



Hypertension

Poster Sessions

All Poster Sessions take place in the Back Bay Ballroom

Poster Session 1	
Trainee Advocacy Committee Competition and Reception	
Thursday, September 7, 5:30 – 7:00 PM	
<i>Reception/Light Snacks</i>	
Topic	Poster numbers
Aldosterone, Receptors and Signal Transduction	100-103
Antihypertensive Drugs and Pharmacology	104-108
Blood Pressure Monitoring	109-114
BP Control and Adherence to Treatment	115-117
Cardiac Hypertrophy and Dysfunction	118-123
Chronic Kidney Disease, Nitric Oxide Endothelin and Other Endothelial Factors	124-128
Clinical Trials in Hypertension and Related Morbidities	129-130
Cognition, Cerebrovascular Disease and Stroke	131
Diabetes, Lipids, Obesity, Nutrition, Insulin Resistance and Metabolic Syndrome	132-137
Gender Differences and Sex Hormones	139-141
Genetics, Epigenetics and Epidemiology	142-154
Hypertension and Aging	155-164 (and 144)
Microbiome, Infection and Hypertension	165-168
Neurogenic Mechanisms	169-170
Non-Pharmacological Therapy (Alternative Medicine; Diet; Physical Activity)	171-176
Oxidative Stress, Inflammation, Immunity and Cytokines	177-189
Patient-Provider-Healthcare System Issues	190-193
Pediatric and Adolescent Hypertension	194-199
Pregnancy, Preeclampsia and Developmental Programming	200-211
Renal Hemodynamics, Tubular Transport, Salt, Renovascular Hypertension	212-215
Renin-Angiotensin System	216-225
Resistant Hypertension	226-228

Vascular Biology, Remodeling, Dysfunction, Stiffness	229-238
Poster Session 2 Friday, September 8, 10:30 AM - 12:00 PM <i>Light Snacks served</i>	
Topic <i>(Note that topics are not necessarily in alpha order)</i>	Poster Numbers
Aldosterone, Receptors and Signal Transduction	300-306
Vascular Biology, Remodeling, Dysfunction, Stiffness	307-315
Antihypertensive Drugs and Pharmacology	317-322
Blood Pressure Monitoring	323-334
Non-Pharmacological Therapy (Alternative Medicine; Diet; Physical Activity)	335-342
BP Control and Adherence to Treatment	343-354
Patient-Provider-Healthcare System Issues	355-363
Cardiac Hypertrophy and Dysfunction	364-368
Chronic Kidney Disease, Nitric Oxide Endothelin and Other Endothelial Factors	369-376
Clinical Trials in Hypertension and Related Morbidities	377
Cognition, Cerebrovascular Disease and Stroke	378
Diabetes, Lipids, Obesity, Nutrition, Insulin Resistance and Metabolic Syndrome	379-382
Gender Differences and Sex Hormones	383-385
Genetics, Epigenetics and Epidemiology	386-395
Renal Hemodynamics, Tubular Transport, Salt, Renovascular Hypertension	396-400
Hypertension and Aging	401-406
Neurogenic Mechanisms	407-413
Oxidative Stress, Inflammation, Immunity and Cytokines	414-418
Pregnancy, Preeclampsia and Developmental Programming	419-427
Renin-Angiotensin System	428-433
Resistant Hypertension	434-436

Poster Session 1: Trainee Advocacy Committee Competition

P100 **Paradoxical Increase In Post-Captopril Aldosterone**

Carmen L Cajina Aguirre, Stanford Hypertension Ctr, Palo Alto, CA; Vivek Bhalla,
STANFORD UNIVERSITY, Palo Alto, CA

- P101 **Clinical Risk Prediction Scores For Primary Aldosteronism**
Zachary Settlemyer, Southern Illinois Univ Sch of Med, Springfield, IL; Michael Buhnerkempe, Vivek Prakash, Albert Botchway, SIU Sch of Med, Springfield, IL; Stephen Roy, Southern Illinois Univ Sch of Med, Springfield, IL; Kristin King, Oritsegbubemi Adekola, Southern Illinois Univ Sch of Med, Springfield, IL, Chatham, IL; Asad Cheema, Springfield, IL; Vanessa Williams, Michael Jakoby, Southern Illinois Univ Sch of Med, Springfield, IL; John M Flack, SIU SCHOOL MEDICINE, Springfield, IL
- P102 **Gender-based Stroke Risk In Patients With Afib And Heart Failure Treated With Mineralocorticoid Receptor Antagonists**
Shriya Sharma, Smit Paghdar, Smruti Desai, Jose Ruiz, Rohan Goswami, Mayo Clinic, Jacksonville, FL
- P103 **Higher Preoperative Plasma Aldosterone Concentrations Are Associated With Elevated Risk Of Atrial Fibrillation After Chronic Total Occlusion Percutaneous Coronary Intervention**
Jindong Wan, Dept of Cardiology, The First Affiliated Hosp, Chengdu Medical Coll, Chengdu, China; Sen Liu, Dept of Cardiology, The First Affiliated Hosp, Chengdu Medical Coll, Chengdu, China; Yi Yang, Dan Wang, Xinquan Wang, Peng Zhou, Peijian Wang, Dept of Cardiology, The First Affiliated Hosp, Chengdu Medical Coll, Chengdu, China
- P104 **EXAMINING THE EFFECTS OF FOLLISTATIN ON CONTRACTION OF VESSELS FROM NORMOTENSIVE AND HYPERTENSIVE RATS**
Niki Sadat Afjeh, McMaster Univ, Hamilton, ON, Canada; Ann Kuganathan, Mississauga, ON, Canada; Marcos Leal, Mississauga, ON, Canada, vila velha, Brazil; Vincent Lu, Jeffrey Dickhout, Mississauga, ON, Canada, vila velha, Brazil, Hamilton, ON, Canada; Joan Krepinsky, McMaster Univ, Hamilton, ON, Canada
- P105 **High-throughput Sequence Symmetry Analysis To Detect Angiotensin-converting Enzyme Inhibitors (acei) Induced Prescribing Cascades.**
Kayla Smith, Earl Morris IV, Asinamai Ndai, Shailina Keshwani, Priyanka Kulkarni, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Stephan Schmidt, Dept of Pharmaceutics, Ctr for Pharmacometrics and Systems Pharmacology, Univ of Florida, Orlando, FL; Carl Pepine, Dept of Cardiovascular Med, Dept of Med, Coll of Med, Ctr for Integrative Cardiovascular and Metabolic Disease, Univ of Florida, Gainesville, FL; Scott Vouri, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Steven M Smith, Dept of Pharmaceutical Outcomes & Policy, Coll of Pharmacy, Dept of Cardiovascular Med, Dept of Med, Coll of Med, Ctr for Integrative Cardiovascular & Metabolic Disease, Ctr for Drug Evaluation and Safety (CoDES), UF, Gainesville, FL
- P106 **High-throughput Sequence Symmetry Analysis To Detect Angiotensin-receptor Blockers (arb) Induced Prescribing Cascades.**
Kayla Smith, Earl Morris IV, Asinamai Ndai, Shailina Keshwani, Priyanka Kulkarni, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Stephan Schmidt, Ctr for Pharmacometrics and Systems Pharmacology, Coll of Pharmacy, Univ of Florida, Orlando, FL; Carl Pepine, Dept of Cardiovascular Med, Dept of Med, Coll of Med, Univ of Florida, Ctr for Integrative Cardiovascular and Metabolic Disease, Univ of Florida, Gainesville, FL; Scott Vouri, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Steven M Smith, Dept of Pharmaceutical Outcomes and

Policy, Coll of Pharmacy, Dept of Cardiovascular Med, Dept of Med, Coll of Med, Ctr for Integrative Cardiovascular & Metabolic Disease, Ctr for Drug Evaluation & Safety (CoDES) UF, Gainesville, FL

- P107 **High-throughput Screening Detects Thiazide-induced Prescribing Cascades.**
Kayla Smith, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Earl Morris IV, Asinamai Ndai, Shailina Keshwani, Priyanka Kulkarni, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Univ of Florida, Gainesville, FL; Stephan Schmidt, Ctr for Pharmacometrics and Systems Pharmacology, Coll of Pharmacy, Univ of Florida, Orlando, FL; Carl Pepine, Dept of Cardiovascular Med, Dept of Med, Coll of Med, Univ of Florida, Ctr for Integrative Cardiovascular and Metabolic Disease, Univ of Florida, Gainesville, FL; Scott Vouri, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Gainesville, FL; Steven M Smith, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Dept of Cardiovascular Med, Dept of Med, Coll of Med, Ctr for Integrative Cardiovascular and Metabolic Disease, Ctr for Drug Evaluation and Safety, Gainesville, FL
- P108 **A Novel Target For CVD Treatment: The Adipokine Chemerin Drives Hypertensive Blood Pressure And Potentially Aortic Stiffening In Female Dahl SS Rats**
Emma Ann Wabel, Dillon McClintock, Michigan State Univ, East Lansing, MI; Hannah Garver, East Lansing, MI; Adam E Mullick, Ionis Pharmaceuticals, Inc., Carlsbad, CA; Gregory D Fink, Stephanie W Watts, MICHIGAN STATE UNIVERSITY, East Lansing, MI
- P109 **Antigen Presenting Cell Activator Protein 1 Mediates Salt-sensitive Hypertension In Humans**
Taseer Ahmad, Vanderbilt Univ Medical Ctr, Nashville, TN; Mohammad Saleem, Vanderbilt university medical center, Nashville, TN; Ashley Pitzer Mutchler, Vanderbilt Univ Medical Center, Nashville, TN; Lale Ertuglu, Annet Kirabo, Vanderbilt Univ Medical Ctr, Nashville, TN
- P110 **Appropriateness Of Online Resources For Home Blood Pressure Measurement: Alignment With Guideline Recommendations, Readability, And End-user Involvement.**
Eleanor Clapham, Univ of Tasmania, Hobart, Australia; **Dean Picone**, Univ of Sydney, Sydney, Australia; Samuel Carmichael, James Sharman, Univ of Tasmania, Hobart, Australia; Niamh Chapman, Univ of Sydney, Sydney, Australia
- P111 **Comparison Of Automated Office Blood Pressure And Self-Measured Blood Pressure: Results From An Ongoing Self-Measured Blood Pressure Program**
Rosemary Farahmand, Jennifer L Cluett, BIDMC-Harvard Medical Sch, Boston, MA; Laken Barkowski, American Medical Association, Chicago, IL; Marc L Cohen, Jonathan X Li, BIDMC-Harvard Medical Sch, Boston, MA; Ruth Olowoyeye, Beth Israel Deaconess Medical Ctr, Boston, MA; Raj Padwal, Dept of Med, Univ of Alberta, Edmonton, AB, Canada; Michael K Rakotz, American Medical Association, Chicago, IL; Elisabeth Russo, Beth Israel Deaconess Medical Ctr, Boston, MA; Neha Sachdev, American Medical Association, Chicago, IL; Katherine M Tighe, Beth Israel Deaconess Medical Ctr, Boston, MA; Stavros Tsipas, American Medical Association, Chicago, IL; Hannah Walley, Beth Israel Deaconess Medical Ctr, Boston, MA; Peter S Wood, mmHg Inc., Edmonton, AB, Canada; Gregory Wozniak, American Medical Association, Chicago, IL; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA
- P112 **Association Between Plasma Aldosterone Concentration And Ambulatory Blood Pressure Profile In Patients With Primary Aldosteronism**
Ryutaro Morita, Kengo Azushima, Hiromichi Wakui, Kouichi Tamura, Yokohama City Univ, Yokohama, Japan

- P113 **Variations In 24 Hour Ambulatory Blood Pressure Coverage Across Canada And The United States**
Sachin Vidur Pasricha, Univ Health Network, Toronto, ON, Canada; Raj Padwal, Jennifer Ringrose, Univ of Alberta, Edmonton, AB, Canada; Lisa Dubrofsky, Women's Coll Hosp, Toronto, ON, Canada
- P114 **Patient Preferences And Experiences With Cuffless Wrist Versus Upper Arm Cuff Blood Pressure Measurements In The Continual Vs. Occasional Blood Pressure Monitoring (COOL-BP) Study**
Ozan Unlu, Simin Lee, Daniel Gabovitch, Brigham and Women's Hosp, Boston, MA; David Perruchoud, Tiago Almeida, Aktiia SA, Neuchâtel, Switzerland; Emma Collins, Christian Figueroa, Ryan Ruggiero, Nicholas Chin, Accelerator of Clinical Transformation, Mass General Brigham, Boston, MA; Christopher P Cannon, Benjamin Scirica, Naomi Deirdre Fisher, Brigham and Women's Hosp, Boston, MA
- P115 **Cost-related Medication Non-adherence Among Non-elderly Hypertensive Adults In The United States.**
Anu Aryal, Univ of California Los Angeles (UCLA), Los Angeles, CA; Petra Rasmussen, RAND Corporation, Santa Monica, CA; Corrina Moucheraud, Univ of California Los Angeles (UCLA), Los Angeles, CA
- P116 **Differences In Shared Decision Making Among Patients With Hypertension**
Sabrina Elias, Nancy Perrin, Jennifer Wenzel, Sarah Slone, Johns Hopkins Sch of Nursing, Baltimore, MD; Krystina B. Lewis, Univ of Ottawa Sch of Nursing, Ottawa, ON, Canada; Ruth-Alma Turkson-Ocran, BIDMC-Harvard Medical Sch, Boston, MA; Oluwabunmi Ogungbe, Yvonne Commodore-Mensah, Cheryl R Himmelfarb, Johns Hopkins Sch of Nursing, Baltimore, MD
- P117 **Improving Hypertension Control In A Veterans Affairs Resident Primary Care Clinic, A Mixed-Methods Study**
Jean Alyxa F Vendiola, Loyola Univ Medical Ctr, Maywood, IL; Meghan O'Halloran, Edward Hines, Jr. VA Hosp, Hines, IL; Ashley M Hughes, Univ of Illinois at Chicago, Chicago, IL
- P118 **The Promotion Of Cardiac Dysfunction By Resiquimod-accelerated Systemic Lupus**
Kennedy P Hawkins, Alex Colvert, Marice McCrorey, Medical Univ of South Carolina, Charleston, SC; Kristine Y Deleon-Pennell, Medical Univ South Carolina, Charleston, SC; Melissa A Cunningham, Justin P. Van Beusecum, Medical Univ of South Carolina, Charleston, SC
- P119 **Patients With Arterial Hypertension And Hypertrophic Cardiomyopathy Affected By Pulmonary Hypertension Have Worse Clinical Outcomes, Nation-wide Stud**
LEONID R KHOKHLOV, TriHealth, Cincinnati, OH; Kenan Rahima, Amin Eshghabadi, Cincinnati, OH; Sila Mateo-Faxas, Mohamad Hijazi, Fatima Hussain, Mehnaaz Ali, Angel Mena, TriHealth, Cincinnati, OH; Kamal Shemisa, CINCINNATI, OH
- P120 **Effect Of Alamandine On Isoproterenol-induced Left Ventricular Dysfunction, Cardiac Remodeling And Immune Responses In Rat**
Nafis Md Irfan, Yang Yu, Qing Chen, Univ of Iowa, Iowa City, IA; Shunguang Wei, Univ of Iowa Carver Coll of Med, Iowa City, IA

- P121 **Medical Treatment And Outcomes In Adults With Co-occurring Hypertrophic Cardiomyopathy And Hypertension: A Scoping Review**
Sophie Montgomery, NYU Grossman Sch of Med, New York, NY; Barnaby Nicolas, NYU Long Island Sch of Med, Mineola, NY; Mitchell Pleasure, NYU Grossman Sch of Med, New York, NY; Maria Reuter, Maxine Collins, NYU Langone Health, Clark, NJ; Daniele Massera, NYU Sch of Med, New York, NY; Daichi Shimbo, COLUMBIA UNIVERSITY, New York, NY; Mark Sherrid, NYU Langone Health, New York, NY; Milla E Arabadjian, NYU Long Island Sch of Med, Mineola, NY
- P122 **Role Of Cytoglobin In Angiotensin II-induced Cardiac Hypertrophy And Fibrosis**
Le Gia Cat Pham, Sarahann Mistretta, Frances Jourd'heuil, Clinton Mathai, Kurrin Gilliard, Albany Medical Coll, Albany, NY; Harold A Singer, ALBANY MEDICAL COLLEGE, Albany, NY; David Jourd'heuil, John J Schwarz, Albany Medical Coll, Albany, NY
- P123 **Patients With Arterial Hypertension And Hypertrophic Cardiomyopathy Affected By Non-alcoholic Fatty Liver Disease Have Worse Clinical Outcomes, Nation-wide Study**
Leonid R Khokhlov, **Kenan Rahima**, Amin Eshghabadi, Sila Mateo-Faxas, Mohamad Hijazi, Fatima Hussain, TriHealth, Cincinnati, OH; Mehnaaz Ali, Cincinnati, OH; Kamal Shemisa, Cincinnati, OH, CINCINNATI, OH
- P124 **Piezo1 Mediates Vasodilation Induced By Acute Hyperglycemia In Mouse Renal Arteries And Microvessels**
lingyan fei, Dept of Nephrology, Ctr of Kidney and Urology, the Seventh Affiliated Hosp, Sun Yat-sen Univ, shenzhen, China; Minze Xu, Inst of Translational Physiology, Charité – Univsmedizin Berlin, Corporate Member of Freie Univ Berlin and Humboldt-Univ zu Berlin, Charitéplatz 1, 10117, Berlin, Germany; Honghong Wang, Dept of Physiology, Sch of Basic Medical Sciences, Zhejiang Univ Sch of Med, Hangzhou, China; shan jiang, Dept of Nephrology, Ctr of Kidney and Urology, the Seventh Affiliated Hosp, Sun Yat-sen Univ, shenzhen, China; Andreas Patzak, Pratik khedkar, Inst of Translational Physiology, Charité – Univsmedizin Berlin, Corporate Member of Freie Univ Berlin and Humboldt-Univ zu Berlin, Charitéplatz 1, 10117, Berlin, Germany; Zhihua Zheng, Dept of Nephrology, Ctr of Kidney and Urology, the Seventh Affiliated Hosp, Sun Yat-sen Univ, shenzhen, China
- P125 **Tissue Specific Regulation Of The Cardiac And Renal Endothelin System In A Lupus-prone Mouse Model**
Marice K. McCrorey, Kennedy P. Hawkins, C. Alex Colvert, Yasir Abdul, Advije Ergul, Melissa A. Cunningham, Medical Univ of South Carolina, Charleston, SC; Kristine Y Deleon-Pennell, Medical Univ South Carolina, Charleston, SC; Justin P. Van Beusecum, Medical Univ of South Carolina, Charleston, SC
- P126 **The Single-cell And Spatial Transcriptional Landscape Of Advanced Diabetic And Hypertensive Kidney Disease In Humans**
Qiongzhi Qiu, Medical Coll of Wisconsin, Milwaukee, WI; Dongwei Liu, Yong Liu, XiaoFeng Wu, The First Affiliated Hosp of Zhengzhou Univ, Zhengzhou, China; Yong Liu, Medical Coll of Wisconsin, Milwaukee, WI; Zhangsuo Liu, The First Affiliated Hosp of Zhengzhou Univ, Zhengzhou, China; Mingyu Liang, Medical Coll of Wisconsin, Milwaukee, WI; Feng Wang, The First Affiliated Hosp of Zhengzhou Univ, Zhengzhou, China
- P127 **Protective Effects Of Protocatechuic Acid In Murine Model Of UUO-induced Renal Injury**

Karim M. Saad, Augusta UNIVERSITY, Augusta, GA; Evila Da Silva Lopes Salle, Augusta Univ, Augusta, GA; Sahar Emami Naeini, Augusta Univ, Evans, GA; Babak Baban, Augusta Univ, Evans, GA, Augusta, GA; Ahmed A Elmarakby, Augusta UNIVERSITY, Augusta, GA

P128 Detection Of Congenital Intrahepatic Vascular Shunt In C57BL/6 Mice

Beng San Yeoh, Rachel Golonka, Piu Saha, Mrunmayee Kandalgaonkar, Matam Vijay-Kumar, Bina Joe, Univ of Toledo Coll of Med and Life Sciences, Toledo, OH

P129 Cardiovascular Safety Of Severe And Sustained Hypoxia Exposure In Physically Fit Patients Following Myocardial Infarction

Jan Niklas Hoenemann, Univ of Cologne, Cologne, Germany; Darius Gerlach, GERMAN AEROSPACE CENTER, Cologne; Fabian Hoffmann, GERMAN AEROSPACE CENTER, Cologne, Cologne; Henning Weis, GERMAN AEROSPACE CENTER, Cologne, Cologne, Cologne; Vlad G Zaha, UT Southwestern Medical Ctr, Dallas, TX; Hesham A Sadek, UTSOUTHWESTERN MEDICAL CENTER, Dallas, TX; Hannes Reuter, Univ of Cologne, Cologne; Stephan Baldus, Univ Hosp Cologne, Cologne; Frank Splettstoesser, Stilla Frede, Univ of Bonn, Bonn, Germany; Benjamin D Levine, UT SOUTHWESTERN MEDICAL CENTER, Dallas, TX; Jens Jordan, Ulrich Limper, German Aerospace Ctr, Cologne; Jens Tank, Inst of Aerospace Med, Cologne

P130 Acute Angiotensin-(1-7) Infusion Does Not Improve Blood Pressure Or Leg Blood Flow In Participants With Peripheral Arterial Disease

Amanda Joy Miller, Penn State Coll of Med, Hershey, PA; Jonathan Carter Luck, Cheryl Blaha, Pennsylvania State Univ Coll of Med, Hershey, PA; Aimee Cauffman, Faisal Aziz, Penn State Health Milton S. Hershey, Hershey, PA; Josh Radtka, Pennsylvania State Univ Coll of Med, Hershey, PA; David Proctor, Penn State Univ, University Park, PA; Urs Leuenberger, Amy Arnold, Penn State Coll of Med, Hershey, PA

P131 Global Burden Of Stroke Attributable To High Systolic Blood Pressure In 38 Oecd Countries: A Systematic Analysis For The Global Burden Of Disease Study 201

Vishrant Amin, GMERS Medical Coll, Valsad, India; Mohit Lakkimsetti, Mamata Medical Coll, Khammam, India; Venkata Sai Harshabhargav Chenna, Univ of perpetual help system dalta., Las Pinas, Philippines; Mahesh Gangannapalle, UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA, ALABANG, Philippines; Charmy Patel, Devang Undaviya, GMERS Medical Coll, Valsad, India; Arushi Dhawan, Punjab Inst of Medical Sciences, Jalandhar, India; Rohan Gajjar, Cook County Hosp, Chicago, IL; HARDIK DINESHBHAI DESAI, Gujarat Adani Inst of Medical Sciences, Bhuj, India

P132 Life'S Essential 8 And Racial/ethnic Differences In Cardiometabolic Profile Of Ever Pregnant Adults In The United States: The National Health And Nutrition Examination Survey 2011-2020

Khadijat ADELEYE, Univ of Massachusetts Amherst, AMHERST, MA; Ruth-Alma Turkson-Ocran, BIDMC-Harvard Medical Sch, Boston, MA; Ellen Boakye, John Hopkins, Baltimore, MD; Yaa A Kwapong, Johns Hopkins Sch of Med, Baltimore, MD; Tosin Tomiwa, Johns Hopkins Med, Baltimore, MD; Oluwabunmi V Ogungebe, Johns Hopkins Univ, Baltimore, MD

P133 NaCl And Insulin Regulate Urate Transporter 1 Via Phosphorylation

Wataru Fujii, Osamu Yamazaki, Shigeru Shibata, Div of Nephrology, Dept of Internal Med, Sch of Med, Teikyo Univ, Tokyo, Japan

- P134 **Does Co-morbid Obesity Change Hospitalization Outcomes In Patients With Hypertensive Crisis?**
Sadichhya Karki, Taha Teaima, Rohan Gajjar, Aneeza Jamshed, John H. Stroger Jr Hosp of Cook County, Chicago, IL
- P135 **Effect Of A High Fat Western Diet On The Progression Of Diabetic Kidney Disease In Type 2 Diabetic Nephropathy (T2DN) Rats**
Melissa Lowe, Ruslan Bohovyk, Christine A Klemens, Alexander Staruschenko, Univ of South Florida, Tampa, FL
- P136 **Association Of Undernutrition Severity With Development Of Incident Hypertension In Youth.**
Kayla McMillan, Wake Forest Sch of Med, Winston-Salem, NC; Andrew South, Wake Forest Sch of Med, Winston Salem, NC
- P137 **Lack Of Atrial Natriuretic Peptide Aggravates Glomerular Disease In Type 1 Diabetic Nephropathy** **Denisha R Spires**, Alena Cherezova, Daria Ilatovskaya, Augusta Univ, Augusta, GA
- P139 **Gender Affirming Hormone Therapy In The Hypertensive Male Rat Has Associated Effects On Cardiovascular Health**
Breland Crudup, Jordan Mallette, Alex Willis, Kathy Cockrell, Licy Yanes Cardozo, Barbara T Alexander, Univ of Mississippi Medical Ctr, Jackson, MS
- P140 **Impact Of Ovariectomy On Aldosterone And Blood Pressure In Lysine-Specific Demethylase 1 (LSD1) Deficient Mice**
Ana Maria Stanton, Hayat Aljaibeji, Brigham and Womens Hosp, Harvard Medical Sch, Boston, MA; Shadi K Gholami, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; Wasita Parksook, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA; Miao Ding, Dulce H Gomez, Jose R Romero, Luminita H Pojoga, Gordon H Williams, Gail K Adler, Brigham and Women's Hosp, Harvard Medical Sch, Boston, MA
- P141 **Association Of Female Sex With Outcomes Of Hypertensive Emergencies**
Minji Seok, Amer Muhyieddeen, Cedars-Sinai Medical Ctr, Los Angeles, CA; Martha Gulati, Cedars-Sinai, Los Angeles, CA
- P142 **Association Of COVID-19 With Hypertensive Crises Outcomes**
Minji Seok, Amer Muhyieddeen, Martha Gulati, Cedars-Sinai Medical Ctr, Los Angeles, CA
- P143 **Racial Disparities In Acute Renal Failure Incidence Amidst Hypertensive Emergencies**
Minji Seok, Amer Muhyieddeen, Martha Gulati, Cedars-Sinai Medical Ctr, Los Angeles, CA
- P144 **Association Of Hypertension With Reasons For Admission In Young Hospitalized Patients**
Minji Seok, Amer Muhyieddeen, Martha Gulati, Cedars-Sinai Medical Ctr, Los Angeles, CA
- P145 **Sodium Potassium Ratio And Blood Pressure Levels In Adults**
Gabriela Callo Quinte, JOSE GERALDO MILL, Federal Univ of Espirito Santo, Vitoria, Brazil
- P146 **Environmental Exposures And The Development Of Hypertension In A Prospective US Based Cohort Of Women**

Jie Chen, Harvard TH Chan Sch of Public Health, Boston, MA; Jaime Elizabeth Hart, Brigham and Women's Hosp, Boston, MA; Francine Laden, Harvard TH Chan Sch of Public Health, Boston, MA

P147 Cumulative Diastolic Blood Pressure Burden In Normal Systolic Blood Pressure And Cardiovascular Disease

So Mi Jemma Cho, The Broad Inst, Inc, Cambridge, MA; Hokyoo Lee, Yonsei Univ Coll of Med, Seoul; Satoshi Koyama, Broad Inst, Cambridge, MA; Art Schuermans, Broad Inst of MIT and Harvard, Cambridge, MA; Shriienidhie Ganesh, Massachusetts General Hosp, Boston, MA; Whitney Hornsby, The Broad Inst, Inc, Cambridge, MA; Michael C Honigberg, Massachusetts General Hosp, Boston, MA; Pradeep Natarajan, Massachusetts General Hosp, Brookline, MA

P148 Association Of Hypertension With Cardiovascular Disease In The United States

Ben Grobman, Harvard Medical Sch, Boston, MA; Ruth-Alma Turkson-Ocran, BIDMC-Harvard Medical Sch, Boston, MA; Fredrick Larbi Kwabong, Beth Israel Deaconess Medical Ctr, Boston, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

P149 Prevalence, Trend And Clinical Outcomes Of Hypertensive Urgency And Emergency Before And During The Covid-19 Pandemic: A Comparative Nationwide Analysis (2019 Vs. 2020)

Anas Hashem, Amani Khalouf, Mohamed Salah Mohamed, Rochester General Hosp, Rochester, NY; Mahmoud Ismayl, Crieghton Univ Medical Ctr, Omaha, NE; Devesh Rai, Muhammad Osama, Scott Feitell, Rochester General Hosp, Rochester, NY; Sudarshan Balla, Univ of West Virginia, Morgantown, WV

P150 Dynamic Alu CpG Methylation Change In Elevated Diastolic Blood Pressure

Suvina Jiraboonsri, Jiraroach Meevassana, Chulalongkorn Univ, Bangkok, Thailand

P151 Examining The Inclusion And Analysis Of Race-Sex Groups In Primary Hypertension Studies Conducted In The US: A Comprehensive Review

Javier Alejandro Jurado Velez, UAB Heersink Sch of Med, Birmingham, AL; Ileana Barron, Nita Kanney, Nekayla Anderson, Bertha Hidalgo, UAB Ryals Sch of Public Health, Birmingham, AL

P152 Chromatin Accessibility Landscape Of The Proximal Tubule And Thick Ascending Limb In Humans And Rats

Atrayee Ray, Versiti, Blood Res Inst, Milwaukee, WI; Cary Stelloh, Versiti, Milwaukee, WI; Chun Yang, MEDICAL COLLEGE of WISCONSIN, Milwaukee, WI; Yong Liu, Aron M Geurts, Medical Coll of Wisconsin, Milwaukee, WI; Allen W Cowley Jr., MEDICAL COLLEGE WISCONSIN, Milwaukee, WI; Anne E Kwitek, Pengyuan Liu, Medical Coll of Wisconsin, Milwaukee, WI; Mingyu Liang, Andrew Greene, New Berlin, WI; sridhar rao, Versiti, Brookfield, WI

P153 Protein Kinase A Inhibition Epigenetically Silences Ren1

Jason Paul Smith, Univ of Virginia, Charlottesville, VA; Robert Paxton, CeMM, Vienna, Austria; Maria Luisa S Sequeira Lopez, UNIVERSITY VIRGINIA, Charlottesville, VA; Roberto A Gomez, UNIVERSITY OF VIRGINIA, Charlottesville, VA

P154 Differences In Sleep Duration Between Black Ethnic Subgroups And Non-hispanic White Adults With Hypertension In The 2004 - 2018 National Health Interview Survey

Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Oluwabunmi V Ogungbe, Faith Metlock, Johns Hopkins Univ, Baltimore, MD; Diana Baptiste, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Emily Aidoo, BIDMC, Boston, MA; Fredrick Larbi Kwapong, Beth Israel Deaconess Medical Ctr, Boston, MA; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSIN, Baltimore, MD; Ken J Mukamal, BETH ISRAEL DEACONESS MEDICAL CTR, Brookline, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

P155 Low Vegetable Consumption Doubles The Risk Of Stroke Among Hypertensives In West Africa

Osahon Jeffery Asowata, Ifeoluwa Bodunde, David Kadan Danladi, Onoja Matthew Akpa, Univ of Ibadan, Nigeria, Ibadan, Nigeria; Adekunle Fakunle, Univ of Ibadan, Ibadan, Nigeria; FRED S SARFO, KNUST, KUMASI, Ghana; Albert Akpalu, Korle Bu Teaching Hosp, Accra, Ghana; Reginald Obiako, Ahmadu Bello Univ, Zaria, Nigeria; Kolawole W Wahab, Univ of Ilorin Teaching Hosp, Ilorin, Nigeria; Godwin Osaigbovo, Jos Univ Teaching Hosp, Jos, Nigeria; Godwin Ogbole, Joshua Akinyemi, Univ of Ibadan, Nigeria, Ibadan, Nigeria; Lukman Owolabi, Aminu Kano Teaching Hosp, Kano, Nigeria; Morenikeji Komolafe, Obafemi Awolowo Univ, Ile-Ife, Nigeria; Rufus Olusola Akinyemi, INSTITUTE FOR ADVANCED MEDICAL RESE, Ibadan, Nigeria; Bruce Ovbiagele, Univ of California, San Francisco, CA; Akinkunmi Paul Okekunle, Univ of Ibadan, Nigeria, Ibadan, Nigeria; Mayowa Owolabi, Univ Of Ibadan, Ibadan, Nigeria

P156 IMPACT OF CHRONIC KIDNEY DISEASE ON HYPERTENSIVE EMERGENCY OUTCOMES

Amer Muhyieddeen, Cedars-Sinai Medical Ctr - Los Angeles, CA UNITED STATES - Los Angeles, CA, LOS ANGELES, CA; KHALED ABDULLAH, KHALED SALEH, UCSF FRESNO, Fresno, CA; Sachini Ranasinghe, Cedars-Sinai Medical Ctr, Los Angeles, CA; Joseph Chang, Cedars Sinai Medical Ctr, El Paso, TX; Soroush Nomigolzar, East Carolina Univ, Greenville, NC; Oune Rasheed, Near East Univ, Cyprus, Cyprus

P157 IMPACT OF CONCURRENT ATRIAL FIBRILLATION ON HYPERTENSIVE EMERGENCIES:

Amer Muhyieddeen, CEDARS SINAI, LOS ANGELES, CA; Joseph Chang, Cedars-Sinai Medical Ctr - Los Angeles, CA UNITED STATES - Los Angeles, CA, LOS ANGELES, CA; Sachini Ranasinghe, Cedars-Sinai Medical Ctr, Los Angeles, CA; KHALED SALEH, KHALED ABDULLAH, UCSF FRESNO, FRESNO, CA; Oune Rasheed, Near East Univ, Cyprus, CA; Soroush Nomigolzar, East Carolina Univ, Greenville, NC

P158 Associations Of Orthostatic Hypotension And Resting Hypertension With Biomarkers Of Subclinical Cardiovascular Disease

Aldis H. Petriceks, Harvard Medical Sch, Boston, MA; Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Edgar R Miller II, JOHNS HOPKINS MEDICAL INSTITUTIONS, Baltimore, MD; Christine Mitchell, Jennifer Schrack, Johns Hopkins Univ, Baltimore, MD; Amal Wanigatunga, Baltimore, MD; Erin D Michos, Baltimore, MD, Clarksville, MD; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

P159 Adipocyte Progenitor Subtypes In Perivascular Adipose Tissues: Effect Of Site And Spatial Location

Cristian J Rendon, Lorenzo F Sempere, Michigan State Univ, East Lansing, MI; Stephanie W Watts, G A Contreras, MICHIGAN STATE UNIVERSITY, East Lansing, MI

- P160 **Orthostatic Hypotension During Hospitalization: A Retrospective Observational Study**
Emily Rose, Beth Israel Deaconess Medical Ctr, Boston, MA; Benjamin Alexander Wagner, Beth Israel Deaconess Medical Center, Boston, MA; Adam Strauss, Beth Israel Deaconess Medical Center, Boston, MA, Lebanon, NH; Timothy Anderson, Beth Israel Deaconess Medical Center, Brookline, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA
- P161 **Addressing Hypertension And Aging In Growing Tribal Afro-pakistani And Indigenous Migrant Populations In San Joaquin**
Maha Siddiqui, UC Berkeley, Tracy, CA
- P162 **Gender Differences In Hypertension Risk Factors In Non-hispanic Asian Adults In The United States**
Wirampa Tanglai, Mia Cajita, Univ of Illinois Chicago, Chicago, IL
- P163 **Prevalence And Incidence Of Hypertension In 18-40-year-old Patients Referred For Palpitations With Normal Cardiac Monitor Findings**
Christopher Wasco, Ohio Health Riverside Methodist Hosp, Columbus, OH; Cody Carter, Ohio Health Doctor's Hosp, Columbus, OH; Aditya Kesari, Ohio Health Riverside Methodist Hosp, Columbus, OH; Zeryab Khan, Ohio Health Doctor's Hosp, Columbus, OH; Shaili Kothari, Ohio Health Riverside Methodist Hosp, Columbus, OH; Andrew Scheidemantel, Andrew Volio, Ohio Health Doctor's Hosp, Columbus, OH; Aimee Willett, Marie Lockhart, Nagesh Chopra, Ohio Health Riverside Methodist Hosp, Columbus, OH
- P164 **Montelukast, A Leucine Rich Repeat Containing 8A Inhibitor, Decreases Contractility Of Vaginal Smooth Muscle In Diabetic Mice: A Possible Treatment For Female Sexual Dysfunction In Diabetes**
Stephanie Wilczynski, Fernanda Priviero, Rinaldo Rodrigues dos Passos, Univ of South Carolina, Columbia, SC; Hyehun Choi, VANDERBILT UNIVERSITY medical ctr, Nashville, TN; Fred S Lamb, Vanderbilt Univ, Nashville, TN; R Clinton Clinton Webb, UNIVERSITY OF SOUTH CAROLINA, Columbia, SC
- P165 **Hypertension Increases Susceptibility To Experimental Malaria In Mice**
Mrunmayee R Kandalganekar, The Univ of Toledo, Toledo, OH; Beng San Yeoh, Univ of Toledo, Toledo, OH; Bina Joe, Univ of Toledo HSC, Toledo, OH; Matam Vijay-Kumar, Piu Saha, Univ of Toledo, Toledo, OH
- P166 **Prebiotic Dietary Fiber Supplementation Attenuates Gut Microbiota Dysbiosis And Age-dependent Hypertension-driven Cognitive Impairment**
Kayla Nist, Boston Univ Sch of Med, Boston, MA; Angela Capriglione, Dedham, MA; Richard D Wainford, BOSTON UNIV SCHOOL MEDICINE, Charlestown, MA
- P167 **Hypertension And Diseases Associated With Gut Microbiome Alterations: Insights From The National Inpatient Sample (nis) From 2020**
Rohan Umrani, Rowan Univ Sch of Osteopathic Med, Voorhees Township, NJ; Yaser Khallid, Rowan Univ SOM, Davie, FL; Neethi Dasu, Rowan Univ SOM, Davie, FL, voorhees, NJ; Kirti Dasu, Rowan Univ SOM, Davie, FL, voorhees, NJ, Voorhees, NJ
- P168 **Hypertensive Emergency And Covid-19 Outcomes 2020**
Rohan Umrani, Rowan Univ Sch of Osteopathic Med, Voorhees, NJ; Yaser Sorosh Khalid, Touro Univ Nevada, Henderson, NV; Kirti Dasu, Touro Univ Nevada, Henderson, NV, Voorhees, NJ; Neethi Dasu, Touro Univ Nevada, Henderson, NV, Voorhees, NJ, voorhees, NJ

- P169 **Differences In Cardiovascular Autonomic Dysfunction Between Postural Tachycardia Syndrome And Long COVID-19 Postural Tachycardia Syndrome: A Prospective Cohort Study**
Khuzeman Abbasi, Robert A Castro, Vanderbilt Univ Medical Ctr, Nashville, TN; **Luul A Aden**, Vanderbilt Univ Sch of Med, Nashville, TN; Meenakshi Golchha, Stefano Rigo, Andre' Diedrich, Luis E Okamoto, Italo O Biaggioni, Cyndya A Shibao, Vanderbilt Univ Medical Ctr, Nashville, TN
- P170 **Beta-arrestin-2 Sustains Experience-dependent Plasticity Of Sodium Ingestive Behavior**
Autumn J Hamilton, Medical Coll of Wisconsin, Milwaukee, WI; Connie Grobe, MCW, Milwaukee, WI; Jeffrey Segar, medical college of wisconsin, Wauwatosa, WI; Justin L Grobe, Curt D Sigmund, Medical Coll of Wisconsin, Milwaukee, WI
- P171 **Does Sleep Loss Affect Sympatho-excitatory Reactivity Of Blood Pressure In The Morning In People With Untreated Hypertension? A Preliminary Analysis.**
Leandro Brito, Sean P Rice, Oregon Health and Science Univ, Portland, OR; Robert Rope, OHSU, Portland, OR; Jonathan S Emens, Oregon Health & Science Univ - Portland, OR, Portland, OR; Andrew W McHill, Oregon Health and Science Univ, Portland, OR; Christopher T Minson, UNIVERSITY OF OREGON, Eugene, OR; Steven A Shea, Oregon Health & Science Univ, Portland, OR; Saurabh S Thosar, Oregon Health and Sci Univ, Portland, OR
- P172 **Dietary Sodium-to-Fiber Ratio Is Independently Associated With Body Composition And Blood Pressure In Healthy Adults**
Zach J. Hutchison, Braxton A. Linder, McKenna A. Tharpe, Alex M. Barnett, Meral N. Culver, Sofia O. Sanchez, Soolim Jeong, Nina L. Stute, Auburn Univ, Auburn, AL; Joseph C Watso, Florida State Univ, Tallahassee, FL; Gregory J. Grosicki, Georgia Southern Univ, Savannah, GA; Austin T. Robinson, Auburn Univ, Auburn, AL
- P173 **Impact Of Treatment Stage And Blood Pressure Severity On Preference For Drug And/or Device-based Treatments In Patients With Uncontrolled Hypertension**
David E Kandzari, Piedmont Heart Inst, Atlanta, GA; Christine Poulos, Sidney A Cohen, RTI Health Solutions, Durham, NC; Vanessa DeBruin, Medtronic, Lake Elmo; Doug Hettrick, Medtronic Inc, Santa Rosa, CA; Atul Pathak, Medtronic Inc, Santa Rosa, CA, France
- P174 **Determining The Effect Of Diet And Short-term Voluntary Exercise On Renal Function And RAS mRNA Expression In Male C57Bl/6 Mice: A Pilot Study**
Austin Le Vey, McClain Vail, Thuy-Linh Nguyen, Aaron Rodriguez, Nathaniel Spears, Jeffrey Houghton, Joseph Gigliotti, Liberty Univ Coll of Osteopathic Med, Lynchburg, VA
- P175 **Benefits Of Gardening For Self-management Of Hypertension Among African-American Men: A Mixed-Methods Analysis**
Carrie McCoy, Mayo Clinic, Rochester, MN; Katherine Morgan, Univ of Tennessee, Knoxville, TN; LaPrincess C Brewer, MAYO CLINIC, Rochester, MN
- P177 **Antigen-presenting Cell Vitamin D3 Modulates Salt-sensitive Hypertension In Humans**
Claude F Albritton II, Vanderbilt Univ Medical Ctr, Nashville, TN; Mohammad Saleem, Vanderbilt university medical cente, Nashville, TN; Ashley Pitzer, Vanderbilt Univ Medical Cente, Nashville, TN; Lale Ertuglu, Vanderbilt Univ Medical Cente, Nashville, TN, Nashville, TN; Annet Kirabo, Vanderbilt Univ Medical Cente, WHITE HOUSE, TN

- P178 **Role Of The C-C Motif Chemokine Receptor 5 (CCR5) Polymorphism In A Mouse Model Of Kawasaki Disease-Induced Vasculitis**
Rafael Costa, Juliano Alves, Marina Ayupe, Wanessa Awata, Shubhnita Singh, Ariane Bruder-Nascimento, Timothy Hand, Thiago Bruder, Univ of Pittsburgh, Pittsburgh, PA
- P179 **Nano- And Microplastic-enriched Diets Affect Inflammation And Target Organ Damage In Hypertension**
Franziska Fuckert, Ariana Rauch, Charite Univsmedizin, ECRC, Berlin, Germany; Harithaa Anandakumar, Charite, Berlin, Germany; Hendrik Bartolomaeus, ECRC, Berlin, Germany; Nicola Wilck, Charite Univ, ECRC, Berlin, Berlin, Germany
- P180 **Hypertension-linked Immune Activation Regulates Osteoclastogenesis**
Elizabeth Maria Hennen, Vanderbilt Univ, Nashville, TN; Wei Chen, Vanderbilt Medical Ctr, Franklin, TN; Nestor De La Visitacion VI, Sasidhar Uppuganti, Vanderbilt Univ Medical Cente, Nashville, TN; Mingfang Ao, Vanderbilt Univ medical Cente, Nashville, TN; Jeffry Nyman, Vanderbilt Univ medical Cente, Nashville, TN, Nashville, TN; David G Harrison, VANDERBILT, Nashville, TN
- P181 **Tcell Derived Hiv Proteins Promote Oxidative Stress, Endothelial Dysfunction And Hypertension Via Interleukin 1a-mediated Mechanisms In Mice.**
Taylor Kress, Medical Coll of Georgia, Augusta, GA; Laszlo Kovacs, Candee Barris, Augusta Univ, Augusta, GA; Roger MacArthur, Medical Coll of Georgia, Augusta, GA; Simone Kennard, Augusta Univ, Augusta, GA; Rafal Pacholczyk, Medical Coll of Georgia, Augusta, GA; Eric J Belin De Chantemele, MEDICAL COLLEGE OF GEORGIA AT AU, Augusta, GA
- P182 **Neutrophil Extracellular Traps Are Formed In Response To Hypertensive Stretch And Contribute To Vascular Dysfunction In Hypertension**
Jaya Krishnan, Nestor De La Visitacion VI, Mingfang Ao, Vanderbilt Univ Medical Ctr, Nashville, TN; Elizabeth Maria Hennen, Vanderbilt Univ, Nashville, TN; David M Patrick, Vanderbilt Univ Medical Ctr, Nashville, TN
- P183 **Porcupine Protects The Kidney By Suppressing Tubular Inflammation And Preserving Mitochondrial Integrity**
Xiaohan Lu, Jiafa Ren, Yi Wen, Jiahui Su, Saba Ali, Yanting Chen, DUKE UNIVERSITY MEDICAL CENTER, Durham, NC; Babita Madan, David M Virshup, Duke-Natl Univ of Singapore Graduate Medical Sch, Singapore, Singapore; Ting Yang, Steven D Crowley, DUKE UNIVERSITY MEDICAL CENTER, Durham, NC
- P184 **Inducing Macrophages Towards A Regulatory Phenotype Reduces Blood Pressure And Testicular Proinflammatory Immune Cells In Hypertensive Mice**
Shobana Navaneethalakrishnan, Bethany Goodlett, Texas A and M Univ, Bryan, TX; Hannah Smith, Bryan, TX; Brett M Mitchell, TEXAS A M HEALTH SCIENCE CENTER, Bryan, TX
- P185 **Hydralazine Treatment Does Not Fully Reduce Proinflammatory Immune Cells In The Ovaries Of Mice With Salt-sensitive Hypertension**
Shobana Navaneethalakrishnan, Bethany Goodlett, Texas A and M Univ, Bryan, TX; Hannah Smith, Bryan, TX; Brett M Mitchell, TEXAS A M HEALTH SCIENCE CENTER, Bryan, TX

- P186 **CCR10 Promotes Blood Pressure Elevations And Renal Damage In A Mouse Model Of Hypertension**
Bianca A. Nguyen, Ziche Chen, Vanderbilt Univ, Nashville, TN; Daniel J Fehrenbach, VUMC, Nashville, TN; Xue Zhong, Vanderbilt Univ, Nashville, TN; Na Xiong, Univ of Texas, Austin, TX; Meena S Madhur, VANDERBILT UNIVERSITY, Nashville, TN; Matthew R Alexander, Vanderbilt Univ Medical Cente, Nashville, TN
- P187 **Comparative Analysis Of Covid-19 Vaccine Efficacy In Heart Transplant Recipients On Standardized Immunotherapy Regimens**
Shriya Sharma, Jose Ruiz, Smit Paghdar, Smruti Desai, Rohan Goswami, Mayo Clinic, Jacksonville, FL
- P188 **Hypertensive Stimuli Increase Pro-Inflammatory Bone Marrow Derived Macrophages In Vitro**
Hannah L Smith, Texas A&M Univ, College Station, TX; Bethany Goodlett, Texas A and M Univ, Bryan, TX; Shobana Navaneethabalakrishnan, Texas A and M Univ, Bryan, TX; Brett M Mitchell, TEXAS A M HEALTH SCIENCE CENTER, Bryan, TX
- P189 **Hypercontractility Of Pudendal Artery And Corpus Cavernosum Is Associated With LRRC8A-VRAC And Superoxide Anion Production In Diabetic Vasculogenic Erectile Dysfunction**
Cintia Vieira dos Santos, Rinaldo Rodrigues dos Passos, Olufunke Arishe, Univ of South Carolina, Columbia, SC; Hyehun Choi, VANDERBILT UNIVERSITY medical ctr, Nashville, TN; Stephanie Wilczynski, Univ of South Carolina, Columbia, SC; Fred S Lamb, Vanderbilt Univ, Nashville, TN; R Clinton Clinton Webb, UNIVERSITY OF SOUTH CAROLINA, Columbia, SC; Fernanda Priviero, Univ of South Carolina, Columbia, SC
- P189.2 **Aberrant Trafficking Of Intestinal Immune Cells In Salt-sensitive Hypertension**
Ariana Rauch, Hendrik Bartolomaeus, Alex Yarritu, Charite Univsmedizin, ECRC, Berlin, Germany; Lucas Stuerzbecher, Charite Univsmedizin, Berlin, Germany; Valentin Vecera, Wibke Anders, Harithaa Anandakumar, Nicola Wilck, Charite Univsmedizin, ECRC, Berlin, Germany
- P190 **Management Of Patients With Hypertension: Challenges From A Student-Run Free Clinic**
Sanya Ahmed, Michelle Zhu, Cyrus Behzadi, Max Kuster, Thair Laskar, SUNY Downstate Coll of Med, Brooklyn, NY
- P191 **Health Services Availability And Readiness For Management Of Hypertension And Diabetes In Primary Level Healthcare Facilities In Ghana**
Thomas Hinneh, Oluwabunmi V Ogungbe, Faith Metlock, Johns Hopkins Univ, Baltimore, MD; Bernard Abeiku Mensah, Univ of Alberta, Edmonton, AB, Canada; Yvonne Commodore-Mensah, JOHNS HOPKINS SCHOOL OF NURSING, Baltimore, MD
- P192 **Provider And Health System Level Variability In Initial Antihypertensive Intensity: A Mixed Modeling Approach In Newly Treated Patients With Hypertension**
Shailina Keshwani, Univ of Florida, Gainesville, FL; Kayla Smith, Almut Winterstein, Matthew Gurka, Gainesville, FL; Marta Walsh, Anne Libby, William Hogan, Carl Pepine, Univ of Florida, Gainesville, FL; Rhonda M Cooper-Dehoff, Steven M Smith, UNIVERSITY OF FLORIDA, Gainesville, FL
- P193 **Time To First Follow-up Visit For Patients With Newly Treated Hypertension Among Florida Medicaid And Medicare Recipients**

Kayla Smith, Almut Winterstein, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Gainesville, FL; **Matthew Gurka**, Dept of Pediatrics, Coll of Med, Univ of Florida,, Gainesville, FL; **Marta Walsh**, **Shailina Keshwani**, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Gainesville, FL; **Anne Libby**, Dept of Emergency Med, Sch of Med, Univ of Colorado Denver,, Aurora, CO; **William Hogan**, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Gainesville, FL; **Carl Pepine**, Div of Cardiovascular Med, Dept of Med, Coll of Med, Gainesville, FL; **Rhonda M Cooper-Dehoff**, Div of Cardiovascular Med, Dept of Med, Coll of Med, Ctr for Integrative Cardiovascular and Metabolic Disease, Dept of Pharmacotherapy and Translational Res, Coll of Pharmacy, Univ of Florida, Gainesville, FL; **Steven M Smith**, Dept of Pharmaceutical Outcomes and Policy, Coll of Pharmacy, Div of Cardiovascular Med, Dept of Med, Coll of Med, Ctr for Integrative Cardiovascular and Metabolic Disease, Univ of Florida, Gainesville, FL

P194 Unmet Social Needs In Youth Referred For Hypertension Disorders Across U.s. Geographic Regions: A Superhero Interim Analysis

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P195 Association Of Unmet Social Needs With Antihypertensive Medication Prescription And Dietitian Referral: Interim Analysis Of The Study Of The Epidemiology Of Pediatric Hypertension Registry (SUPERHERO)

Elizabeth A Onugha, **Jessica F Campbell**, Baylor Coll of Med, Houston, TX; **Jackson Londeree**, Atlanta, GA; **Jason Misurac**, **Sandeep Riar**, Atlanta, GA, Iowa City, IA; **Christine Sethna**, New Hyde Park, NY; **Sahar Siddiqui**, Baylor Coll of Med, Houston, TX; **Donald J Weaver**, Atrium Health Levine Children's, Charlotte, NC; **Ikuyo Yamaguchi**, Oklahoma Children's Hosp, Oklahoma City, OK; **Carol Vincent**, Oklahoma Children's Hosp, Oklahoma City, OK, Winston Salem, NC; **Andrew South**, Wake Forest Sch of Med, Winston Salem, NC

P196 Association Of Chronic Kidney Disease With Blood Pressure Severity And Target Organ Injury At Baseline In Youth Referred For Hypertension Disorders

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P197 The Total And Direct Effects Of Cardiovascular Risk Factors On Target Organ Injury And The Indirect Effect Mediated Through Blood Pressure Severity: Modifying Effect Of Chronic Kidney Disease

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- P198 **Initial Management Of Hypertensive Disorders In Youth With And Without Chronic Kidney Disease**
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- P199 **Plasma Metabolomic Profiles Related To Blood Pressure (BP) In Early And Mid-adolescence: Findings From The Project Viva Cohort**
Mingyu Zhang, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA; Wei Perng, Colorado Sch of Public Health, Aurora, CO; Sheryl L Rifas-Shiman, Emily Oken, Marie-France Hivert, Harvard Medical Sch and Harvard Pilgrim Health Care Inst, Boston, MA
- P200 **Tnf- α Blockade During Pregnancy Does Not Impact Offspring Development In A Rat Model Of Preeclampsia**
Nathan Campbell, Univ of Mississippi Medical C, Jackson, MS; Dylan Solise, Jackson, MS; Usman Ashraf, Univ of Mississippi, Jackson, MS; Owen Herrock, Univ of Mississippi Medical C, Jackson, MS; Evangeline M Deer, Univ of MS Medical Ctr, Brandon, MS; Ty Turner, Univ of MS Medical Ctr, Brandon, MS, Jackson, MS; Baoying Zheng, Univ of MS medical center, Jackson, MS; Kathy Cockrell, Univ of MS medical center, Jackson, MS, Jackson, MS; Barbara T Alexander, UNIVERSITY MISSISSIPPI, Jackson, MS; Babbette B Lamarca, UNIVERSITY MISSISSIPPI MEDICAL CTR, Jackson, MS
- P201 **First Trimester Anxiety Is Associated With Increased Arterial Stiffness In High-risk Pregnant Women**
Mekayla Forrest, Maria Matossian, Helena Papacostas-Quintanilla, Tina Montreuil, Stella S Daskalopoulou, McGill Univ, Montreal, QC, Canada
- P202 **Changes In Cerebral Mitochondrial Function In Intrauterine Growth-Restricted Offspring Before The Development Of Hypertension And Cerebrovascular Dysfunction**
Kylie Jones, Jonna Smith, Savanna Smith, Angie Castillo, Mark Cunningham Jr., UNT Health Science Ctr, Fort Worth, TX
- P203 **Microvascular Imaging As Early Predictor For Cardiac Dysfunction After Preeclampsia**
Kristin Kraeker, Charite - Univsmedizin, Berlin, Germany; Nadine Haase, EXPERIMENTAL AND CLINICAL RES CTR, Berlin; Sarah Kedziora, MDC Berlin, Berlin; Alina Frolova, Experimental and Clinical Res Ctr, Berlin, Germany; Till Schuette, Charite - Univ Med, Berlin; Florian Herse, CHARITE, Berlin; Dominik N Mueller, MAX DELBRUCK CTR, Berlin; Ralf Dechend, Charite and Helios Clinic Berlin, Berlin
- P204 **Acute Kidney Injury Prior To Pregnancy Induces Renal And Endothelial Dysfunction Which Predisposes Pregnant Rats To Adverse Pregnancy Outcomes**
Desmond Moronge, Augusta Univ, North Augusta, SC; Victor Ayulo, Hannah Godley, Augusta Univ, Augusta, GA; Elisabeth Mellott, Augusta Univ, Graniteville, SC; Ellen E Gillis, Safia

Ogbi, Augusta Univ, Augusta, GA; Jennifer C Sullivan, Jessica L Faulkner, AUGUSTA UNIVERSITY, Augusta, GA

- P205 **G Protein-Coupled Estrogen Receptor Stimulation Attenuates Hypertension And Cardiac Dysfunction In The Reduced Uterine Perfusion Pressure Model Of Preeclampsia**
Allan kardec Nogueira de Alencar, Kenneth F. Swan, Smruti Mahapatra, Gabriella Pridjian, Sarah H Lindsey, Carolyn Bayer, Tulane Univ, New Orleans, LA
- P206 **Novel Dual-function Redox Modulator Therapy For Preeclampsia**
Diana Pintye, Reka E Sziva, Dept of Med, Beth Israel Lahey Health, Boston, MA; Maxim Mastuyugin, Dept of Chemistry UMass Boston, Boston, MA; Agnes Lo, Dept of Med, Beth Israel Lahey Health, Boston, MA; Saira Salahuddin, Dept of OB/GYN, Beth Israel Lahey Health, Boston, MA; Zsuzsanna K Zsengeller, Dept of Med, Beth Israel Lahey Health, Boston, MA
- P207 **Pravastatin Mitigates Hyperglycemia- Induced Cytotrophoblast Dysfunction**
Riddhi Rane, Texas A&M Univ Sch of Med, College Station, TX; Ahmed Pantho, Orion Inst for Translational Med, Temple, TX; Niraj Vora, Baylor Scott and White Hosp, Temple, TX; Syeda Afroze, Orion Inst for Translational Med, Temple, TX; Jessica Ehrig, Baylor Scott & White Health, Temple, TX; Thomas Kuehl, Orion Inst for Translational Med, Temple, TX; David C Zawieja, TAMUS HEALTH SCI CENTER, College Station, TX; Mohammad N Uddin, Baylor Scott & White Health, Temple, TX
- P208 **Cardiovascular Effects Of Antihypertensive Agents In A Rat Model Of Preeclampsia.**
Nadine Haase, EXPERIMENTAL AND CLINICAL RES CTR, Berlin; **Till Schuette**, Charite - Univ Med, Berlin, Germany; Sarah Kedziora, MDC Berlin, Berlin; Kristin Kraeker, Charite - Univsmedizin, Berlin; Ralf Dechend, Charite and Helios Clinic Berlin, Berlin; Pilar Palmrich, Medical Univ of Vienna, Vienna, Austria; Meryam Sugulle, Medical Univ of Vienna, Vienna, Austria, Oslo, Norway; Julia Binder, Medical Univ of Vienna, Vienna, Austria, Oslo, Norway, Vienna
- P209 **Six Weeks Oral Losartan Treatment Improves Endothelium-dependent Dilation In Normotensive Women With A History Of Preeclampsia**
Kelsey S Schwartz, The Univ of Iowa, Iowa City, IA; Diana I Jalal, Iowa City Veterans Affairs Health Care System, Iowa City, IA; Anna E Stanhewicz, The Univ of Iowa, Iowa City, IA
- P210 **Sex Specific Changes In Cerebral Proinflammatory Cytokines In Intrauterine Growth Restricted Offspring**
Savanna Smith, Jonna Smith, Univ of North Texas HSC, Fort Worth, TX; Kylie Jones, UNT Health Science Ctr, Fort Worth, TX; Angie Castillo, Univ of North Texas HSC, Fort Worth, TX; Mark W Cunningham Jr., Univ. N Texas Health Science Cen., Fort Worth, TX
- P211 **Expedited Versus Standard Postpartum Discharge In Patients With Hypertensive Disorders Of Pregnancy**
Anna Palatnik, Medical Coll of Wisconsin, Mequon, WI; **Alina Tvina**, Medical Coll of Wisconsin, Milwaukee, WI
- P212 **NMDA Receptor Glutn2c Deficient Mouse Associates With Hypertension**
Sihyun Jeon, Andrea Almada, Cesar A Romero, Emory Univ, Atlanta, GA
- P213 **Multi-omic Analysis Of The Effect Of SGLT2 Inhibition On Blood Pressure In Dahl SS Rats**

Olha Kravtsova, Univ of South Florida, Tampa, FL; Anja M. Billing, Aarhus Univ, Aarhus, Denmark; Gunjan Upadhyay, Vladislav Levchenko, Ruisheng Liu, Timo Rieg, Univ of South Florida, Tampa, FL; Markus M. Rinschen, Aarhus Univ, Aarhus, Denmark; Ganesh V Halade, Alexander Staruschenko, Univ of South Florida, Tampa, FL

P214 Impact Of NADPH Oxidase 4 Knockout On Renal O₂ Consumption In Dahl Salt-sensitive Rats

Satoshi Shimada, Ranjan K Dash, Allen W Cowley Jr., Medical Coll of Wisconsin, Milwaukee, WI

P215 Effects Of Carnitine Palmitoyltransferase 2 (cpt2) Deficiency On Blood Pressure Regulation And Renal Homeostasis

Brody A Smith, USF Health Morsani Coll of Med, Tampa, FL; Lashodya Vindana Dissanayake, USF Health Morsani Coll of Medic, Tampa, FL; Adrian Zietara, Vladislav Levchenko, USF, Tampa, FL; Aron M Geurts, Medical Coll of Wisconsin, Milwaukee, WI; Oleg Palygin, Medical Univ of SC, Charleston, SC; Alexander Staruschenko, Univ of South Florida, Tampa, FL

P216 Multiomics Approach To Unravel The Molecular Mechanisms Responsible For Kidney Concentric Arterial And Arteriolar Hypertrophy

Lucas Almeida, Univ of Virginia, CHARLOTTTEVILLE, VA

P217 The Role Of Angiotensin-(1-7) In Regulating Vascular Endothelial Function In Postmenopausal Women

Angelica R Del Vecchio, Allyson I Schwab, Univ of Delaware, Newark, DE; David G Edwards, UNIVERSITY OF DELAWARE, Newark, DE; Ibra Fancher IV, Univ of Delaware, Newark, DE; Anna E Stanhewicz, The Univ of Iowa, Iowa City, IA; Megan M Wenner, UNIVERSITY OF DELAWARE, Newark, DE

P218 Ubr1 And Nedd4-2 Synergistically Modulate Ace2 Ubiquitination In Hypertensive Male Mice

Mona Elgazzaz, Luke Restivo, Karl Moles, Alexa Martinez, LSU Health Sciences Ctr, New Orleans, LA; Catalin Filipeanu, Howard Univ, Washington, DC; Eric D Lazartigues, LSU Health Sciences Ctr, New Orleans, LA

P219 Recombinant Aminopeptidase A Metabolizes Ang II, Ang I And Ang 1-12: Effect On Blood Pressure

Peter Forster, Northwestern Univ, Chicago, IL; Jan A Wysocki, NORTHWESTERN UNIVERSITY, Chicago, IL; Yasemin Abedini, Minghao A Ye, Northwestern Univ, Chicago, IL; Daniel C Battle, NORTHWESTERN UNIVERSITY, Chicago, IL

P220 Angiotensin II Dependent And Independent Pressor Effect Of Ang-(1-12)

Peter Forster, Northwestern Univ, Chicago, IL; Jan A Wysocki, NORTHWESTERN UNIVERSITY, Chicago, IL; Yasemin Abedini, Minghao A Ye, Northwestern Univ, Chicago, IL; Carlos M Ferrario, WAKE FOREST UNIVERSITY HLTH SCI CTR, Winston Salem, NC; Daniel C Battle, NORTHWESTERN UNIVERSITY, Chicago, IL

P221 Soluble (pro)renin Receptor Contributes To 2-kidney, 1-clip-induced Renovascular Hypertension And Ischemic Nephropathy In Mice

Ziwei Fu, Huaqing Zheng, Kannaree Kaewsaro, Changjiang Zou, Tianxin Yang, Univ of Utah and Veterans Affairs Medical Ctr, Salt Lake City, UT

- P222 **Effect Of Western Diet On Pathophysiology And Cardiac Gene Expression Profile In Human AT1 Receptor Over-Expressing Hypertensive Transgenic Mice**
Harshada Ketkar, new york medical college, Elmsford, NY
- P223 **Mechanism Of High Salt Diet Induced-tubular Proteinuria And Protective Role Of Angiotensin Ii Type 2 Receptor (at2R).**
Kalyani Kulkarni, Univ of Houston, Houston, TX
- P224 **The Role Of Gata3 In Renin Cell Identity**
Jesus Neyra, Univ of Virginia, Charlottesville, VA; **Silvia Medrano**, Univ of Virginia, Charlottesville, VA; **Alexandre Goes Martini**, Univ of Brasilia, Charlottesville, VA; **Maria Luisa Lopez**, Ariel R Gomez, Univ of Virginia, Charlottesville, VA
- P225 **The Reninness Score: Integrative Analysis Of Multi-omic Data To Define Renin Cell Identity.**
Bingjie Xue, Univ of Virginia, Charlottesville, VA; **Silvia Medrano**, Univ of Virginia, Charlottesville, VA; **Alexandre Goes Martini**, Univ of Brasilia, Brasília, Brazil; **Jason Smith**, **Nathan Sheffield**, Univ of Virginia, Charlottesville, VA; **Roberto A Gomez**, UNIVERSITY OF VIRGINIA, Charlottesville, VA; **Maria Luisa S Sequeira Lopez**, UNIVERSITY VIRGINIA, Charlottesville, VA
- P226 **Length Of Stay Discrepancies Between Rural And Urban Hospital Settings For Hypertension Admissions**
Sai Vishnu Vardhan Allu, Harsh Parikh, BRONXCARE Hosp, Bronx, NY; **Shitij Shrivastava**, **Aung Thet**, **Muhammad Saad**, BRONXCARE Hosp, Bronx, NY
- P227 **Resistant Hypertension In Young Patient- A Case Of Conn'S Syndrome**
Areeba Marrium, Swati Viswanathan, Ramesh Soundarajan, Franciscan Health Olympia Fields, Chicago, IL
- P228 **Beyond The Basics: Resistant Hypertension In A Case Of Acromegaly**
Hriday Shah, GMERS Medical Coll, Vadodara, India; **Vahid Bharmal**, Bhailal Amin General Hosp, Vadodara, India; **Jay Shingala**, B.J. Medical Coll, Civil Hosp Campus, Ahmedabad, India; **Nayanika Chowdary Tummala**, GITAM Inst of Medical Sciences and Res, Visakhapatnam, India; **Varnika Gupta**, Lala Lajpat Rai Memorial Medical Coll, Meerut, India
- P229 **Beyond Cooling Sensation: Topical Penile Administration Of The Trpm8 Agonist Improves Hypertension Associated-erectile Dysfunction**
Fenix A. Araujo, Gonçalo Moniz Inst, Salvador, Brazil; **Rafael Cruz Jesus**, Dept of Bioregulation, Federal Univ of Bahia, Salvador, Brazil; **Theodora Szasz**, Dept of Physiology, Augusta Univ, Augusta, GA; **Camilla F Wenceslau**, Univ Of South Carolina, Columbia, SC; **Cam McCarthy**, Univ of South Carolina, Columbia, SC; **R Clinton Clinton Webb**, UNIVERSITY OF SOUTH CAROLINA, Columbia, SC; **Darizy Flavia Silva**, Federal Univ of Bahia, Salvador, Brazil
- P230 **Central Artery Pulsatile Hemodynamics Are Associated With Cerebral Total, Periventricular, And Deep White Matter Lesions: Role Of Reservoir-excess Pressure Components.**
Matthew K Armstrong, Shivangi Jain, Virginia Nuckols, Colin Gimblet, Univ of Iowa, Iowa City, IA; **Lyndsey E Dubose**, Denver, CO; **Michelle W Voss**, Univ of Iowa, Iowa City, IA; **Gary L Pierce**, UNIVERSITY OF IOWA, Iowa City, IA

- P231 Lipoprotein Lipase Activation Is A Novel Anti-contractile Mechanism That Is Both Endothelium-dependent And Independent.**
Jacob Brezner, Univ of South Carolina Sch of Med, Columbia, SC; Tiago Januario Da Costa, Emily Wilson, South Carolina Sch of Med, Columbia, SC; Fenix Araujo, Univ of South Carolina Sch of Med, Columbia, SC; Camilla F Wenceslau, Univ Of South Carolina, Columbia, SC; Cam McCarthy, Univ of South Carolina, Columbia, SC
- P232 New Anti-contractile Effect Of Skeletal Muscle Is Lost In Hypertension**
Milene T Fontes, Univ of South Carolina, Columbia, SC; Tiago Januario Da Costa, South Carolina Sch of Med, Columbia, SC; Fênix A Araújo, Univ of South Carolina, Columbia, SC; Landon P Butler, Oklahoma State Univ, Stillwater, OK; Fiona Hollis, UofSC Sch of Med, Lexington, SC; Kandy T Velazquez, Univ of South Carolina, Columbia, SC; Joshua T Butcher, Oklahoma State Univ, Stillwater, OK; Cam McCarthy, Univ of South Carolina, Columbia, SC; Camilla F Wenceslau, Univ Of South Carolina, Columbia, SC
- P233 Single-cell Transcriptomic Characterization Of Aortic Lymphocyte Heterogeneity During Hypertension**
Maria Jelinic, Hericka Bruna Figueiredo Galvao, LA TROBE UNIVERSITY, Melbourne, Australia; Malathi Dona, Gabriella Emmie Farrugia, Baker Heart and Diabetes Inst, Melbourne, Australia; Asha Haslem, LA TROBE UNIVERSITY, Melbourne, Australia; Henry Diep, Christopher G Sobey, La Trobe Univ, Bundoora, Australia; Mathew G Lewsey, LA TROBE UNIVERSITY, Melbourne, Australia; Alexander Pinto, Baker Heart and Diabetes Inst, Melbourne, Australia; Grant Drummond, La Trobe Univ, Melbourne, Australia; Antony Vinh, LA TROBE UNIVERSITY, Bundoora, Australia
- P234 High-fat Diet Reduces Beneficial Effect Of Perivascular Adipose Tissue On Arterial Stiffness**
Dillon McClintock, Sydney Bush, Emma Darios Flood, Stephanie W Watts, Nathan R Tykocki, Sara Roccabianca, Michigan State Univ, East Lansing, MI
- P235 The Absence Of Inhibitory G Protein Regulation By Rgs2 Increases Basal Phosphodiesterase Activity To Decrease Forskolin-stimulated Camp Generation And Enhances Myogenic Response In Uterine Arteries Of Non-pregnant Mice**
Bo Sun, CASE WESTERN RESERVE UNIVERSITY, Cleveland, OH; Alethia Dixon, Case Western Reserve Univ, Cleveland, OH; Nia Smith, Case Western Reserve Univ, Cleveland, OH, Harvey, LA; **Patrick Osei-Owusu**, CASE WESTERN RESERVE UNIVERSITY, Cleveland, OH
- P236 Association Of Vitamin B Deficiency-induced Hyperhomocysteinemia With Subclinical Atherosclerosis In Adolescents: Implications For Early Cardiovascular Disease Detection**
Parth Shirode, Terna Medical Coll, Hosp and Res Ctr, Navi Mumbai, India; Anjali Parekh, Surat Municipal Inst of Medical Education and Res, Surat, India; Vaishnavi Gummalla, GITAM Inst of Medical Sciences and Res, Visakhapatnam, India; Aniket Jaimalani, Surat Municipal Inst of Medical Education and Res, Surat, India; Janmay Wala, Terna Medical Coll, Hosp and Res Ctr, Navi Mumbai, India
- P237 Bainiku-ekisu Attenuates Cardiac Remodeling In Angiotensin Ii-infused Mice**
Keiichi Torimoto, Temple Univ Sch of Medicin, Philadelphia, PA; Keisuke Okuno, Temple Univ, Philadelphia, PA; Ryohei Kuroda, The Univ of Tokyo, Tokyo, Japan; Hymavathi Reddy

Vari, Hirotooshi Utsunomiya, Temple Univ Sch of Medicin, Philadelphia, PA; Satoru Eguchi, Vanderbilt Univ Sch Med, Nashville, TN

- P238 **Chemerin Is Resident To Vascular Tunics And Contributes To Vascular Tone**
Emma Ann Wabel, Alexis Orr, Emma Darios Flood, Michigan State Univ, East Lansing, MI; Adam E Mullick, Ionis Pharmaceuticals, Inc., Carlsbad, CA; Hannah Garver, Gregory D Fink, Michigan State Univ, East Lansing, MI; Theodore A. Kung, Michigan Med, Ann Arbor, MI; Stephanie W Watts, Michigan State Univ, East Lansing, MI

Poster Session 2

- P300 **Blood Pressure Increase Upon High Dietary Potassium Supplementation Is Not Associated With Renal Sodium Retention Or Plasma Volume Expansion**
Heimo Ehmke, Helga Vitzthum, Philine Steffen, Christian Marx, Jan Ewald, UKE, Hamburg, Germany; Karoline M Morhenn, UNIVERSITY MEDICAL CENTER EPPENDORF, Hamburg; Anika Seniuk, UKE, Hamburg
- P301 **Predicting Complete Resolution Of Hypertension After Adrenalectomy In Primary Aldosteronism: A Systematic Review And Meta-analysis Of Prognostic Models. Surgical Outcome of PRimary Aldosteronism progNostic mOdelS (SOPRANO) Study**
Luigi Marzano, Internal Med Unit, San Bortolo Hosp, U.L.S.S. 8 Berica, VICENZA, Italy; Amir Kazory, UNIVERSITY OF FLORIDA, Gainesville, FL; Faeq Husain-Syed, Univ Hosp Giessen, Giessen, Germany; Claudio Ronco, Dept of Nephrology, Dialysis and Transplantation, Intl Renal Res Inst of Vicenza (IRRIV), San Bortolo Hosp, Vicenza, Italy
- P302 **EFFECTS OF FINERENONE ON MYOCARDIAL INJURY AND SODIUM ACCUMULATION IN ALDOSTERONE-INFUSED RATS**
Akira Nishiyama, Kento Kitada, Asadur Rahman, KAGAWA UNIV MED SCHOOL, Kagawa, Japan
- P303 **Contribution Of Adrenal Leptin Receptor To The Control Of Aldosterone Synthase Expression And Endothelial Function In Female Mice**
Yoichi Ono, Galina Antonova, Simone Kennard, Augusta Univ, Augusta, GA; David Breault, Boston Children's Hosp, Boston, MA; Eric J Belin De Chantemele, MEDICAL COLLEGE OF GEORGIA AT AU, Augusta, GA
- P304 **Coronary Flow Reserve In Primary Aldosteronism**
Giacomo Rossitto, DIMED - Padua Univ, Padua, Italy; Agatella Barchitta, Azienda Ospedale Univ di Padova, Padua, Italy; Domenico Bagordo, Giona Nervo, DIMED - Padua Univ, Padua, Italy; Luisa Ruzza, Azienda Ospedale Univ di Padova, Padua, Italy; Giulio Cabrelle, Giovanni Bertoldi, DIMED - Padua Univ, Padua, Italy; Chiara Berton, Azienda Ospedale Univ di Padova, Padua, Italy; Brasilina Caroccia, DIMED - Padua Univ, Padua, Italy; Francesca Torresan, Maurizio Iacobone, DISCOG - Padua Univ, Padua, Italy; Gian Paolo Rossi, DIMED - Padua Univ, Padua, Italy
- P305 **New Screening Cutoff Values For Detection Of Aldosteronoma Examined By Lc-ms/ms And A Newly Developed Non-competitive Chemiluminescent Enzyme Immunoassay**
Fumitoshi Satoh, Tohoku Univ. Graduate Sch of Med, Sendai, Japan; Yoshikiyo Ono, Kei Omata, Yuta Tezuka, Tohoku Univ Hosp, Sendai, Japan; Sadayoshi Ito, Katta General Hosp, Shiroishi Miyagi, Japan

- P306 **Beta-arrestin Biased Signaling Is Not Necessary For The Hypotensive Actions Of 5-HT₇ Receptor Stimulation: Use Of Serodolin**
Stephanie W Watts, MICHIGAN STATE UNIVERSITY, East Lansing, MI; Hannah Garver, Michigan State Univ, East Lansing, MI; Severine Morisset-Lopez, CNRS New Orleans, New Orleans, France; Gregory D Fink, MICHIGAN STATE UNIVERSITY, East Lansing, MI
- P307 **What A Difference Hypertension Makes: The Adventitia Hands Off To PVAT For Extracellular Matrix Remodeling As Blood Pressure Rises In The High Fat Fed Dahl SS Rat.**
Caitlin Shana Wilson, Michigan State Univ, Sault Sainte Marie, MI; Janice Thompson, Michigan State Univ, East Lansing, MI; Leah Terrian, MICHIGAN STATE UNIVERSITY, East Lansing, MI; Adam A Lauver, Michigan State Univ, East Lansing, MI; Gregory D Fink, MICHIGAN STATE UNIVERSITY, East Lansing, MI; Lisa Sather, MICHIGAN STATE UNIVERSITY, East Lansing, MI; Sudin Bhattacharya, Michigan State Univ, East Lansing, MI; **Stephanie W Watts**, MICHIGAN STATE UNIVERSITY, East Lansing, MI
- P308 **Leucine Rich Repeat Containing 8A Anion Channels Modulate Vasodilation In Angiotensin II-induced Hypertensive Mice**
Hyehun Choi, Hong N Nguyen, VANDERBILT UNIVERSITY medical ctr, Nashville, TN; Fred S Lamb, Vanderbilt Univ Medical center, Nashville, TN
- P309 **Descending Thoracic Aorta Perivascular Adipocytes Adipogenesis Is Defined By Their Anatomical Location**
G. Andres Contreras, MICHIGAN STATE UNIVERSITY, East Lansing, MI; Cristian J Rendon, Michigan State Univ, East Lansing, MI; Stephanie W Watts, MICHIGAN STATE UNIVERSITY, East Lansing, MI
- P310 **Transcriptomic Profiling Of Sars-cov-2 Spike Protein S1 Subunit Mediated Changes In Human Vascular -pericytes, -endothelial Cells (ECs), -smooth Muscle Cells And Lymphatic ECs: Evidence For Differential Gene Regulation**
Raghvendra K Dubey, Giovanna Azzarito, Brigitte Leeners, Marinella Rosselli, UNIVERSITY HOSPITAL ZURICH, Schlieren, Switzerland
- P311 **The Association Of Locomotive Syndrome/low Bone Mineral Density And Increased Arterial Stiffness**
Chisa Matsumoto, Tokyo Medical Univ, Tokyo, Japan; Hirofumi Tomiyama, TOKYO MEDICAL UNIVERSITY, Tokyo, Japan; Hiroki Nakano, Tokyo Medical Univ, Tokyo, Japan; Mari Matsuura, Tokyo Medical Univ, Tokyo, Japan, Tokyo, Japan; Kazuki Shiina, Tokyo Medical Univ, Tokyo, Japan; Akira Yamashina, TOKYO MEDICAL UNIVERSITY, Tokyo, Japan
- P312 **Three-Month Human Endothelin-1 Endothelial Overexpression Up-Regulated Khdrbs3 And Caused Vegfa And Nrp2 Alternative Splicing In Mesenteric Arteries Of Male Mice**
Pierre Paradis, Olga Berillo, Suellen C Coelho, Nathanne dos Santos Ferreira, Lady Davis Inst for Medical Res, SMBD-Jewish General Hosp, McGill Univ, Montreal, QC, Canada; Chantal Richer, CHU Sainte-Justine, Montreal, QC, Canada; daniel sinnett, CHU Sainte-Justine, Montreal, QC, Canada, Montreal, QC, Canada; Ernesto L Schiffrin, SMBD JEWISH GENERAL HOSP, Montreal, QC, Canada

- P313 **Chronic Circadian Disruption Impairs Blood Pressure Rhythm And Leads To Vascular Disease In Mice**
Paramita Pati, Univ of Alabama Birmingham, Birmingham, AL; Jackson Colson, Luke S Dunaway, Megan K Rhoads, David M Pollock, Jennifer S Pollock, Univ of Alabama at Birmingham, Birmingham, AL
- P314 **Sex-specific Role For The Circadian Clock Protein PER1 In Aortic Stiffness**
Ravindra K Sharma, Joshua Gomes, Annalisse Mckee, Kit-Yan Thomas Cheng, Hannah M Costello, Coll of Med, Univ of Florida, Gainesville, FL; Rajesh Mohandas, LSU Health Science Ctr NO, New Orleans, LA; Michelle L Gumz, Coll of Med, Univ of Florida, Gainesville, FL
- P315 **Angiotensin Ii Type 1a Receptor Expressed In Smooth Muscle Cells Is Required For Vascular Remodeling In Mice Infused With Angiotensin II**
Keiichi Torimoto, Temple Univ Sch of Medicin, Philadelphia, PA; Hymavathi Reddy Vari, Keisuke Okuno, Stephanie M Cicalese, Temple Univ, Philadelphia, PA; Satoru Eguchi, TEMPLE UNIVERSITY SCHOOL OF MEDICIN, Philadelphia, PA
- P317 **Methylene Blue Preserve The Microcirculation And Reduces Death In Rats Inflammation Models**
Pedro Dantas, FMRP-USP, ribeirao preto, Brazil; Fabiola Leslie Antunes Cardoso Mestriner, Rib. Preto, Brazil; Ariel Couto, Agnes Fagundes, FMRP-USP, ribeirao preto, Brazil; Jessyca Michelin Barbosa, FMRP-USP, RP, Brazil; Paulo Roberto Barbosa Evora, Ribeir?o Preto Faculty of Med, Ribeir?o Preto, SP, Brazil; Christiane Becari Ribeiro, FMRP- USP, Ribeirao Preto, Brazil; Mauricio Ribeiro, FMRP-USP, ribeirao preto, Brazil; Vinicius Flora, FMRP-USP, Sao Paulo, Brazil
- P318 **INDOLE-3 ACETIC ACID: A NOVEL DUAL-ACTION INHIBITOR OF THE ENDOTHELIN SYSTEM FOR TREATING HYPERTENSION**
Raquibul Hasan, Emmanuella Ezewudo, Farzana Zerine, Sreelakshmi Menon, Nimi Simon, Nader Moniri, Tro Thien Nguyen, Mahavir Bhupal Chougule, Mercer Univ, Atlanta, GA; Taufiq Rahman, Univ of Cambridge, Cambridge, United Kingdom
- P319 **Eliminating Cardiotoxicity In Alpha1-adrenergic Receptor Antagonists**
Chastity L Healy, Sara J Puccini, Ingrid R Aragon, Vasudeva Dodda, Ramaiah Muthyala, Yuk Sham, Timothy D O'Connell, Univ of Minnesota, Minneapolis, MN
- P320 **Novel Alpha-calcitonin Gene Related Peptide Agonist Analogs In The Treatment Of Cardiovascular Disease**
Amrith Kumar, Dept of Cell Biology and Anatomy, Sch of Med, Univ of South Carolina, Columbia, SC; Donald J Dipette, Dept of Internal Med, Sch of Med, Univ of South Carolina, Columbia, SC; Jay D Potts, Dept of Cell Biology and Anatomy, Sch of Med, Univ of South Carolina, Columbia, SC
- P321 **<RKER-012, A Novel Activin Receptor Type IIb (actrlIb) Ligand Trap, Inhibited Mediators Of Dysregulated Vascular Remodeling In Pulmonary Arterial Endothelial And Smooth Muscle Cells>**
Emily A Ledoux, Alana Gudelsky, Claire C Tseng, Jasbir Seehra, Jennifer L Lachey, Keros Therapeutics, Lexington, MA
- P322 **Absorption, Metabolism, And Elimination Of Nonsteroidal Mineralocorticoid Receptor Antagonist Ocedurenone In Humans**

Fred Yang, KBP Biosciences, Princeton, NJ; Judy Tan, James McCabe, Jinan; Jinrong Liu, Ping Wang, KBP Biosciences Co., Ltd, Jinan, China; Jay Zhang, KBP Biosciences, Princeton, NJ

- P323 **Going Beyond Spot 30-minute Nocturnal Blood Pressure (bp) Check With The Continuous Nocturnal Bp Monitoring**
Osayd Assad, Univ of Washington, Seattle, WA; Tasneem Amro, Jamie Sapp, Yeilim Cho, Bellevue, WA; Xue-Qiao Zhao, Sula Mazimba, Univ of Virginia, Charlottesville, VA; Younghoon Kwon, Seattle, WA
- P324 **Hypertension As A Predictor Of Sleep Disturbances Among Adults In The National Health Interview Survey (2013-2018)**
Diana L Baptiste, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Ruth-Alma N Turkson-Ocran, Beth Israel Deaconess Medical Ctr, Boston, MA; Oluwabunmi V Ogungbe, Johns Hopkins Univ, Baltimore, MD; Binu Koirala, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Marian Botchway, Assistant Director | Eck Inst for Global Health, Baltimore, MD; Faith Metlock, Xiaoyue Liu, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Serina Gbaba, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Cheryl R Dennison, Johns Hopkins Univ Sch of Nursing, Baltimore, MD; Yvonne Commodore-Mensah, Johns Hopkins Univ Sch of Nursing, Baltimore, MD
- P325 **Early Insights From A Self-measured Blood Pressure Program In A Socially And Economically Disadvantaged Primary Care Population**
Omar Cantu Martinez, Maria Hartley, Einstein Healthcare Network, Philadelphia, PA; Audry Chacin Suarez, Mayo Clinic, Jefferson-Einstein, Philadelphia, PA; Samir Shah, Einstein Healthcare Network, Philadelphia, PA; Jordan Rodriguez, Drexel Univ Dornsife Sch of Public Health, Philadelphia, PA; Matthew Behme, Joshua A Copeland, Einstein Healthcare Network, Philadelphia, PA
- P326 **Engaging Patients In Home Blood Pressure Monitoring**
Beverly B Green, Kaiser Permanente Washington, Seattle, WA; Phil Haas, Patient Partner, Seattle, WA; Laurel Hansell, Clarissa W Hsu, Kaiser Permanente Washington, Seattle, WA; Tae Jone, Univ of Washington Sch of Human Ctred Design and Engineering, Seattle, WA; Casey Luce, Kaiser Permanente Washington, Seattle, WA; Sean Munson, Univ of Washington Sch of Human Ctred Design and Engineering, Seattle, WA; James Ralston, Kaiser Permanente, Seattle, WA
- P327 **“The More Data, The Better”:** Patient Experiences With Blood Pressure Measurement For Hypertension Diagnosis
Laurel Hansell, Kaiser Permanente Washington Health Res Inst, Seattle, WA; Clarissa Hsu, Sean Munson, KPWHRI, Seattle, WA; Karen L Margolis, HEALTHPARTNERS INSTITUTE, Minneapolis, MN; Matthew Thompson, Yoshio Hall, Dept of Family Med, Seattle, WA; Melissa Anderson, Kelly Ehrlich, Kaiser Permanente Washington, Seattle, WA; Jennifer McClure, KP WA Health Res Inst, Seattle, WA; **Beverly B Green**, Kaiser Permanente Washington, Seattle, WA
- P328 **A Retro And Prospective Review Of Within Session Clinic Bp Assessment In Hypertension Clinical Trials**
Jeffrey Heilbraun, Luc Dekie, Calvin Connor, Todd Rudo, Clario., Philadelphia, PA
- P330 **Two Rodent Models Of Augmented 24-hour Blood Pressure Variability Showing Similar Pathophysiological Features: Rats Infused With Norepinephrine Or Angiotensin II**

Johji Kato, UNIVERSITY OF MIYAZAKI, Miyazaki, Japan; Minami Matsuzaki, Danfeng Jiang, Univ of Miyazaki, Miyazaki, Japan

- P331 **Cumulative Hypertensive Peaks In 24h Blood Pressure And Cardiovascular Risk**
Jesus D. Melgarejo, Inst of Neuroscience, Univ of Texas Rio Grande Valley, Harlingen, TX; Luis J. Mena, Univ Politecnica de Sinaloa, Mazatlan, Mexico; Kristina P. Vatcheva, Sch of Mathematical and Statistical Science, Univ of Texas Rio Grande Valley, Brownsville, TX; Jose A. Garcia, Inst of Human Genetics, Univ of Texas Rio Grande Valley, Brownsville, TX; Claudia L Satizabal, UT Health San Antonio, San Antonio, TX; Carlos A. Chavez, Inst of Neurosciences / Univ of Zulia, Maracaibo, Venezuela, Bolivarian Republic of; Rosa V. Pirela, Inst of Neuroscience, Univ of Texas Rio Grande Valley, Harlingen, TX; Egle Silva, Fundacion Venezolana de Hipertensio, Maracaibo, Venezuela, Bolivarian Republic of; Gustavo Calmon, Cardiovascular Inst, Univ of Zulia, Maracaibo, Venezuela, Bolivarian Republic of; Joseph Lee, Columbia Univ, New York, NY; Joseph Terwilliger, Div of Medical Genetics, New York State Psychiatric Inst, New York, NY; Sudha Seshadri, The Glenn Biggs Inst for Alzheimer's and Neurodegenerative Diseases, Univ of Texas Health Sciences Ctr, San Antonio, TX; Gladys E. Maestre, Inst of Neuroscience, Univ of Texas Rio Grande Valley, Harlingen, TX
- P332 **Asynchronous Management Of Hypertension: The Effectiveness Of Remote Patient Monitoring In Mixed Populations**
Wesley Smith, HealthSnap/Univ of Miami, Miami, FL; Dean Caven, Virginia Cardiovascular Specialists, Mechanicsville, VA; Alex Ewing, Andrew Albano Jr., Prisma Health, Greenville, SC
- P333 **Self-measured Blood Pressure Monitoring During The Covid-19 Pandemic Among Persons Living In Rural Areas**
Adam S. Vaughan, Jing Fang, Hilary Wall, Fatima Coronado, CDC, Atlanta, GA
- P334 **Comparing A Cuffless Device With Traditional Home Blood Pressure Monitoring In A Remote Hypertension Management Program: Primary Results Of The COOL-BP Study**
Naomi Deirdre Fisher, Simin Lee, Ozan Unlu, Brigham and Women's Hosp, Boston, MA; David Perruchoud, Josep Sola, Jay Shah, Aktia, Neuchatel, Switzerland; Nicholas Chin, Christian Figueroa, Emma Collins, Ryan Ruggieroru, Dan Gabovitch, Brigham and Women's Hosp, Boston, MA; David Zelle, Mass General Brigham, Somerville, MA; Christopher P Cannon, Brigham and Womens Hosp, Boston, MA; Benjamin Scirica, Brigham and Women's Hosp, Boston, MA
- P335 **Patient Preferences For Renal Denervation In Uncontrolled Hypertension: The RADIANCE PREFER Study**
Naomi DL Fisher, The Brigham and Women's Hosp, Boston, MA; Roland E Schmieder, Univ Erlangen Nimberg, Erlangen; Jaemin Seo, Patient-Ctred Res, Evidera Ltd, Bethesda, MD; Dimitri A Augustin, Leslie A Coleman, Helen Reeve-Stoffer, ReCor Medical, Palo Alto, CA; Myrto Trapali, Kevin Marsh, Patient-Ctred Res, Evidera Ltd, London, United Kingdom
- P336 **Sodium, Potassium And Calories: Implications For Implementing A Recommended Diet In Adults With Hypertension. A Cross Sectional Analysis Of NHANES 1999-2020.**
Asad Cheema, Southern Illinois Univ Sch of Med, Springfield, IL; Michael Buhnerkempe, Vivek Prakash, Albert Botchway, SIU Sch of Med, Springfield, IL; Zachary Settlemyer, Springfield, IL; Kristin King, Southern Illinois Univ Sch of Med, Springfield, IL; Stephen Roy, Southern Illinois Univ Sch of Med, Springfield, IL, Broadwell, IL; Oritsegbubemi Adekola, Southern Illinois Univ Sch of Med, Springfield, IL; John M Flack, SIU SCHOOL MEDICINE, Springfield, IL

- P337 Blood Pressure And Retina Responses Of Malignant Hypertension Patients In The Rice Diet Program**
Pao-Hwa Lin, Duke Univ Medical Ctr, Durham, NC; David Alvaro Lopez, Duke Univ, Chapel Hill, NC; Jong La, Duke Univ Medical Ctr, Durham, NC; Yi-Ju Li, Duke Univ Sch of Med, Durham, NC; Friedrich C Luft, EXPERIMENTAL AND CLINICAL RESEARCH, Berlin; Francis Neelon, EXPERIMENTAL AND CLINICAL RESEARCH, Berlin, Durham, NC; Philip Klemmer, Duke, Chapel Hill, NC; Anthony Kuo, Duke, Chapel Hill, NC, Durham, NC; Scott Sanoff, Duke Univ Medical Ctr, Durham, NC
- P338 ASSOCIATION OF HYPERTENSION AND FOOD INSECURITY WITH DIETARY SODIUM AND POTASSIUM IN ADULTS**
Elizabeth Onugha, Ankona Banerjee, Baylor Coll of Med, Houston, TX; Horahenage Dixon Vimalajeewa, Texas A & M Univ, College Station, TX; Jayna Dave, BAYLOR COLLEGE OF MEDICINE, Houston, TX; Susan B Racette, Arizona State Univ, Phoenix, AZ
- P339 Association Between Self-monitored Blood Pressure, Heart Rate, And Anxiety Symptoms In A Digital Heart Health Self-management Program**
Yehuda Edo Paz, Vedant Satish Pargaonkar, Brian J Roach, Hello Heart Inc, Menlo Park, CA; Michael S Jacob, Univ of California, San Francisco, San Francisco, CA
- P340 Codonopsis Lanceolata Extract Prevents Metabolic And Cardiovascular Alterations In Short-term High-fat/high-fructose Diet-fed Adolescent Rats**
Geun Hee Seol, Yoo Jin Kim, You Kyoung Shin, Uihwan Kim, Jubin Park, Soyoung Kim, KOREA UNIVERSITY, Seoul, Korea, Republic of
- P341 Age Differences In The Impact Of Dietary Salt On Blood Pressure In Male Rats**
Fen Sun, Jin-Yang Zhang, Qi Jin, Qiu-Xiang Wang, Lu-Ping Zhao, Chao Jin, Jun-Tao Xu, Meng-Jia Yin, Hangzhou Normal Univ, Hangzhou, China
- P342 Acute Nasal Breathing Lowers Blood Pressure And Increases Parasympathetic Contributions To Heart Rate Variability In Young Adults**
Joseph C Watso, Jens N Cuba, Savannah L Boutwell, Justine Moss, Allison K Bowerfind, Isabela M Fernandez, Jessica M Cassette, Allyson M May, Katherine F Kirk, Florida State Univ, Tallahassee, FL
- P343 A Correlational Study On Spiritual And Religious Well-being, Social Determinants Of Health, And Self-efficacy For Appropriate Medication Use Among African- American Women With Hypertension**
Tracie L Augusta, Univ of Memphis, Olive Branch, MS; Annapoorna Mary, Lee Sohye, Univ of Memphis Lowenberg Coll of Nursing, Memphis, TN; Fawaz Mzayek, The Univ of Memphis, Memphis, TN; Christy Woodbury-Moore, Memphis Theological Seminary, Memphis, TN
- P344 Effect Of Covid-19 Pandemic On Disparities In Blood Pressure Control In A Regional Healthcare System In Pennsylvania**
Andrei Bucaloiu, Geisinger, Danville, PA; Vida Abedi, The Pennsylvania State Univ, Hershey, PA; Venkatesh Avula, Jason P Brown, Mohamed F Taher, **Alexander Chang**, Geisinger, Danville, PA

- P345 **CONCOMITANT HYPERTENSION AND DYSLIPIDEMIA PATIENTS TREATED EITHER FIXED-DOSE OR FREE-COMBINATION AMLODIPINE AND ATORVASTATIN**
Pao Hsien Hsien Chu, Chia-Pin Lin, CHANG GUNG MEMORIAL HOSPITAL, Taipei, Taiwan
- P346 **Patient Characteristics Related To Medication Adherence In A Nationwide Pragmatic Trial Comparing Thiazide-type Diuretics**
Colleen Hynes, VA Boston Healthcare System, Boston, MA; Cynthia Hau, VA Boston Healthcare system, Boston, MA; Patricia Woods, VA Boston Healthcare system, Boston, MA, Holliston, MA; Sarah Leatherman, VA Boston Healthcare system, Boston, MA, Holliston, MA, Boston, MA; Peter Glassman, VA Boston Healthcare system, Boston, MA, Holliston, MA, Boston, MA, Los Angeles, CA; Addison Taylor, Houston VAMC, Houston, TX; William C Cushman, Univ of Tennessee Health Scie, Memphis, TN; AREEF Ishani, Minneapolis VA Health Care System, Minneapolis, MN
- P347 **Utility Of Standing Blood Pressure On Blood Pressure Control In Treated Hypertension**
Weerapat Kositanurit, Chulalongkorn Univ, Bangkok, Thailand; John M Giacona, UT Southwestern Medical Ctr, Dallas, TX; Jijia Wang, UT Southwestern Medical Ctr, Dallas, TX, Dallas, TX; Wanpen Vongpatanasin, UNIVERSITY TX SOUTHWESTERN MED, Dallas, TX
- P348 **Utilizing A Whatsapp Community To Enhance Hypertension Control And Address Misconceptions Among Patients With High Blood Pressure**
ALBEN SIGAMANI, NUMEN HEALTH, BANGALORE, India
- P350 **Longitudinal And Summary Blood Pressure Measures And Clinical Decision-making Around Antihypertensive Therapeutic Intensification**
Ben Martin, Greenville, SC; Susan E. Sutherland, American Medical Association, Greenville, SC; Michael Rakotz, American Medical Association, Greenville, SC, CHICAGO, IL; **Brent M Egan**, American Medical Association, Greenville, SC
- P351 **Clinician Continuity And Confirmatory Blood Pressure Measurement Lead To Higher Rates Of Antihypertensive Therapeutic Intensification**
Ben Martin, Greenville, SC; Susan E. Sutherland, American Medical Association, Greenville, SC; Michael Rakotz, American Medical Association, Greenville, SC, CHICAGO, IL; **Brent M Egan**, American Medical Association, Greenville, SC
- P352 **High Rates Of Hypertension Control Require Mean Systolic Blood Pressure 10 Mm Hg Or More Below Target.**
Brent M Egan, Susan E. Sutherland, American Medical Association, Greenville, SC; Ben Martin, Greenville, SC; Michael Rakotz, Greenville, SC, CHICAGO, IL
- P353 **Greater Access To Care And Use Of Antihypertensive Medications Explain Lower Blood Pressures And Better Control In Statin-treated Than Statin-eligible Untreated Adult**
Brent M Egan, American Medical Association, Greenville, SC; Jiexiang Li, Mount Pleasant, SC; Susan E. Sutherland, American Medical Association, Greenville, SC; Michael Rakotz, American Medical Association, Greenville, SC, CHICAGO, IL
- P354 **Leveraging Electronic Health Records For Quality Improvement Among Patients With Markedly Elevated Blood Pressure**

Yuan Lu, Yale Univ, New Haven, CT; Yuntian Liu, Yale Sch of Med, New Haven, CT; Harlan M Krumholz, Yale Univ, New Haven, CT; Scott Sussman, Ohm Deshpande, Yale New Haven Hosp, New Haven, CT

P355 Random-effects Modeling Of Implicit Differences Between Patients, Clinicians, And Institutions And Antihypertensive Therapeutic Intensification

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P356 Hypertension Trends And Disparities Over Twelve Years In A Large Health System: Leveraging The Electronic Health Records

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P357 Hypertension At Rural Worksites - An Ongoing Problem

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P359 Resident Management Of Hypertensive Urgency

Paul Y Lee, Kajol Shah, Tharakeswari Selvakumar, Aaron Plosker, Rohan Viswanathan, Rutgers New Jersey Medical Sch, Newark, NJ; Kyrollos Saad, Garwood, NJ; DANIEL MATASSA, Garwood, NJ, Newark, NJ

P360 Comparative Analysis Of Hypertension Knowledge: ChatGPT Vs. General Public

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P361 Performance Of A Digital, Mobile, On-demand Hypertension Health Worker Training Course In Nigeria

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P362 Length Of Stay Discrepancies Between Rural And Urban Hospitals - A Cross Sectional Analysis Of Cardiovascular Disease Health Inequity

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- P363 **Design And Implementation Of A Technology-Powered Cross-Sector Collaborative To Improve Hypertension Control**
Kyna Shine, Jesa Rivera De Jesus, Aniekan Ebitu, American Heart Association, Dallas, TX; Brittany Sachs, Gillian Feldmeth, Lindsay Hebert, Halima Ahmadi-Montecalvo, Unite Us, New York, NY
- P364 **Qian Yang Yu Yin Granule (QYYYG) Treats Cardiac Hypertrophy In Spontaneously Hypertensive Rats By Improving Mitochondrial Function**
Yuan Fang, Jiangsu Province Hosp of Chinese Med, Nanjing, China; Yawei Zheng, Nanjing Univ of Chinese Med, Nanjing, China; Kang Ding, Nanjing Hosp of Chinese Med, Nanjing, China; Ke Yang, Nanjing Univ of Chinese Med, Nanjing, China
- P365 **Left Ventricular Hypertrophy In Hypertension-correlation Of Electrocardiography Criteria, Echocardiography And Myocardial Strain Imaging**
Uday M Jadhav, MGM NEW BOMBAY HOSPITAL, New Mumbai, India; Vaidehi S Khilari, P D Hinduja Hosp, Mumbai, India
- P366 **Natriuretic Peptides Potentiate Cardiac Hypertrophic Response To Norepinephrine In Rats**
Johji Kato, Danfeng Jiang, Minami Matsuzaki, Takanori Ida, UNIVERSITY OF MIYAZAKI, Miyazaki, Japan; Toshihiro Tsuruda, UNIVERSITY OF MIYAZAKI, Miyazaki, Japan
- P367 **Evaluation Of Left Ventricular Pulsatile Workload In Heart Failure With Preserved Ejection Fraction Using A Single Pressure Waveform Form Framingham Heart Study**
Soha Niroumandi, Univ of Southern California, Los Angeles, CA; Aaron Wolfson, Ajay Vaidya, Los Angeles, CA; Niema M Pahlevan, Univ of Southern California, Los Angeles, CA
- P368 **A Case Of Cardiac Arrest In A Healthy 21-year-old Man Due To Ischemic Cardiomyopathy**
ALI Rahman, Memorial Healthcare system, Pembroke Pines, FL; Sura Alqaisi, Memorial Healthcare system, PEMBROKE PINES, FL
- P369 **The Role Of Primary Cilia In The Pathogenesis And Therapy Of Hypertension In Polycystic Kidney Disease.**
Wissam A Aboualaiwi, UNIVERSITY OF TOLEDO, Toledo, OH; Hannah C. Saternos, Colorado Univ, Anschutz, CO; Kathleen Forero, Univ of Toledo, Toledo, OH; Raghad J Buqaileh, UNIVERSITY OF TOLEDO, Avon Lake, OH; Islam Osman, William S Messer, Univ of Toledo, Toledo, OH
- P370 **Progranulin Regulates Vascular Function And Blood Pressure Dependent On Ephrin A2 And Sortlin1 Receptors And Nitric Oxide Production.**
Ariane Bruder do Nascimento, Pittsburgh, PA; Wanessa Awata, Juliano Alves, Univ of Pittsburgh, Pittsburgh, PA; Shubhnita Singh, UNIVERSITY OF PITTSBURGH, Pittsburgh, PA; Rafael Costa, UNIVERSITY OF PITTSBURGH, Pittsburgh, PA, Brazil; **Thiago Bruder**, Univ of Pittsburgh, Pittsburgh, PA
- P371 **Oral Delivery Of Kidney Targeting Nanotherapeutics For Polycystic Kidney Disease**
Eun Ji Chung, Univ of Southern California, Los Angeles, CA
- P372 **Global Burden Of Chronic Kidney Disease Due To Hypertension In 38 Oecd Countries: A Benchmarking Analysis For The Global Burden Of Disease Study 2019**
Maulik Dhanani, Southwestern Univ, Sch of Med, Cebu, Philippines; Yashkumar G Kamani, Cagayan State Univ., Cagayan, Philippines; Mihir Vanodia, Matias H. Aznar memorial college of

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- P373 **Nuclear Receptor 4As (NR4A) Expression In Patients With Chronic Kidney Disease**
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- P374 **Greater Burden Of Chronic Kidney Disease Is Associated With Hypertension Prevalence And Management In South Africa**
Nasheeta Peer, South African Medical Res Council, Durban, South Africa; Andre-Pascal Kengne, South African Medical Res Council, Cape Town, South Africa
- P375 **Association Of Blood Pressure Variability With Kidney Function In Living Kidney Donors**
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- P376 **Collecting Duct Renin And Its Receptor Contributes To Unilateral Ureteral Obstruction-induced Kidney Injury Via Activation Of The Intrarenal Ras**
Tianxin Yang, Kevin Yang, Univ of Utah, Salt Lake City, UT; Fei Wang, Univ of utah, salt lake city, UT; Renfei Luo, Univ of Utah, Salt Lake City, UT
- P377 **Effect Of Treatment Of Denture Stomatitis On Blood Pressure, C-reactive Protein, Body Mass Index, And Lipid Profile.**
Adriana B. Ribeiro, Lorena M Clemente, Aline B Ribeiro, Caroline V Fortes, Univ of São Paulo, Ribeirao Preto, Brazil; Rubens Fazan Jr, Univ of São Paulo, Ribeirão Preto, Brazil; Helio C Salgado, Ribeirão Preto Medical Sch, Ribeirão Preto, Brazil; Cláudia H Silva, Univ of São Paulo, Ribeirao Preto, Brazil

- P378 Expression Of Micro-rna 221, 222 And 223 In Individuals Suffering From Ischemic Stroke Due To Hypertensive Emergency**
Jose F Vilela-Martin, JOSE FERNANDO V MARTIN, Sao Jose Rio Preto, Brazil; Days Oliveira de Andrade, Sao Jose do Rio Preto, Brazil; Luciana Cosenso-Martin Sr., INSTITUTO CARDIO ENDOCRINOLOGIA R P, S Jose Rio Preto, Brazil; Juan C Yugar Toledo Sr., ENDOCOR, Sao Jose Do Riio Preyo, Brazil
- P378.2 Association OfFoxo3Longevity Genotype And Late-life Hypertension With Alzheimer'S Disease And Vascular Dementia**
Brian J Morris, UNIVERSITY SYDNEY, KUAKINI MEDICAL CENTER, AND UNIVERSITY OF HAWAII, Sydney, Australia; Randi Chen, KUAKINI MEDICAL CENTER, Honolulu, HI; Timothy A. Donlon, KUAKINI MEDICAL CENTER, AND UNIVERSITY OF HAWAII, Honolulu, HI; Webster Ross, UNIVERSITY OF HAWAII, VETERANS AFFAIRS PACIFIC ISLANDS HEALTHCASE SYSTEMS, PACIFIC HEALTH RESEARCH AND EDUCATION INSTITUTE, Honolulu, HI; Kalpana Kallianpur, Bradley J. Willcox, KUAKINI MEDICAL CENTER, AND UNIVERSITY OF HAWAII, Honolulu, HI; Richard C. Allsopp, UNIVERSITY OF HAWAII, Honolulu, HI; Kazuma Nakagawa, KUAKINI MEDICAL CENTER, UNIVERSITY OF HAWAII, AND QUEEN'S MEDICAL CENTER, Honolulu, HI; Kamal H. Masaki, KUAKINI MEDICAL CENTER, AND UNIVERSITY OF HAWAII, Honolulu, HI
- P378.3 Vigorous Physical Activity And Incident Cognitive Impairment In Hypertension: Findings From The Systolic Blood Pressure Intervention Trial - Memory And Cognition In Decreased Hypertension (sprint Mind) Study**
Richard Kazibwe, Wake Forest Univ, Winston Salem, NC; Christopher L Schaich, Wake Forest Univ Sch of Med, Winston Salem, NC; Muhammad Ahmad, Wake Forest Univ Sch of Med, Winston Salem, NC, Milwaukee, WI; Juliana H Namutebi, Isabella Epiu, Wake Forest Univ, Winston Salem, NC; Timothy M Hughes, Michael Shapiro, Winston Salem, NC; Joseph Yeboah, WAKE FOREST UNIVERSITY, Winston Salem, NC
- P379 Acute Mineralocorticoid Receptor Antagonism Does Not Alter Insulin Sensitivity Or Secretion In Metabolic Syndrome**
Taopheeq A Mustapha, Nashville, TN; Robert Manning, VUMC, Nashville, TN; **James M Luther**, VANDERBILT UNIV MED CTR, Nashville, TN
- P380 Impact Of The Smoking Paradox On Outcomes Of Hypertensive Emergencies**
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- P381 Impact Of The Obesity Paradox On Outcomes Of Hypertensive Emergencies**
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- P382 Long-term Consequences Of Early Childhood Obesity In The Endothelial And Erectile Function Of Male Rats**
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P383 The Renal Mechanisms Involved In The Response To Salt Intake Are Sex Related In Mice.
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P384 Cytochrome P450 1B1-Testosterone Metabolite 6 β -Hydroxytestosterone Promotes Ang II-induced Hypertension And Neuroinflammation Via Group IV Cytosolic Phospholipase A 2α In Paraventricular Nucleus Of Male Mice
Chi Young Song, Ji Soo Shin, Purnima Singh, Univ of Tennessee HSC, Memphis, TN; Shubha Ranjan Dutta, Univ of Tennessee Health Scie, Memphis, TN; Kafait U Malik, Univ of Tennessee, Memphis, TN

P385 Sex-specific Long Non-coding Gene Expression In Rat Nephron Segments
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P386 Rat Remap Initiative At The Rat Genome Database (RGD): A Resource Of Integrated Transcriptomic And Epigenomic Data For Laboratory Rats
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P387 FOXO3 Longevity Genotype Mitigates The Risk Of Coronary Heart Disease In Men With Hypertension
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P388 Thumbs Down: A Rare Familial Cause Of Hypertension Associated With Brachydactyly
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P389 Prevalence Of Hypertension In A Stemi-activated Subset Of Patients From 2019 To 2021
Rebekah Lantz, Premier Health Network, Dayton, OH; Dylan Hefner, Boonshoft Sch of Med, WSU, Lima, OH; Casey Walk, Wright State Univ, Dayton, OH; Srikanth Sadhu, Premier Cardiovascular Inst, Dayton, OH

P390 E-value Over P-value And Its Adjustments: Improving Dna Methylation Analysis With An Application To Hypertension Studies

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P391 Cellular Camp Nanoarchitecture-signaling Changes Cause Hypertension With Brachydaetyly

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P392 Prdm6 Is An Embryonic Regulator Of Renin-producing Cells And Its Loss Of Function Causes Hypertension In Humans

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P393 Uromodulin Genotype And Response To Loop Diuretics - The BHF UMOD Genotype Blinded Trial

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P395 Clozapine Treatment For Schizophrenia May Cause Salt-sensitive Hypertension By Reducing The Expression Of The Renal Dopamine D4 Receptor

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P396 Blood Pressure Of Individuals With Salt Sensitivity But Not Salt Resistance Is Increased After Acute Na⁺ Loading

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- P397 **Preservation Of Renal Microvascular Function In Ischemia-reperfusion Induced Kidney Injury In Rats**
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- P398 **Reduced Expression Of Nfatc1 Protects Against Salt-sensitive Hypertension In Mice**
Yves T Wang, Nhu Nguyen, Luan Le, Univ of Rochester Medical Ctr, Rochester, NY; Nora Franceschini, UNIVERSITY NORTH CAROLINA, Chapel Hill, NC; Thu H Le, Univ of Rochester Medical Ctr, Rochester, NY
- P399 **High Salt Induced Mitochondrial Uncoupling And Enhanced Respiratory Activity In Isolated Proximal Tubules From Dahl Salt-sensitive Rats**
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- P400 **Effects Of Time Restricted Feeding On Blood Pressure And Urine Output**
Lauren E Yunker, Adaysha C Williams, Amanda M Marks, Alison J Kriegel, Medical Coll of Wisconsin, Milwaukee, WI
- P401 **Caveolin-1 And Flotillin-1 Facilitates The SNX19-mediated D₁R Endocytosis**
Bibhas Amatya, The George Washington Univ Sch of Med and Health Sciences, Washington, DC; Jian Yang, Univ of Maryland Sch of Med, Baltimore, MD; Prasad Konkalmatt, Laureano Asico, Ines Armando, The George Washington Univ Sch of Med and Health Sciences, Washington, DC; Robin Felder, Univ of Virginia Health Sciences Ctr, Charlottesville, VA; Pedro A Jose, Hewang Lee, The George Washington Univ Sch of Med and Health Sciences, Washington, DC
- P402 **Trends In Hypertension Phenotypes Over The Lifespan**
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- P403 **Prevalence And Incidence Of Dyskalemia In Adults With Hypertension Initiating Fixed-dose Combination Treatment Of Telmisartan And Amlodipine In Bangladesh: Findings From The OK Study**
Junichi Ishigami, Johns Hopkins Univ, Baltimore, MD; Md. Mahmudul Hasan, Aruna Sarker, Sharmin Nahar, Md. Sibly Sadik Shuvo, Mir Ishraquzzaman, Mohammad Abdullah Al Mamun, Md. Kalimuddin, Sheikh Mohammad Mahbus Sobhan, Dept of Epidemiology & Res, Natl Heart Fndn Hosp and Res Inst, Dhaka, Bangladesh; Di Zhao, Johns Hopkins Univ, Baltimore, MD; Kuni Matsushita, Lawrence J Appel, JOHNS HOPKINS UNIVERSITY, Baltimore, MD; Sohel Reza Choudhury, Dept of Epidemiology & Res, Natl Heart Fndn Hosp and Res Inst, Dhaka, Bangladesh; Edgar R Miller II, JOHNS HOPKINS MEDICAL INSTITUTIONS,

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P404 Statewide Burden Of Ischemic Heart Disease Attributable To High Blood Pressure In United States From 1990-2019: A Benchmarking And Comparative Analysis For The Gbd 2019

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P405 Outcomes And Trends Of Hypertensive Crisis In Patients Aged 40 Years Or Younger: Results From National Inpatient Sample 2016-2020

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P406 Aprocitantan, A Novel Endothelin Receptor Antagonist, In Older Patients With Difficult-to-control Hypertension

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P407 Increased Secretion Of Glucose Dependent Insulinotropic Polypeptide Is Associated With Postprandial Hypotension In Patients With Parkinson Disease

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P408 Treatment Of Orthostatic Hypotension With Pyridostigmine: Relevance To Supine Hypertension

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P409 Angiotensin Ii Activates At1a Receptors In Sfo-pvn-dmv To Modulate The Autonomic Nervous System And Immune System In Hypertension

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P410 A Novel Method For The Analysis Of Renal Sympathetic Nerve Activity From Multi-fiber Nerve Recordings

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P411 Significance Of The Nav 1.8. Voltage-gated, Tetrodotoxin-resistant Sodium Channel For The Renal Sensory Innervation In Mice And Rats

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P412 Microglia Via P2y₁₂ Transmit Hemodynamic Signal To Promote Sympathetic Activation In Hypertension

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P413 Association Between Supine Hypertension And Autonomic Impairment In Patients With Autonomic Failure

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P414 Cytomegalovirus, Hypertension, And Oxidative Stress: Is There A Connection?

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P415 Interleukin-17a And Incident Hypertension In

The Reasons For Geographic And Racial Differences In Stroke (REGARDS) Study

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P416 Differences In Immune Cell Composition And Response Between Spontaneously Hypertensive Bpn/2 Mice And Normotensive Bpn/3 Mice

Cheryl Rockwell, Paiton McDonald, Afrin Chowdhury, Saamera Awali, Yining Jin, Allison Boss, Lisa Sather, Adam A Lauver, Michigan State Univ, East Lansing, MI

- P417 **Proinflammatory Cytokine Production By Activated T Cells Cultured In PVAT-conditioned Media From Dahl S Rats On A High Fat Diet Correlates With The Development Of Hypertension**
Yining Jin, Michigan State Univ, East Lansing, MI; Barbara Christian, Michigan State Univ, East LANSING, MI; Adam A Lauver, **Cheryl Rockwell**, Michigan State Univ, East Lansing, MI
- P418 **Antigen-presenting Cell-specific MAP-kinase Signaling Contributes To Inflammation And Salt-sensitivity Of Blood Pressure In Humans**
Mohammad Saleem, Vanderbilt university medical cente, Nashville, TN; Lale Ertuglu, Nashville, TN; Ashley Pitzer Mutchler, Vanderbilt Univ Medical Cente, Nashville, TN; Cheryl L Laffer, Annet Kirabo, VANDERBILT U SCHOOL of MEDICINE, Nashville, TN
- P419 **First-Trimester Maternal Hemodynamics In Patients With Or Without Chronic Hypertension Using USCOM (ultrasound Cardiac Output Monitor), A Non-invasive And Quantitative Method.**
Hyunyoung Ahn, Pouya Abhari, Univ of Miami, Miami Beach, FL; Anna Sfakianaki, Univ of Miami, Miami, FL; Yalda Zarnegarnia, Daniela Cosio, Univ of Miami, Miami Beach, FL; Maria C Delgado-Lelievre, Univ of Miami Medical Sch, Doral, FL; Michael Paidas, Univ of Miami, Miami Beach, FL
- P420 **Changes In Cardiac Oxidative Stress Is Protected In Intrauterine Growth Restricted Females Vs Males Before The Development Of Hypertension And Cardiovascular Disease**
Angie Castillo, UNT Health Science Ctr, Fort Worth, TX; Jonna Smith, Savanna Smith, Univ of North Texas HSC, Fort Worth, TX; Kylie Jones, UNT Health Science Ctr, Fort Worth, TX
- P422 **CD4+ T Cells From Preeclamptic Patients During Pregnancy Causes Cognitive Dysfunction Postpartum In A Pregnant Rat Model**
Evangeline M Deer, Owen Herrock, Kimberly Simmons, Rachael Morris, Richard J Roman, Ty Turner, Lorena M Amaral, Babbette B Lamarca, Univ of Mississippi Medical Ctr, Jackson, MS
- P423 **INCREASED LEVELS OF URINARY ANGIOGENIC FACTORS AND MARINOBUFAGENIN IN PREECLAMPSIA PATEINT**
Sara Mohamed, India Morgan, Baylor Scott and White Medical Ctr, Temple, TX; Ahmed Pantho, Texas A&M, College station, TX; Niraj Vora, Thomas Kuehl, Baylor Scott and White Medical Ctr, Temple, TX; David Zawieja, Texas A&M university school of medicine, Bryan college station, TX; Madhava Beeram, Baylor Scott and White Medical Ctr, Temple, TX; Mohammad Uddin, Texas A&M university school of medicine, Bryan college station, TX
- P424 **Postpartum Blood Pressure Trajectories After Hypertensive Disorders Of Pregnancy**
Emu Mujic, BOSTON UNIVERSITY SCH PUBLIC HEALTH, Boston, MA; Julie Petersen, MA DEPT PUBLIC HEALTH, Boston, MA; Kerrie Nelson, BOSTON UNIVERSITY SCH PUBLIC HEALTH, Boston, MA; Idalis Chestnut, BOSTON UNIVERSITY SCH PUBLIC HEALTH, Boston, MA, Boston, MA; Christina Yarrington, BOSTON MEDICAL CENTER, Boston, MA; Samantha Parker, BOSTON UNIVERSITY SCH PUBLIC HEALTH, Boston, MA
- P425 **Peripartum Cardiomyopathy And Other Cardiac Events In Pregnant And Postpartum Patients With Mood Disorders**

Rachel Harrison MD, Blake Neuburg, **Anna Palatnik**, Medical Coll of Wisconsin, Milwaukee, WI

- P426 **Novel Peptide B7-33 Demonstrates Efficacy In Rat Models Of Preeclampsia**
Ahmed F Pantho, TAMU SOM, College Station, TX; Lorena Amaral, The Univ of Mississippi Medical Ctr, Jackson, MS; Syeda Afroze, Orion Inst for Translational Med, Temple, TX; Niraj Vora, Baylor Scott & White Health, Temple, TX; Thomas J Kuehl, Orion Inst for Translational Med, Temple, TX; David C Zawieja, TAMUS HEALTH SCI CENTER, College Station, TX; Birdie B LaMarca, The Univ of Mississippi Medical Ctr, Jackson, MS; Mohammad N Uddin, TAMU SOM BSWH, College Station, TX
- P427 **Effects Of Sedentary Activity In Pregnancy**
Donna A Santillan, Kelsey Blocklinger, Emily Leibold, UNIVERSITY OF IOWA, Iowa City, IA; Debra Brandt, Univ of Iowa, Iowa City, IA; Virginia Nuckols, UNIVERSITY OF IOWA, Iowa City, IA; Amy Stroud, Univ of Iowa Hosp, Iowa City, IA; Lyndsey E Dubose, Univ of Iowa Hosp, Iowa City, IA, Denver, CO; Rachel Luehrs, UNIVERSITY OF IOWA, Iowa City, IA; Alexandria Betz, UNIVERSITY OF IOWA, Iowa City, IA, Iowa City, IA; Gary L Pierce, UNIVERSITY OF IOWA, Iowa City, IA; Mark K Santillan, UNIVERSITY IOWA CARVER COLL MED, Iowa City, IA
- P428 **Angiotensin II Type 1 Receptor-associated Protein Deletion Combined With Angiotensin II Stimulation Exacerbates Diabetic Kidney Disease In C57BL/6 Mice**
Kengo Azushima, Shinya Taguchi, Hiromichi Wakui, Yokohama City Univ, Yokohama, Japan; Kouichi Tamura, YOKOHAMA CITY UNIV SCH OF MED, Yokohama, Japan
- P429 **Human Renal Proximal Tubule Cell Paracrine Production Of Dopamine Is Increased In High Sodium Stress And Reduced In Dopamine D₁ Receptor Uncoupled Cells**
John J Gildea, UNIVERSITY OF VIRGINIA, Charlottesville, VA; Quay Parrott, Marshall Carson, Collin Marino, Robin Felder, Univ of Virginia, Charlottesville, VA
- P430 **Primary Neuronal Cilium As A Novel Mediator Of Angiotensin II And Hypertension**
Deng-Fu Guo, Samantha H Amundson, Jeffery Anders, THE UNIVERSITY OF IOWA, Iowa City, IA; Kamal Rahmouni, UNIVERSITY IOWA, Iowa City, IA
- P431 **SARS-CoV-2-induced Inflammation In Human Endothelial Cells Involves ACE2**
Augusto C Montezano, McGill Univ Health Ctr, Montreal, QC, Canada; Livia L Camargo, McGill Univ Health Ctr, Montreal, QC, Canada; Sheon Mary, Univ of Glasgow, Glasgow; Francisco J Rios, Ying He, McGill Univ Health Ctr, Montreal, QC, Canada; Rhian M Touyz, McGill Univ, Montreal, QC, Canada
- P432 **CTRP1 Contributes To Angiotensin II-Induced Hypertension Via Activation Of Intrarenal Renin**
Fei Wang, UNIVERSITY OF UTAH, Salt Lake Cty, UT; Huaqing Zheng, Salt Lake City, UT; Alex Yang, UNIVERSITY OF UTAH, Salt Lake Cty, UT; Tianxin Yang, UNIVERSITY UTAH, Salt Lake City, UT
- P433 **Evidence For An Important Role Of AT1a Receptors In The Renomedullary Interstitial Cells In Basal Blood Pressure Homeostasis And The Development Of Angiotensin II-induced Hypertension**
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P434 Insights Into Blood Pressure Control In Primary Aldosteronism Using Physiological Modeling

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P435 Barriers For Secondary Hypertension Screening In The Us: A National Physician Survey

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P436 Increased West Nile Virus Infection And Pathology In The Spontaneously Hypertensive Rat

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