Medical Ctr, Darby, PA; Bhumika Singhal, FMHS, SGT Medical Coll, Haryana, India; Rishabh Jindal, Rml hospital, New delhi, India; Chinmay Jani, Mount Auburn Hosp, Harvard Med, Somerville, MA; Puneet K Gupta, Northeast Ohio Medical Univ, Canton, OH

**Hypertension and Aging**

P183  **Effects Of L-arginine Supplementation On Cognitive Impairment In Hypertensive Frail Elderly Adults**  
Pasquale Mone, Univ of Campania Luigi Vanvitelli, Avellino, Italy; Jessica Gambardella, Univ of Naples Federico II, Naples, Italy; Antonella Pancini, Asl Avellino, Avellino, Italy; Mario Rizzo, Univ of Campania Luigi Vanvitelli, Naples, Italy; Salvatore Frullone, ASL, Avellino, Italy; Gaetano Santulli, ASL, Avellino, Italy, New York, NY
Aging Male Offspring Of Polycystic Ovary Syndrome Rat Model Have Normal Blood Pressure And Exaggerated Pressor Response To Angiotensin II
Noha M Shawky, Univ of Mississippi Medical Ctr, Jackson, MS; Jane F Reckelhoff, UNIVERSITY MISSISSIPPI MED CTR, Jackson, MS

Racial Disparities In The Influence Of Endocrine-Disrupting Chemicals On Hypertension-Related Mortality In The US Adult Population
Srikanta Banerjee, John Huth, Walden Univ, Leola, PA

Chemical And Mechanical Activation Of The Mechanosensor Piezo1 Alters Adipogenesis In Pvat Preadipocytes
Cristian Javier Rendon Mora, Emma Darios Flood, Miguel Leonardo Chirivi Gonzales, Janice Thompson, Michigan State Univ, East Lansing, MI; Stephanie W Watts, MICHIGAN STATE UNIVERSITY, East Lansing, MI; Genaro Andres Contreras, Michigan State Univ, East Lansing, MI

Incident And Risk Factors For Hypertension Among Urban Japanese: The Suita Study
Haytham A. Sheerah, Natl Cerebral and Cardiovascular Ctr, Suita Shi, Japan; Ahmed Arafa, Natl Cerebral and Cardiovascular Ctr, Suita shi, Japan; Masayuki Teramoto, NCVC, Japan, Osaka, Japan; Emi Watanabe, Jiaqi Li, Yukie Sakai, Kyoko Honda-Kohmo, Rena Kashima, Yoko Nakao, Makoto Watanabe, Masatoshi Koga, Tomoharu Dohi, Natl Cerebral and Cardiovascular Ctr, Suita Shi, Japan; Yoshihiro Kokubo, NATL CEREBRAL AND CARDIOVASC CTR, Suita Osaka, Japan

Blood Pressure Control And Glaucoma Risk In Older Women
Bernhard Haring, Univ Heart Ctr Graz, Graz, Austria; Kathleen Hovey, Michael La Monte, Chris Andrews, Univ at Buffalo – SUNY, Buffalo, NY; Nazmus Saquib, Sulaiman AlRajhi Univ, Al Bukayriyah, Saudi Arabia; Joann Manson, HARVARD MEDICAL SCHOOL, Boston, MA; Daichi Shimbo, Columbia Univ, New York City, NY; Robert Ritch, New York Eye and Ear Infirmary New York, New York City, NY; C. Gustavo De Moraes, Columbia Univ, New York City, NY; Sylvia Wassertheil-Smoller, Albert Einstein Coll of Med, New York City, NY

AT1R-Dependent Blood-Brain Barrier Disruption Precedes Neuroinflammation In Age-Dependent Hypertension
Kayla M. Nist, Boston University Sch of Med, Boston, MA; Jesse Moreira, Boston Univ Sch of Med, Boston, MA; Richard D Wainford, BOSTON UNIV SCHOOL MEDICINE, Boston, MA

Antihypertensive Treatment Improves Left Ventricular Geometry After 10 Years Even In Elderly Hypertensive Patients
Ayumi Toba, Joji Ishikawa, Kazumasa Harada, Tokyo Metropolitan Geriatric Hosp and Inst of Gerontology, Tokyo, Japan

Association Between Blood Pressure And Brain Volumes Vary By Sex And Age
Khawlah Alateeq, Erin Walsh, Ctr for Res on Ageing, Australian Natl Univ, Canberra, Australia; Walter Abhayaratna, Coll of Health and Med, Australian Natl Univ, Canberra, Australia; Nicolas Cherbuin, Ctr for Res on Ageing, Australian Natl Univ, Canberra, Australia

Orthostatic Tolerance Before And After 60 Days Of Strict Head Down Tilt Bedrest With And Without Daily Artificial Gravity Training
Jan Hoenemann, Univ of Cologne and German Aerospace Ctr, Inst of Aerospace Med, Cologne, Germany; Fabian Hoffmann, Univ of Cologne, Cologne, Germany; Stefan Moestl, Karten Heusser, German Aerospace Ctr (DLR), Inst of Aerospace Med, Cologne, Germany; Edwin Mulder, German Aerospace Ctr (DLR) Inst of Aerospace Med, Cologne, Germany; Teun van Herwaarden, Radboud Univir Medisch Centrum, Nijmegen, Netherlands; Stuart Lee, KBR, Inc., Cardiovascular and Vision Lab, NASA Human Health and Performance Directorate, Houston, TX; Jens Jordan, German Aerospace Ctr (DLR), Inst of Aerospace Med, Cologne, Germany; Jens Tank, Inst of Aerospace Med, Cologne, Germany
Neurogenic Mechanisms

P193 **Effect Of Nitroglycerin And Sympathetic Withdrawal On Splanchnic Capacitance And Cardiac Blood Volumes**  
*Luis E Okamoto*, William D Dupont, Vanderbilt Univ Medical Ctr, Nashville, TN; Sachin Y Paranjape, Vanderbilt Univ Medical Ctr, Nashville, TN; Jorge E Celedonio, VANDERBILT UNIVERSITY MEDICAL CENTER, Nashville, TN; Emily C Smith, Vanderbilt Univ Medical Ctr, Nashville, TN; Marvin W Kronenberg, VANDERBILT HEART INSTITUTE, Nashville, TN; Italo Biaggioni, VANDERBILT UNIVERSITY MEDICAL CENTER, Nashville, TN

P194 **Voluntary Exercise Eliminates Maternal Gestational Hypertension-induced Hypertensive Response Sensitization (htrs) In Post-weaning High Fat Diet Fed Male Adult Offspring**  
*Baojian Xue*, UNIVERSITY OF IOWA, Iowa City, IA; Yang Yu, terry beltz, Univ of Iowa, Iowa City, IA; Fang Guo, University of Iowa, Iowa City, IA; Shun-Guang Wei, UNIVERSITY OF IOWA, Iowa City, IA; David M Pollock, Univ of Alabama at Birmingham, Birmingham, AL; Jennifer S Pollock, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL; Alan K Johnson, UNIVERSITY IOWA, Iowa City, IA

P195 **No Functional Nerve Recovery To 6 Months Post Renal Denervation With Rf Energy In A Normotensive Pig Model**  
*Andrew Sharp*, Univ Hosp of Wales, Cardiff, United Kingdom; Stefan Tunev, Medtonic, Santa Rosa, CA; Markus P Schlaich, UNIVERSITY OF WESTERN AUSTRALI, Mount Claremont, Australia; David P Lee, STANFORD UNIVERSITY, Stanford, CA; Alok Finn, CVPath Inst, Inc., Gaithersburg, MD; Julie TRUDEL, Medtronic, Santa Rosa, CA; David E Kandzari, PIEDMONT HEART INST, Atlanta, GA

P196 **Exacerbation Of Postural Tachycardia Syndrome After An Oral Glucose Challenge: Role Of Incretins**  
Nicholas Breier, Vanderbilt Univ Medical Ctr, Nashville, TN; Andre Diedrich, VANDERBILT MEDICAL CENTER, Nashville, TN; Luis E Okamoto, Vanderbilt Univ Medical Ctr, Nashville, TN; Shahram E Mehr, Charles R Flynn, *Cyndya A Shibao*, VANDERBILT UNIV. MEDICAL CENTER, Nashville, TN

P197 **Increased Serotonin In Visceral Adipose Tissue May Contribute To Stimulate Sensory Neurons Mediating Obesity Hypertension In Mice Exposed To Early Life Stress**  
*Carolina Dalmasso*, Univ of Kentucky, Lexington, KY; Jacqueline Leachman, Sundus Ghuneim, Univ of Kentucky, Lexington, KY; Nermin Ahmed, university of kentucky, lexington, KY; Jorge F Giani, CEDARS-SINAI MEDICAL CENTER, West Hollywood, CA; Lisa A Cassis, UNIVERSITY KENTUCKY, Lexington, KY; Analia S Loria, UNIVERSITY OF KENTUCKY, Lexington, KY

P198 **Biphasic And Sex-dependent Roles Of The Prorenin Receptor In The Rostral Ventrolateral Nucleus In Mice Subjected To Deoxycorticosterone Acetate-salt Hypertension**  
*Pablo Nakagawa*, Daniel Brozoski, Natalia M Mathieu, Ko-Ting Lu, Javier Gomez, John J Reho, Jeffrey Segar, Justin L Grobe, Curt D Sigmund, Medical Coll of Wisconsin, Milwaukee, WI

P199 **Circadian Contributions To Blood Pressure Variation Under Constant Conditions**  
*Gabrielle F. Gloston*, Annie E. Ensor, Samarth Patel, Rebecca Williams, Courtney M. Peterson, Univ of Alabama at Birmingham, Birmingham, AL; Stephen J Thomas, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL

P200 **Orthostatic Hypotension Is An Independent Predictor Of Delayed Rehabilitation Recovery**  
*Luis E Okamoto*, Vanderbilt Univ Medical Ctr, Nashville, TN; Jin-Woo Park, Korea Univ Medical Ctr, Seoul, Korea, Republic of; Purnima Sharma, Vanderbilt Univ Medical Ctr, Nashville, TN; Andre Diedrich, VANDERBILT MEDICAL CENTER, Nashville, TN; Lauren Massey, Jeffery Johns, Vanderbilt Univ Medical Ctr, Nashville, TN; Italo Biaggioni, VANDERBILT UNIVERSITY MEDICAL CENTER, Nashville, TN
Non-Pharmacological Therapy (Alternative Medicine; Diet; Physical Activity)

Exercise Training Improves Cerebral Glucose Metabolism And Cognition In Obstructive Sleep Apnea: A Randomized Controlled Trial
Linda Massako Ueno-Pardi, Insto do Coracao (InCor), Hosp das Clinicas HCFMUSP, Faculdade de Medicina, Univ de Sao Paulo and Escola de Artes Ciencias e Humanidades, Univ de Sao Paulo, Sao Paulo, SP, BR, Sao Paulo, Brazil; Fabio L. Souza-Duran, Dept of Psychiatry, Hosp das Clinicas HCFMUSP, Faculdade de Medicina, Univ de Sao Paulo, Sao Paulo, SP, BR, Sao Paulo, Brazil; Larissa Mattheus, Amanda G. Rodrigues, Insto do Coracao (InCor), Hosp das Clinicas HCFMUSP, Faculdade de Medicina, Univ de Sao Paulo, Sao Paulo, SP, BR, Sao Paulo, Brazil; Camila G. Carneiro, Carla R. Ono, Carlos A. Buchpiguel, Dept of Radiology and Oncology, Hosp das Clinicas HCFMUSP, Faculdade de Medicina, Univ de Sao Paulo, Sao Paulo, SP, BR, Sao Paulo, Brazil; Carlos E. Negrão, Geraldo Lorenzi-Filho, Insto do Coracao (InCor), Hosp das Clinicas HCFMUSP, Faculdade de Medicina, Univ de Sao Paulo, Sao Paulo, SP, BR, Sao Paulo, Brazil; Geraldo Busatto-Filho, Dept of Psychiatry, Hosp das Clinicas HCFMUSP, Faculdade de Medicina, Univ de Sao Paulo, Sao Paulo, SP, BR, Sao Paulo, Brazil

Time-restricted Feeding Attenuates Hypertension In Mice
Bethany L. Goodlett, Braden M. Sims, Texas A&M Univ Coll of Med, College Station, TX; Shobana Navaneethalakrishnan, Texas A and M Univ, Bryan, TX; Brooke K. Wilcox, Emma J. Pickup, Marissa R. Henley, Miranda L. Albee, Texas A&M Univ Coll of Med, College Station, TX; Cristina M. Arenaz, Texas A&M Univ Coll of Med, Bryan, TX; Brett M Mitchell, TEXAS A M HEALTH SCIENCE CENTER, Bryan, TX

Sinusoidal Galvanic Stimulation Improves Orthostatic Symptoms In Patients With Postural Tachycardia.
Vasile Urechie, Vanderbilt Univ Medical Centr, Nashville, TN; Emily Smith, Vanderbilt Univ Medical Ctr, Nashville, TN; Dmitri Ogorodnikov, Fine Network of Nontrivial Design, New York city, NY; Italo Biaggioni, Andre Diedrich, VANDERBILT UNIVERSITY MEDICAL CENTER, Nashville, TN

Use Of A Noninvasive, Closed-loop, Allostatic, Neurotechnology Reduced Blood Pressure And Improved Sleep In Heterogeneous Cohort
Hossam A Shaltout, Catherine Tegeler, Lindsay Howard, Kenzie Brown, Faiza Asif-Fraz, Dawn Kellar, Charles H Tegeler IV, Wake Forest Sch of Med, Winston Salem, NC

Improvement Of Autonomic Function, Sleep, Depression, Anxiety, And Stress In Military Personnel With Traumatic Stress After Use Of A Closed Loop Neurotechnology

Sleep Hygiene As An Intervention To Improve Autonomic Function
Michael Vazquez, BIDMC and HMS, Boston, MA; Huan Yang, Beth Israel Deaconess Medical Ctr., Wilmington, MA; Rammy Dang, BIDMC and HMS, Boston, MA; Monika Haack, Beth Israel Deaconess Medical Cente, Boston, MA; Janet Mullington, BIDMC and HMS, Boston, MA

Raas And Markers Of Renal Function In Response To Sleep Hygiene Interventions
Huan Yang, Michael Vazquez, Annika Eske, Emily Peachthong, Janet Mullington, BIDMC and HMS, Boston, MA

Oxidative Stress, Inflammation, Immunity and Cytokines
Loss Of Rgs2 Specifically In CD4+ T Cells Decreases The Hypertensive Response To Vasopressin
Sabrina M Scroggins, UNIVERSITY OF IOWA, Iowa City, IA; Gabrielle Gray, Univ of Iowa, Iowa City, IA; Douglas G. Scroggins, Kamara S. Shaw, Donna A Santillan, UNIVERSITY OF IOWA, Iowa City, IA; Justin L Grobe, Medical Coll of Wisconsin, Milwaukee, WI; Mark K Santillan, UNIVERSITY IOWA CARVER COLL MED, Iowa City, IA

Central Blockade Of Tumor Necrosis Factor-á-Converting Enzyme (tace) Ameliorates Neuroinflammation, Sympathetic Excitation And Cardiac Dysfunction In Heart Failure Rat
Yang Yu, Univ of Iowa, Iowa City, IA; Baojian Xue, UNIVERSITY OF IOWA, Iowa City, IA; Hanzeng Li, Qing Chen, Mingxuan Li, terry beltz, Univ of Iowa, Iowa City, IA; Robert M Weiss, Alan K Johnson, UNIVERSITY IOWA, Iowa City, IA; Shunguang Wei, UNIVERSITY OF IOWA COLL OF MED, Iowa City, IA

Single High Na+ Ingestion Leads To An Increase In Oxidative Stress And Triggers Inflammation.
Ginette Bordcoch, Fundacion J. Robert Cade, Cordoba, Argentina; Ivan Tavera Busso, Insto Multidisciplinario de Biologia Vegetal, Consejo Nacional de Investigaciones Cientificas y Tecnicas y Facultad de Ciencias Exactas, Fisicas y Naturales, Univ Nacional de Cordoba, Cordoba, Argentina; Juan Masijoan Juncos, Univ of Alabama At Birmingham, Hoover, AL; Luis I Juncos, FUNDACION J ROBERT CADE, Cordoba 5003Ddz, Argentina

Peroxiredoxin-4 And Dopamine D5 Receptor Interact To Reduce Oxidative Stress And Inflammation In The Kidney
Hewang Lee, George Washington Univ, Washington, DC; Sufei Yang, The Third Military Medical Univ, Chongqing, China; Peiyiing Yu, Univ of Maryland Sch of Med, Baltimore, MD; Ines Armando, GEORGE WASHINGTON UNIVERSITY, Washington, DC; Chunyu Zeng, The Third Military Medical Univ, Chongqing; Robin A Felder IV, The Univ of Virginia, Charlottesville, VA; Laureano D Asico, GEORGE WASHINGTON UNIVERSITY, Washington, DC; Pedro A Jose, GEORGE WA UNIV SCH MED HEALTH SCI, Washington, DC

Furosemide-mediated Suppression Of p38 MAPK Signaling Abrogates Cholinergic-mediated Salt Sensitive Hypertension In Young Spontaneously Hypertensive Rats
Nandita Raikwar, Trever Maiers, Holly Hohmann, Alan Ryan, Peter Snyder, Sailesh Harwani, Univ of Iowa, Internal Med, Iowa City, IA

Isolevuglandins Mediate Inflammatory Gene Expression And Immune Activation In Hypertension And Systemic Lupus Erythematosus
Nestor de la Visitacion, Charles D Smart, Jaya Krishnan, David G Harrison, David M Patrick, Vanderbilt Univ Medical Ctr, Nashville, TN

Treatment With Il-17 Inhibitors Is Not Associated With A Change In Blood Pressure In Human Subjects: A Retrospective Cohort Study
Peihsuan Tsai, Univ of Rochester, Rochester, NY; Daniel Gilroy, Rochester Inst of Technology, Rochester, NY; Thu H Le, Erika R Drury, Univ of Rochester, Rochester, NY

Cholinergic-mediated Salt-Sensitive Hypertension In A Genetic Model Of Essential Hypertension
Nandita Raikwar, Holly Hohmann, Trever Maiers, Alan Ryan, Peter Snyder, Sailesh Harwani, Univ of Iowa, Internal Med, Iowa City, IA

Imbalance Of M1/M2 Macrophages In Ovaries Of Hypertensive Mice Is Associated With Reproductive Dysfunction And Lymphangiogenesis
Shobana Navaneethabalakrishnan, Brooke K Wilcox, Bethany L Goodlett, Brett M Mitchell, Texas A and M Univ, Coll of Med, Bryan, TX
P218 Ume (Prunus Mume) Attenuates Er Stress And Inflammation In Rat Vascular Smooth Muscle Cells
Ryohei Kuroda, Keisuke Okuno, Stephanie M Cicalese, Temple Univ, Philadelphia, PA; Yuriko Ueda, Yoshiharu Okuno, Natl Inst of Technology, Wakayama Coll, Gobo, Japan; Ryohei Kono, Hirotoshi Utsunomiya, Wakayama Medical Univ, Wakayama, Japan; Shinsuke Marumoto, Kindai Univ, Osaka, Japan; Satoru Eguchi, Temple Univ, Philadelphia, PA

P219 Losartan Prevents The Recruitment Of Renal M1-like Macrophages And Dendritic Cells In Medulla Of Angiotensin II Hypertensive Mice
Patricio A Araos, Andrés Guzmán, Stefanny M Figueroa, Javier Reyes, Cristián A Amador, Automomous Univ of Chile, Santiago, Chile

Patient-Provider-Healthcare System Issues

P220 Disparity In Hospital Admissions And Length Of Stay Based On Income Status For Emergency Department Hypertensive Crisis Visits: A Cross-sectional Study Using The Nationwide Emergency Department Sample
Shreya Srivastava, Bhargav Vemulapalli, Rutgers Robert Wood Johnson Medical Sch, New Brunswick, NJ; Alexis K Okoh, RWJ Barnabas Health NBIMC, Newark, NJ; John Kassotis, Rutgers Robert Wood Johnson Medical Sch, New Brunswick, NJ

P221 Effect Of Instructional Videos To Enhance Healthcare Provider Knowledge For Hypertension (htn) Management In Tanzania
Anbrasi Edward, Johns Hopkins Univ, Baltimore, MD; Gibson Kagaruki, NIMRI, Dar es Salaam, Tanzania, United Republic of; Frank Manase, CCP Med, Dar es Salaam, Tanzania, United Republic of; Kuni Matsushita, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Lawrence J Appel, JOHNS HOPKINS MEDICAL INSTITUTIONS, Baltimore, MD

Pediatric and Adolescent Hypertension

P222 Impact Of Adverse Childhood Experiences On Ambulatory Blood Pressure Profiles In Adolescence
Cailin E Kellum, Univ of Alabama at Birmingham, Birmingham, AL; Paige Perry, Univ of Alabama at Birmingham, Birmingham, AL; Keri Kemp, Univ of Alabama at Birmingham, Birmingham, AL; Alan K Johnson, The Univ of Iowa, Iowa City, IA; David M Pollock, Sylvie Mrug, Jennifer Pollock, Michael Seifert, Daniel Feig, Univ of Alabama at Birmingham, Birmingham, AL

P223 Vitamin D Supplementation Improves Measures Of Arterial Stiffness And Vascular Function In Adolescents Suffering From Orthostatic Intolerance
Hossam A Shaltout, Wake Forest Sch of Med, Winston Salem, NC

Pregnancy, Preeclampsia and Developmental Programming

P224 Obesity Is Associated With Hypoxia At The Maternal-fetal Interface In A Mouse Model Of Superimposed Preeclampsia, BPH/5
Daniella Adams, Kalie Beckers, Louisiana State Univ, Sch of Veterinary Med, Baton Rouge, LA; Viviane Gomes, Louisiana State Univ SVM, Baton Rouge, LA; Jennifer L Sones, Louisiana State Univ, Baton Rouge, LA

P225 Inhibiting B Cell Activating Factor Normalizes The Hypertension And Cytolytic Natural Killer Cells Associated With Placental Ischemia
Owen T Herrock, Darby Whitney, Univ of Mississippi Medical C, Jackson, MS; Lorena M Amaral, MEDICAL CENTER- UMMC, Jackson, MS; Nathan Campbell, Univ of Mississippi Medical C, Jackson, MS; Nicole Ingram, Ty Turner, Univ of Mississippi Medical C, Jackson, MS, Clinton, MS; Evangeline Deer, Univ of MS Medical Ctr, Brandon, MS; Kathy Cockrell, Univ of MS Medical Ctr, Brandon, MS,
P226 Transcriptome Signature Of Placentas From Diabetic Pregnancies Is Confounded By Fetal Sex. 
Sarah M. Kedziora, MDC Berlin, Berlin, Germany; Benedikt Obermayer, BIH Charité, Berlin, Germany; Meryam Sugulle, Faculty of Med, Div of Obstetrics and Gynaecology, Univ of Oslo, Oslo, Norway; Florian Herse, CHARITE, Berlin; Kristin Kräker, CHARITE, Berlin, Berlin, Germany; Nadine Haase, EXPERIMENTAL AND CLINICAL RES CTR, Berlin; Immaculate Langmia, Dominik N. Müller, MDC Berlin, Berlin, Germany; Anne Staff, Univ of Oslo, Oslo, Norway; Dieter Beule, BIH Charité, Berlin, Germany; Ralf Dechend, Charite and Helios Clinic Berlin, Berlin

P227 Gq Signaling In The Placental Syncytiotrophoblast Layer During Preeclampsia 
Megan Opichka, Medical Coll of Wisconsin, Wauwatosa, WI; Mary Christine Livergood, Medical Coll of Wisconsin, Brookfield, WI; Curt D Sigmund, Jennifer McIntosh, Justin L Grobe, Medical Coll of Wisconsin, Milwaukee, WI

P228 RhoBTB1 Is Expressed In Placental Syncytiotrophoblast Cells 
M. Christine Livergood, Megan Opichka, Javier Gomez, Justin L Grobe, Jennifer McIntosh, Curt D Sigmund, Medical Coll of Wisconsin, Milwaukee, WI

P230 Prevention Of Maternal Obesity Attenuates Adverse Offspring Cardiometabolic Outcomes In Preeclamptic-like Mouse Model 
Kalie Beckers, Juliet Flanagan, Louisiana State Univ, Baton Rouge, LA; Viviane Gomes, Louisiana State Univ SVM, Baton Rouge, LA; ChinChI Liu, Andrea Johnston, Louisiana State Univ SVM, Baton Rouge, LA, Baton Rouge, LA; Jennifer L Sones, Louisiana State Univ, Baton Rouge, LA

P231 Aspirin Reverses Placental Gene Expression Changes Associated With Preeclampsia 
Donna A Santillan, Eric J Devor, Brandon J Cooley, Sydney H Pearl, Mark K Santillan, UNIVERSITY OF IOWA, Iowa City, IA

P232 Pregnancy Induced Changes In Urinary Uromodulin Excretion In Normotensive And Chronic Hypertensive Rodent Models 
Sheon Mary, Philipp Boder, Delyth Graham, Christian Delles, Univ of Glasgow, Glasgow, United Kingdom

P233 Microvascular Fingerprint Of Multi-Organ Imaging - New Insights In Preeclampsia Research 
Kristin Kraeker, Experimental and Clinical Res Ctr – a joint cooperation between the Max-Delbrück-Ctr for Molecular Med and the Charite – Univesmedizin Berlin, Berlin, Germany; Hanna Napiecynska, Max-Delbrück-Ctr for Molecular Med, Berlin, Germany; Sarah Kedziora, Nadine Haase, Dominik N. Müller, Experimental and Clinical Res Ctr – a joint cooperation between the Max-Delbrück-Ctr for Molecular Med and the Charite – Univesmedizin Berlin, Berlin, Germany; Arnd Heuser, Max-Delbrück-Ctr for Molecular Med, Berlin, Germany; Ralf Dechend, Experimental and Clinical Res Ctr – a joint cooperation between the Max-Delbrück-Ctr for Molecular Med and the Charite – Univesmedizin Berlin and Helios Clinic, Berlin, Germany

P234 Hypertensive Disorders Of Pregnancy And Increased Levels Of Cardiac Troponin I After Delivery 
Takao Kato, KYOTO UNIVERSITY, Kyoto, Japan; Eri Muta, Kyoto, Japan; Moriaki Inoko, Kitano Hosp, Osaka, Japan

P235 Reduced Uterine Perfusion Pressure Impairs Seizure-induced Downregulation Of Neurotransmitter Transporters In Mice 
Maria Jones- Muhammad, Univ of Mississippi Medical C, Jackson, MS; Kennedi Stancil, BASE-Pair Program, Jackson, MS; Qingmei Shao, Univ of Mississippi Medical C, Jackson, MS; Junie P Warrington, UNIV MISSISSIPPI MEDICAL CENTER, Jackson, MS
Organofluorine Hydrazones Preventing Oxidant Stress In An In Vitro Model Of Preeclampsia
Zsuzsanna K. Zsengeller, BIDMC - Harvard Medical Sch, Boston, MA; Maxim Mastyugin, UMass, Boston, MA; Agnes Lo, Saira Salahuddin, BIDMC - Harvard Medical Sch, Boston, MA; Ananth Karumanchi, Cedars-Sinai Medical Ctr, W Hollywood, CA; Marianna Torok, Univ of Massachusetts Boston, Boston, MA; Bela Torok, UMass Boston, Boston, MA

P237 Alterations In Renal Sodium Handling Proteins Determined By Urinary Extracellular Vesicle Analysis During Dietary Sodium Modulation And In Primary Aldosteronism
James M Luther, VANDERBILT UNIV MED CTR, Nashville, TN; Dungeng Peng, Vanderbilt Univ Medical Ctr, Nashville, TN; Anand Vaidya, Brigham and Women's Hosp, Harva, Boston, MA; Hayes McDonald, VANDERBILT, Nashville, TN; Kevin Schey, Vanderbilt Univ, Nashville, TN; Gail K Adler, BRIGHAM WOMENS HOSPITAL, Boston, MA

P238 Regulation Of G Protein-coupled Receptor Kinase 4 Expression By Serum In Breast Cancer And Renal Proximal Tubule Cells
Wei Yue, Univ of Virginia, Charlottesville, VA; Peng Xu, UNIVERSITY OF VIRGINIA, Charlottesville, VA; John J Gildea, UNIVERSITY OF VIRGINIA, Charlottesville, VA; Robin A Felder IV, The Univ of Virginia, Charlottesville, VA

P239 Identification Of Binding Sites For Phosphodiesterase 5 (PDE5) On Rho-related BTB Domain Containing 1 (RhoBTB1) As A Guide To Identifying Novel RhoBTB1-Binding Partners
Gaurav Kumar, Ko-Ting Lu, Wu Jing, Medical Coll of Wisconsin, Milwaukee, WI; Shi Fang, Medical Coll of Wisconsin, Wauwatosa, WI; Curt D Sigmund, Medical Coll of Wisconsin, Milwaukee, WI

Regulation Of G Protein-coupled Receptor Kinase 4 Expression By Serum In Breast Cancer And Renal Proximal Tubule Cells
Wei Yue, Univ of Virginia, Charlottesville, VA; Peng Xu, UNIVERSITY OF VIRGINIA, Charlottesville, VA; John J Gildea, UNIVERSITY OF VIRGINIA, Charlottesville, VA; Robin A Felder IV, The Univ of Virginia, Charlottesville, VA

P240 Role Of Acetic Acid Produced By Gut Microbiota In The Mechanism Of Reducing Blood Pressure By Saccharina Japonica In Renovascular Hypertensive Rats
Ayaka Harui, Saki Maruyama, Kobe Women's Univ, Kobe, Japan; Yukiko Segawa, Osaka Seikei Coll, Osaka, Japan; Hiroko Hashimoto, Osaka Seikei Coll, Osaka, Japan; Tomoko Osera, Toyo Univ, Ora, Gumma, Japan; Nobutaka Kurihara, Kobe Women's Univ, Kobe, Japan

P241 Salt Directly Alters Molecular Trafficking Of Uromodulin In Renal Thick Ascending Limb Cells
Philipp Boder, Sheon Mary, William Mullen, Delyth Graham, Patrick B Mark, James Leiper, Christian Delles, Univ of Glasgow, Glasgow, United Kingdom

P242 The Role Of Kappa Opioid Receptors In The Development Of Hypertension And Kidney Injury In Sprague-Dawley Rats
Daria Golosova, Adrian Zietara, Ruslan Bohovyk, Vladislav Levchenko, Alexander Staruschenko, Medical Coll of Wisconsin, Milwaukee, WI

P243 Inverse Salt Sensitivity In Normotensive Adults: Role Of Demographic Factors
Nathan T Romberger, Joseph Stock, Jordan Patik, Ron McMillan, Shannon Lennon, David G Edwards, William B Farquhar, Univ of Delaware, Newark, DE

P244 Scleroderma Renal Crisis Among Systemic Sclerosis Patients: A Large Cohort Study From The United States National Emergency Department Database.
P245  Activation Of Protease-activated Receptors 1 Leads To Structural Changes In Immortalized Cultured Human Podocytes.  
Ruslan Bohovyk, Sherif Khedr, Christine A Klemens, Vladislav Levchenko, Olena Isaeva, Oleg Palygin, Alexander Staruschenko, Medical Coll of Wisconsin, Milwaukee, WI

P246  Relationship Between Urinary Sodium/potassium Ratio And Systolic Blood Pressure In Salt Sensitive Subjects In The Dash-sodium Trial  
Rozalia Abramov, Elizabeth D Drugge, Khalid A Farhan, Nicholas R Ferreri, New York Medical Coll, Valhalla, NY

P247  Elastin Insufficiency Impairs Renal Hemodynamics And Accelerates Aging-associated Structural And Functional Remodeling Of Preglomerular Arterioles  
Alethia Dixon, Patrick Osei-Owusu, Case Western Reserve Univ, Cleveland, OH

Renin-Angiotensin System

P248  A Significant Anemic Phenotype In Ren1c-/ Mouse Due To Impaired Erythropoiesis And Epo Production  
Chih-hong Wang, Jia L. Zhuo, Xiao Li, Tulane Univ, New Orleans, LA

P249  Angiotensin At1a Receptor Signaling In Agrp Neurons In Metabolism Control  
Kirthikaa Balapattabi, Medical Coll of Wisconsin, Wauwatosa, WI; Gary Mouradian Jr., Medical Coll of Wisconsin, Milwaukee, WI; Matthew Hodges, Medical Coll of Wisconsin, Wauwatosa, WI; Curt D Sigmund, Justin L Grobe, Medical Coll of Wisconsin, Milwaukee, WI

P250  A High-throughput Nitric Oxide Measurement Assay Reveals That Angiotensin-(1-5) Is An AT2 Receptor Agonist  
Igor M Souza Silva, Kenneth Kjærgaard, Christina Mortensen, UNIVERSITY OF SOUTHERN DENMARK, Odense C, Denmark; Robson A Santos, UFMG, Belo Horizonte, Brazil; Thiago Verano-Braga, Univ of Minas Gerais, Belo Horizonte, Brazil; Tore B Stage, Ulrike M Steckelings, UNIVERSITY OF SOUTHERN DENMARK, Odense C, Denmark

P251  Out-of-clinic Cortisol Secretion Is Increased In Masked Uncontrolled Hypertension  
Mohammed Siddiqui, Univ of Alabama at Birmingham, Birmingham, AL; Robert M Carey, UNIV OF VIRGINIA HEALTH SYSTEM, Charlottesville, VA; David A Calhoun, UNIV ALABAMA AT BIRMINGHAM, Birmingham, AL; Suzanne Oparil, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL

P252  Smooth Muscle At1a Receptor Mediates Perivascular Fibrosis In Angiotensin Ii-infused Mice  
Keisuke Okuno, Temple Univ, Philadelphia, PA; Satoru Eguchi, TEMPLE UNIVERSITY SCHOOL OF MEDICIN, Philadelphia, PA; Matthew A Sparks, DUKE UNIVERSITY MEDICAL CTR, Durham, NC

P253  Relationship Between Aldosterone And Parathyroid Hormone In Patients With Primary Hyperparathyroidism  
Branka Stanic, Georgetown Univ, Bethesda, MD; Branislava Ilincic, Radmila Zeravica, Medical Faculty Novi Sad, Novi Sad, Serbia; Dragana Milicic-Ivanovski, Ctr for Pathophysiology of Breathing and Respiratory Sleep Disorders, The Inst for Pulmonary Diseases of Vojvodina, Sremska Kamenica, Serbia; Velibor Cabarkapa, Romana Mijovic, Medical Faculty Novi Sad, Serbia, Serbia
P254  **Sex Differences In Angiotensin II-induced Hypertension In Mice With Proximal Tubule-specific Deletion Of Mitochondrial Protein Sirtuin 3 In The Kidney**  
**Ana Paula O. Leite**, Tulane Univ, New Orleans, LA; Xiao C Li, Tulane Univ Sch of Medicin, New Orleans, LA; Rumana Hassan, Tulane Univ, New Orleans, LA; Jian-xiong X Chen, UNIVERSITY MISSISSIPPI MEDICAL CTR, Jackson, MS; Akemi Sato, Courtney M. Dugas, Tulane Univ, New Orleans, LA; Ryosuke Sato, TULANE UNIVERSITY, New Orleans, LA; Jia L Zhuo, Tulane Univ Sch of Medicin, New Orleans, LA

**Resistant Hypertension**

P255  **Resistance Hypertension And Achievement Of Target Blood Pressure Level By Continuous Positive Airway Pressure Long Therapy In Patients With Obstructive Sleep Apnea**  
**Oksana Rekovets**, Inst of cardiology, Kyiv, Ukraine; Yuriy Sirenko, M.D.Strazhesko Inst. Cardiology, Kiev, Ukraine; Nina Krushynska, Olena Torbas, Svitlana Kushnir, Oleksandr Sirenko, Galina Primak, Inst of cardiology, Kyiv, Ukraine

P256  **Genetic Determinants Of Blood Pressure Associate With Apparent Treatment Resistant Hypertension**  
**Joseph H Breeyear**, Megan M Shuey, Vanderbilt Univ, Nashville, TN; Todd L Edwards, Jacklyn Hellwege, Vanderbilt Univ Medical Ctr, Nashville, TN

P257  **Refractory Hypertension Partially Improved With Anxiolytics**  
Bara Al-Qudah, **Ashraf E Ahmed**, HMC, Doha, Qatar; Mohammed Alamin, Cheikh Aboolmaaly, Mohamed Shariff, HMC, Doha, Qatar

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P258  **The Use Of Ace Inhibitors And Angiotensin Receptor Blockers Is Associated With Decreased Mortality And Increased Hospitalization Rate In Covid-19 Patients**  
**Aaron Douen**, Jeremy Oh, Wesley Romney, Coney Island Hosp, Brooklyn, NY; Ryan Panetti, St.George's Univ, Sch of Med, True Blue, Grenada; Prakash Ramdass, St.George's Univ, Sch of Med, True blue, Grenada; Aleksandre Toreli, George Juang, Coney Island Hosp, Brooklyn, NY

P259  **Cardiovascular Pharmacotherapy And Covid-19**  
**Stefanie Lip**, Univ of Glasgow, Glasgow, United Kingdom; Linsay McCallum, Univ of Glasgow, Glasgow; Clea du Toit, Univ of Glasgow, Glasgow, United Kingdom; Jason Kilmartin, Queen Elizabeth Univ Hosp, Glasgow, United Kingdom; Eleanor Murray, Salil Reetoo, Laura Knox, Univ of Glasgow, Glasgow, United Kingdom; Maggie Rostron, Queen Elizabeth Univ Hosp, Glasgow, United Kingdom; Tomasz J Guzik, Christian Delles, UNIVERSITY OF GLASGOW, Glasgow; Anna F Dominiczak, UNIVERSITY GLASGOW, Glasgow; Rhian M Touyz, UNIVERSITY OF GLASGOW, Glasgow; Sandosh Padmanabhan, GLASGOW UNIVERSITY, Glasgow

P260  **SARS-Cov-2 Spike Protein S1-Mediated Endothelial Injury And Pro-Inflammatory State Is Amplified By Dihydrotestosterone And Prevented By Mineralocorticoid Antagonism**  
**Nitin Kumar**, Kristina Hunker, Univ of Michigan, Ann Arbor, MI; Yogendra Kanthi, NHLBI,Natl Insts of Health, Bethesda, MD; Andrea T Obi, UNIVERSITY OF MICHIGAN, Ann Arbor, MI; Santhi Ganesh, UNIVERSITY OF MICHIGAN, Ann Arbor, MI, Ann Arbor, MI

P261  **Is Hypertension A Clinically Important Independent Risk Factor For Critical Illness In Covid-19?**  
**Anthi Katsouli**, Loyola Univ Medical Ctr, Maywood, IL; Sadia Gazi, Paula Marfia, Helen Lee, Sameer Qazi, Monica Komorowski, Loyola Univ Medical Ctr, Maywood, IL; Ann-Marie Bertino, Neeraj Joshi

P262  **Spike Protein 1 Of Sars-cov-2 Increases Interferon Stimulated Genes And Induces An Immune/inflammatory Responses In Human Endothelial Cells.**
**Symptomatic Post-Acute SARS-CoV-2-Infection Hypertension Syndrome**

Lauren East, Dept of Med, Washington Univ Sch of Med, St. Louis, MO; Zainab Mahmoud, Cardiovascular Div, Dept of Med, Washington Univ in St. Louis, St Louis, MO; Amanda Verma, Cardiovascular Div, Dept of Med, Washington Univ Sch of Med, St. Louis, MO

**Protective Effects Of Angiotensin II Inhibitors In Lebanese SARS-COV2 Hospitalized Patients**

Farah Abdulhai, Cleveland Clinic, Cleveland, OH; Souha Fares, American Univ of Beirut Medical Ctr, Beirut, Lebanon; Wissam Mekary, Nada J. Habeichi, Gaelle P. Massoud, American Univ of Beirut Medical Ctr, Beirut, Lebanon; Marwan M Refaat, AMERICAN UNIVERSITY OF BEIRUT, New York, NY; Fouad A Zouein, American Univ of Beirut Medical Ctr, Beirut, Lebanon

**Hypertension, Vascular Dysfunction And Downregulation Of The Renin Angiotensin System Sequelae Of COVID-19**

Linsay McCallum, Univ of Glasgow, Glasgow, United Kingdom; Stefanie Lip, Glasgow; Francisco J Rios, UNIVERSITY OF GLASGOW, Glasgow; Karla B Neves, Univ of Glasgow, Glasgow; Jason Kilmartin, Eleanor Murray, Univ of Glasgow, Glasgow; Salil Reetoo, Laura Knox, NHS Greater Glasgow and Clyde, Glasgow; Maggie Rostron, Angela Lucas-herald, Clea du Toit, Glasgow; Tomasz J Guzik, Christian Delles, UNIVERSITY OF GLASGOW, Glasgow; Augusto C Montezano, ICAMS - UNIV OF GLASGOW, Glasgow, Canada; Anna F Dominiczak, UNIVERSITY GLASGOW, Glasgow; Sandosh Padmanabhan, GLASGOW UNIVERSITY, Glasgow; Rhian M Touyz, UNIVERSITY OF GLASGOW, Glasgow

**Hypertensive Response In Recently Covid-19 Vaccinated Patients**

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**Arbidol, A Targeted Covid-19 Therapy, Inhibited Contractile Responses To Phenylephrine In Mesenteric Arteries And Aortas Of Hypertensive Rats**

Olufunke O Arishe, Stephanie Wilczynski, Anna Thamasett, Clinton R Webb, Univ of South Carolina, Columbia, SC

**The Impact Of Covid-19 On A Large Pragmatic Clinical Trial Embedded In Primary Care**

Cynthia Hau, Sarah Leatherman, Alison Klint, Boston Cooperative Studies Program Coordinating Ctr, Boston VA Healthcare System, Boston, MA; Peter Glassman, Pharmacy Benefits Management Services, Dept of Veteran Affairs, Washington DC; VA Greater Los Angeles Healthcare System; David Geffen Sch of Med at UCLA, Los Angeles, CA; Addison Taylor, Michael E. DeBakey VA Medical Ctr, Houston, TX; WILLIAM CUSHMAN, Univ of Tennessee Health Science Ctr, Memphis, TN; Areef Ishani, Minneapolis VA Healthcare System, Minneapolis, MN

**Influence Of Sex, Race, And Changes In Vital Signs In Covid-19 And Flu Diagnosed Patients In Mississippi**

Brigitte E Martin, Univ of Mississippi Medical Ctr, Madison, MS; Michael R Garrett, UNIVERSITY OF MISSISSIPPI MED CNTR, Jackson, MS

**Covid19 Hypertension In Primary Care**

Laura Moreno, Thunder Healthcare, Oklahoma City, OK

**Vascular Biology, Remodeling, Dysfunction, Stiffness**

**Delineating Sex-specific Mechanisms Of Impaired Vasoreactivity In Thermoneutrality**
Mechanisms By Which Aldosterone And Insulin Stimulate Endothelial Cell Sodium Currents.

Yan Yang, Liping Zhang, Alan Parrish, Guanghong Jia, Annayya Aroor, James R Sowers, Michael A Hill, Univ of Missouri, Columbia, MO

Role Of ER Stress In ET-1 Induced Vascular Hypercontractility During Hypertension

YU WANG, Univ of Glasgow, Glasgow, United Kingdom; Livia Camargo, Martin McBride, Univ of Glasgow, Glasgow; Augusto C Montezano, ICAMS - UNIV OF GLASGOW, Glasgow, Canada; Rhian M Touyz, UNIVERSITY OF GLASGOW, Glasgow

Inhibition Of Abnormal Exosome Release Prevents Excessive Aortic Stiffness And Relaxation Dysfunction In Diet-induced Obesity

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Deletion Of Endothelial Leptin Receptor Elevates Blood Pressure And Impairs Endothelial-dependent Relaxation Via Upregulation Of Endothelial Glycolytic Enzyme 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3 (PFKFB3)

Reem T. Atawia, Jessica L. Faulkner, Augusta university, Augusta, GA; Simone Kennard, Vinay Mehta, Galina Antonova, David Fulton, Augusta Univ, Augusta, GA; Vijay S. Patel, Muhammad I. Saeed, Eric J. Belin de Chantemèle, Augusta university, Augusta, GA

A High Sodium Diet Reduces Cutaneous Microvascular Function In Normotensive Individuals With Salt Sensitive Blood Pressure

Jordan C Patik, Joseph M Stock, Nathan T Romberger, Shannon L Lennon, William B Farquhar, David G Edwards, Univ of Delaware, Newark, DE

β-arrestin-2-mediated Vasodilatation In Mouse Mesenteric Arteries

Victor M Pulgar, Krisztian Toth, Campbell Univ, Buies Creek, NC

Coronary Microvascular Dysfunction Is Associated With Augmented Autophagy-lysosomal Signaling In Mice With Hypercholesterolemic Diet

Yun-Ting Wang, Wei Zhao, Ashton A Huckaby, Xiang Li, Yang Zhang, UNIVERSITY OF HOUSTON, Houston, TX

Glycocalyx Restoration Reduces Arterial Stiffness In Diabetic Female Mice

Camila Manrique Acevedo, Univ of Missouri, Columbia, MO; Francisco Ramirez-Perez, Francisco Ramirez, Columbia, MO; Rogerio N Soares, Thomas J Jurrissen, Thaysa Ghiarone, Mariana Morales-Quinones, Francisco J Cabral-Amador, Univ of Missouri, Columbia, MO; Hans Vink, Maastricht Univ Medical Cente, Maastricht, Netherlands; Christopher A Foote, Univ of Missouri, Columbia, MO; Luis Arturo Martinez-Lemus, Univ of Missouri-Columbia, Columbia, MO; Jaume Padilla, Univ of Missouri, Columbia, MO

CCL5 Causes Vascular Injury Via CCR5 And Nadph Oxidase 1- Derived Ros

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Vascular Remodeling And Impaired Vascular Smooth Muscle Cell Plasticity In Age And Sex-dependent Hypertension
P282  **Time Restricted Feeding In Mice On A Chronic High Fat Diet Leads To Reduced Aortic Damage And Oxidative Stress**

Claudia Edell, Univ of Alabama at Birmingham, Birmingham, AL; Paramita Pati, Univ of Alabama Birmingham, Birmingham, AL; Carmen De Miguel, Univ of Alabama at Birmingham, Birmingham, AL; Jackson Colson, UAB, Birmingham, AL; Gwendolyn Davis, UAB, Birmingham, AL, Nashville, TN; Meena Madhur, Vanderbilt Univ, Nashville, TN; Shannon Bailey, Karen Gamble, David M Pollock, Jennifer Pollock, Univ of Alabama at Birmingham, Birmingham, AL

P283  **CCL5 Acts As A Vasoconstrictor On Penetrating Arterioles In The Cerebral Circulation By Enhancing 20-HETE Activity**


P284  **The Association Of Oral Hypofunction And Increased Arterial Stiffness**

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P285  **Aging In Male Mice Is Characterized By Arterial Stiffening And Diastolic Dysfunction**

Benard O Ogola, Bruna Visniauskas, Isabella Kilanowski-doroh, Caleb M Abshire, Alec Horton, Zaidmara Diaz, Murad Laradji, Margaret Zimmerman, Sarah H Lindsey, Tulane Univ, New Orleans, LA

P286  **ARTERIAL STIFFNESS IN OLDER FRAGILE PATIENTS WITH ORTHOSTATIC HYPOTENSION**

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