## Poster Session 1

**Trainee Advocacy Committee Competition and Reception**

**Thursday, September 7, 5:30 – 7:00 PM**

*Reception/Light Snacks*

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**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

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.

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
P107  **High-throughput Screening Detects Thiazide-induced Prescribing Cascades.**

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 cente, Nashville, TN; Ashley Pitzer Mutchler, Vanderbilt Univ Medical Cente, 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 McCorrey, 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, Kurrim 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, Adviye 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
Qiongzi 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
P128 Detection Of Congenital Intrahepatic Vascular Shunt In C57BL/6 Mice

Beng San Yeoh, Rachel Golenka, 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 Spllettstoesser, 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 Ogungbe, 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 Ilaltovskaya, 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 Wmens 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

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 Kwapong, Beth Israel Deaconess Medical Ctr, Boston, MA; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

Anas Hashem, Amani Khalouf, Mohamed Salah Mohamed, Rochester General Hosp, Rochester, NY; Mahmoud Ismayl, Creighton 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
Suvinai Jiraboonsri, Jiraroch 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, Nekaylaa 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 Kwikte, 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
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

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; Sorouh Nomigolzar, East Carolina Univ, Greenville, NC; Oune Rasheed, Near East Univ, Cyprus, Cyprus

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, Cyprus

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; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA

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

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Addressing Hypertension And Aging In Growing Tribal Afro-pakistanian And Indigenous Migrant Populations In San Joaquin

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Prevalence And Incidence Of Hypertension In 18-40-year-old Patients Referred For Palpitations With Normal Cardiac Monitor Findings

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Hypertension Increases Susceptibility To Experimental Malaria In Mice

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Prebiotic Dietary Fiber Supplementation Attenuates Gut Microbiota Dysbiosis And Age-dependent Hypertension-driven Cognitive Impairment

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Hypertension And Diseases Associated With Gut Microbiome Alterations: Insights From The National Inpatient Sample (nis) From 2020

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Austin Le Vey, McClain Vail, Thuy-Linh Nguyen, Aaron Rodriguez, Nathaniel Spears, Jeffrey Houghton, Joseph Gigliotti, Liberty Univ Coll of Osteopathic Med, Lynchburg, VA

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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; Annet Kirabo, Vanderbilt Univ Medical Cente, WHITE HOUSE, TN
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Elizabeth Maria Hennen, Vanderbilt Univ, Nashville, TN; Wei Chen, Vanderbilt Medical Ctr, Franklin, TN; Nestor De La Visitacion VI, Sasidhar Uppuganti, Vanderbilt Univ Medical Cntr, Nashville, TN; Mingfang Ao, Vanderbilt Univ Medical Cntr, Nashville, TN; Jeffrey Nyman, Vanderbilt Univ medical Cntr, Nashville, TN, Nashville, TN; David G Harrison, VANDERBILT, Nashville, TN

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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 Pacholezyk, Medical Coll of Georgia, Augusta, GA; Eric J Belin De Chantemele, MEDICAL COLLEGE OF GEORGIA AT AU, Augusta, GA

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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

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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

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Shobana Navaneethabalakrishnan, Bethany Goodlett, Texas A and M Univ, Bryan, TX; Hannah Smith, Bryan, TX; Brett M Mitchell, TEXAS A M HEALTH SCIENCE CENTER, Bryan, TX

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Shobana Navaneethabalakrishnan, Bethany Goodlett, Texas A and M Univ, Bryan, TX; Hannah Smith, Bryan, TX; Brett M Mitchell, TEXAS A M HEALTH SCIENCE CENTER, Bryan, TX
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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 Cen, Nashville, TN

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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

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Cintia Vieira dos Santos, Rinaldo Rodrigues dos Passos, Olufunke Arishe, Univ of South Carolina, Columbia, SC; Hyeun 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

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Ariana Rauch, Hendrik Bartolomaeus, Alex Yarritu, Charite Univsmedizin, ECRC, Berlin, Germany; Lucas Steuerbecher, Charite Univsmedizin, Berlin, Germany; Valentin Vecera, Wibke Anders, Harithaa Anandakumar, Nicola Wilck, Charite Univsmedizin, ECRC, Berlin, Germany

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Sanya Ahmed, Michelle Zhu, Cyrus Behzadi, Max Kuster, Thaif Laskar, SUNY Downstate Coll of Med, Brooklyn, NY

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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 NURSIN, Baltimore, MD

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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

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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

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Mekayla Forrest, Maria Matossian, Helena Papacostas-Quintanilla, Tina Montreuil, Stella S Daskalopoulou, McGill Univ, Montreal, QC, Canada

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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
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P204  Acute Kidney Injury Prior To Pregnancy Induces Renal And Endothelial Dysfunction Which Predisposes Pregnant Rats To Adverse Pregnancy Outcomes
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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
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P207 Pravastatin Mitigates Hyperglycemia-Induced Cytotrophoblast Dysfunction
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P208 Cardiovascular Effects Of Antihypertensive Agents In A Rat Model Of Preeclampsia.
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P210 Sex Specific Changes In Cerebral Proinflammatory Cytokines In Intrauterine Growth Restricted Offspring
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Anna Palatnik, Medical Coll of Wisconsin, Mequon, WI; Alina Tvina, Medical Coll of Wisconsin, Milwaukee, WI

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Sihyun Jeon, Andrea Almada, Cesar A Romero, Emory Univ, Atlanta, GA

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

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*Brody A Smith*, USF Health Morsani Coll of Med, Tampa, FL; Lashodya Vindana Dissanayake, USF Health Morsani Coll of Med, 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

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**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 Stanchewicz, 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

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**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
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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, Brasilia, Brazil; Jason Smith, Nathan Sheffield, Univ of Virginia, Charlottesville, VA; Roberto A Gomez, UNIVERSITY OF VIRGINIA, 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.
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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 Bhamal, 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.

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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; 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
P238  **Chemerin Is Resident To Vascular Tunicas And Contributes To Vascular Tone**

**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 (IRRI), 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 Carocci, 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 Lans, 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 Lans, MI; Lisa Sather, MICHIGAN STATE UNIVERSITY, East Lansing, MI; Sudin Bhattacharyya, 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; Ernesto L Schiffrin, SMBD JEWSCH 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 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 Medicine, Philadelphia, PA; Hymavathi Reddy Vari, Keisuke Okuno, Stephanie M Cicalese, Temple Univ, Philadelphia, PA; Satoru Eguchi, TEMPLE UNIVERSITY SCHOOL OF MEDICINE, 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 Michelon Barbosa, FMRP-USP, RP, Brazil; Paulo Roberto Barbosa Evora, 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 Zerin, 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 Dodd, 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
Ambrish 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 (actrllb) 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, Yeelim 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

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 Cred Design and Engineering, Seattle, WA; Casey Luce, Kaiser Permanente Washington, Seattle, WA; Sean Munson, Univ of Washington Sch of Human Cred Design and Engineering, Seattle, WA; James Ralston, Kaiser Permanente, seattle, WA


P328 A Retro And Prospective Review Of Within Session Clinic Bp Assessment In Hypertension Clinical Trials
Jeffrey Heilbraun, Luc Dekie, Kalvin 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
**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 Hipertension, 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 Stud  
*Naomi Deirdre Fisher*, Simin Lee, Ozan Unlu, Brigham and Women's Hosp, Boston, MA; David Perruchoud, Josep Sola, Jay Shah, Aktiia, Neuchatel, Switzerland; Nicholas Chin, Christian Figueroa, Emma Collins, Ryan Ruggierorr, 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; Jaein 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

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 Jia, 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 BY 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**
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

**P356 Hypertension Trends And Disparities Over Twelve Years In A Large Health System: Leveraging The Electronic Health Records**
Yuan Lu, Yale Univ, New Haven, CT; John E Brush Jr., Sentara Health, Norfolk, VA; Yuntian Liu, Yale Univ, New Haven, CT; Jordan Asher, Sentara Health, Norfolk, VA; Shu-Xia Li, Yale Univ, New Haven, CT; Mitsuaki Sawano, Keio Univ, Tokyo, Japan; Patrick Young, Yale Univ, New Haven, CT; Wade Schulz, Yale Sch of Med, New Haven, CT; Mark Anderson, John Burrows, Sentara Health, Norfolk, VA; Harlan M Krumholz, Yale Univ, New Haven, CT

**P357 Hypertension At Rural Worksites - An Ongoing Problem**
Linda P. Bolin, EAST CAROLINA UNIVERSITY, Greenville, NC; Ashley Burch, Greenville, NC; Elisabeth Lee, EAST CAROLINA UNIVERSITY, Greenville, NC; Paul Shackelford, EAST CAROLINA UNIVERSITY, Greenville, NC, greeville NC, NC; Paul Bolin, ECU Sch of Med, Greenville, NC

**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**
Angela Khidhir, Univ at Buffalo, Buffalo, NY

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

**P362 Length Of Stay Discrepancies Between Rural And Urban Hospitals - A Cross Sectional Analysis Of Cardiovascular Disease Health Inequity**
Patrik Schmidt, Sai V Allu, BronxCare Health System, New York, NY; Harsh Parikh, St. George’s Univ, True Blue, Grenada; Shitij Shrivastava, BronxCare Health System, New York, NY; Misbahuddin Khaja, BronxCare Health System, Bronx, NY
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 MIYAZAK, 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 Sortilin1 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
P373  **Nuclear Receptor 4As (NR4A) Expression In Patients With Chronic Kidney Disease**  
*Jorge L Gamboa*, VANDERBILT UNIV MEDICAL CTR, Nashville, TN; Baback Roshanravan, UC Davis Health, Davis, CA; Gwenaëlle Begue, Sacramento State Univ, Sacramento, CA; Nancy J Brown, Yale Sch of Med, New Haven, CT; Talat A Ikizler, VANDERBILT UNIVERSITY MEDICAL CTR, Nashville, TN

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**  
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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
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 Rio Preto, Brazil

Association Of Foxo3 Longevity Genotype And Late-life Hypertension With Alzheimer’S Disease And Vascular Dementia

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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

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Acute Mineralocorticoid Receptor Antagonism Does Not Alter Insulin Sensitivity Or Secretion In Metabolic Syndrome

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Impact Of The Smoking Paradox On Outcomes Of Hypertensive Emergencies

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Impact Of The Obesity Paradox On Outcomes Of Hypertensive Emergencies

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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.  
Shaun C Moore, Raisha Campisi, George Washington Univ, Washington, DC; Laureano D Asico, Megha Kumar, GEORGE WASHINGTON UNIVERSITY, Washington, DC; Pedro A Jose, GEORGE WA UNIV SCH MED HEALTH SCI, Washington, DC; Ines Armando, George Washington Univ, Washington, DC

P384  Cytochrome P450 1B1-Testosterone Metabolite 6β-Hydroxytestosterone Promotes Ang II-induced Hypertension And Neuroinflammation Via Group IV Cytosolic Phospholipase A:α 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  
Aron M Geurts, Chun Yang, Emily Novak, Bhavika Therani, Yong Liu, Medical Coll of Wisconsin, Milwaukee, WI; Andrew S Greene, The Jackson Lab, Bar Harbor, ME; Sridhar Rao, Versiti Blood Res Inst, Brookfield, WI; Mingyu Liang, Pengyuan Liu, Allen W Cowley Jr., Medical Coll of Wisconsin, Milwaukee, WI

P386  Rat Remap Initiative At The Rat Genome Database (RGD): A Resource Of Integrated Transcriptomic And Epigenomic Data For Laboratory Rats  
Aron M Geurts, Monika Tutaj, Wendy Demos, Jeffrey De Pons, Medical Coll of Wisconsin, Milwaukee, WI; Andrew Greene, The Jackson Lab, Bar Harbor, ME; Sridhar Rao, Versiti Blood Res Inst, Brookfield, WI; Allen W Cowley Jr., Mingyu Liang, Pengyuan Liu, Anne E Kwitek, Medical Coll of Wisconsin, Milwaukee, WI

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  
Katherine E Finley, Valerie Panzarino, Univ of South Florida, Tampa, FL

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
Pengyuan Liu, Qiongzi Qiu, Medical Coll of Wisconsin, Milwaukee, WI; Yifan Yang, Transwarp Technology, Shanghai; Haoyuan Liu, Shanghai Normal Univ, Shanghai, China; Yi Liu, Liyuan Zhou, Zhejiang Univ, Hangzhou, China; Xiaqi Zheng, Rongxian Yue, Shanghai Normal Univ, Shanghai, China; David L Mattson, Medical Coll Of Georgia, Augusta, GA; Vidya Kidambi, MEDICAL COLLEGE OF WISCONSIN, Milwaukee, WI; Mingyu Liang, MEDICAL COLLEGE OF WISCONSIN, Milwaukee, WI, New Berlin, WI; Xiaqing Pan, Shanghai Normal Univ, Shanghai

P391 Cellular Camp Nanoarchitecture-signaling Changes Cause Hypertension With Brachydactyly
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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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Preservation Of Renal Microvascular Function In Ischemia-reperfusion Induced Kidney Injury In Rats
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Reduced Expression Of Nfatc1 Protects Against Salt-sensitive Hypertension In Mice
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High Salt Induced Mitochondrial Uncoupling And Enhanced Respiratory Activity In Isolated Proximal Tubules From Dahl Salt-sensitive Rats
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Effects Of Time Restricted Feeding On Blood Pressure And Urine Output
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Caveolin-1 And Flotillin-1 Facilitates The SNX19-mediated D1R Endocytosis

Trends In Hypertension Phenotypes Over The Lifespan
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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 Mahbubus Sobhan, Dept of Epidemiology & Res, Natl Heart Fdn 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 Fdn Hosp and Res Inst, Dhaka, Bangladesh; Edgar R Miller II, JOHNS HOPKINS MEDICAL INSTITUTIONS,
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
Sumit Kyada, GMERS Medical Coll., Valsad, India; Yashkumar Girdharlal Kamani, Cagayan State Univ, Cagayan, Philippines; Mahesh Gangannapalle, UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA, ALABANG, Philippines; venkata sai harshabhargav chenna, Univ of perpetual help system dalta., las pinas, Philippines; Arushi Dhawan, Punjab Inst of Medical Sciences, Jalandhar, India; Rohan Gajjar, Cook County Hosp, Chicago, IL; VISHRANT PRAFULCHANDRA AMIN, G.M.E.R.S MEDICAL COLLEGE VALSAD, Ahmedabad, India; Mohit Lakkimsetti, Mamata Medical Coll, Khammam, India; HARDIK DINESHBHAI DESAI, Gujarat Adani Inst of Medical Sciences, Bhuj, India; JUHI PATEL, G.M.E.R.S MEDICAL COLLEGE VALSAD, Valsad, India; Mohammed Dheyaa Marsool Marsool, university of baghdad al-kindya college of medicine, Baghad, Iraq

P405 Outcomes And Trends Of Hypertensive Crisis In Patients Aged 40 Years Or Younger: Results From National Inpatient Sample 2016-2020
Shivani Mehta, Vivek Mittal, Trinity Health Oakland/Wayne State Univeristy, pontiac, MI; Shahzad Hassan, Boston Univ Sch of Medicin, Boston, MA; Tilachan Parajuli, Boston Univ Sch of Medicin, Boston, MA, Montgomery, AL; Waqas Qureshi, Univ of Massachusetts, Shrewsbury, MA

P406 Aprocitentan, A Novel Endothelin Receptor Antagonist, In Older Patients With Difficult-to-control Hypertension
Michael A Weber, State Univ of New York,, Downstate Medical Center, NY; Krzysztof Narkiewicz, Gdansk, Poland; George L Bakris, UNIVERSITY CHICAGO MEDICINE, Chicago, IL; Jiguang Wang, Ruijin Hosp, Shanghai; John M Flack, SIU SCHOOL MEDICINE, Sprifield, IL; Parisa Danaietash, Bruno Flamion, Idorsia Pharmaceuticals Ltd., Allschwil, Switzerland; Lloyd P Haskell, Janssen Pharmaceuticals LLC, Raritan, NJ; Markus P Schlaich, UNIVERSITY OF WESTERN AUSTRALI, Perth, Australia

P407 Increased Secretion Of Glucose Dependent Insulinotropic Polypeptide Is Associated With Postprandial Hypotension In Patients With Parkinson Disease
Kaitlyn R Hay, Pouya Mehr, Amy E Wynn, Sachin Y Paranjape, Tan Ding, Jessica Iregui, Suzanna Lonce, Carly Peacock, Daniel O Claassen, VUMC, Nashville, TN; Cyndya A Shibao, VANDERBILT UNIV. MEDICAL CENTER, Nashville, TN

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
Marialuisa Perrotta, IRCCS Neuromed, Sapienza, Pozzilli, Italy; Lorenzo Carnevale, I.R.C.C.S. Neuromed, Pozzilli, Italy; Fabio Pallante, I.R.C.C.S. Neuromed, Pozzilli, Italy; Agnese
P410  A Novel Method For The Analysis Of Renal Sympathetic Nerve Activity From Multi-fiber Nerve Recordings
Kristina Rodionova, Univ Hosp of Erlangen, Erlangen, Germany; Roland Veelken, Univ Erlangen, PMU Nuremberg, Erlangen, Germany; Nada Cordasic, Univ Erlangen, PMU Nuremberg, Erlangen, Germany, Erlangen; Karl F Hilgers, UNIVERSITY OF ERLangen-NUREMBERG, Erlangen; Roland E Schmieder Jr., NEPHroLOGY AND HYPERTENSION, Erlangen; Mario Schiffer, Univ Hosp Erlangen, Erlangen; Kerstin Amann, Pathology, Erlangen, Germany; Tilmann Ditting, FAU Erlangen-Nuremberg, Erlangen

P411  Significance Of The Nav 1.8, Voltage-gated, Tetrodotoxin-resistant Sodium Channel For The Renal Sensory Innervation In Mice And Rats
Kristina Rodionova, Univ Hosp of Erlangen, Erlangen, Germany; Tilmann Ditting, FAU Erlangen, PMU Nuremberg, Erlangen, Germany; Katrin Holzmann, Felix Bach, Univ Hosp of Erlangen, Erlangen, Germany; Peter R Linz, UNIVERSITY clinIC ERlangEN, Erlangen; Karl F Hilgers, UNIVERSITY OF ERLangen-NUREMBERG, Erlangen; Roland E Schmieder, Univ Erlangen Nurnberg, Erlangen; Mario Schiffer, Univ Hosp Erlangen, Erlangen; Kerstin Amann, Pathology, Erlangen, Germany; Roland Veelken, Univ Erlangen, PMU Nuremberg, Erlangen, Germany

P412  Microglia Via P2y12 Transmit Hemodynamic Signal To Promote Sympathetic Activation In Hypertension
Peng Shi, ZHEJIANG UNIVERSITY, Hangzhou, China; xiao shen, Zhejiang Univ, Hangzhou

P413  Association Between Supine Hypertension And Autonomic Impairment In Patients With Autonomic Failure
Emily Walsh, Vanderbilt Univ Medical Ctr, Nashville, TN; Andre Diedrich, Vanderbilt Univ Medical Cntr, Nashville, TN; Italo Biaggioni, VANDERBILT UNIVERSITY, Nashville, TN; Luis Enrique Okamoto, Vanderbilt Univ Medical Ctr, Nashville, TN

P414  Cytomegalovirus, Hypertension, And Oxidative Stress: Is There A Connection?
Elielso Gonçalves, Helen M Oliveira, Guilherme O De Paula, Cleberson Lira, Valéria D G Sinhorin, Federal Univ of Mato Grosso, Sinop, Brazil; Fernanda Priviero, Univ of South Carolina, Columbia, SC; R Clinton Webb, UNIVERSITY OF SOUTH CAROLINA, Columbia, SC; Gisele F Bomfim, Univ of South Carolina, Columbia, SC

P415  Interleukin-17a And Incident Hypertension In The Reasons For Geographic And Racial Differences In Stroke (REGARDS) Study
Timothy B Plante, Univ of Vermont, Colchester, VT; Stephen P Juraschek, BIDMC-Harvard Medical Sch, Boston, MA; George Howard, SCHOOL PUBLIC HEALTH, Birmiham, AL; Virginia J Howard, Russell Tracy, UNIVERSITY OF ALABAMA-BIRMINGH, Birmiham, AL; Suzanne E Judd, UAB, Birmingham, AL; Debora Kamin Mukaz, Univ of Vermont, Colchester, VT; Neil Zakai, Univ of Vermont, Colchester, VT; Leann Long, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL; Mary Cushman, UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL, Burlington, VT

P416  Differences In Immune Cell Composition And Response Between Spontaneously Hypertensive Bph/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** Proliferative 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-Leleivre, 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
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**P424** Postpartum Blood Pressure Trajectories After Hypertensive Disorders Of Pregnancy
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**P425** Peripartum Cardiomyopathy And Other Cardiac Events In Pregnant And Postpartum Patients With Mood Disorders
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
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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
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P430 Primary Neuronal Cilium As A Novel Mediator Of Angiotensin II And Hypertension
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P431 SARS-CoV-2-induced Inflammation In Human Endothelial Cells Involves ACE2
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P432 CTRP1 Contributes To Angiotensin II-Induced Hypertension Via Activation Of Intrarenal Renin
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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
Xiao C Li, Tulane Univ Sch of Medicin, New Orleans, LA; Rumana Hassan, Tulane Sch of Med, New Orleans, LA; Ryosuke Sato, TULANE UNIVERSITY, New Orleans, LA; Akemi Katsurada,
P434  **Insights Into Blood Pressure Control In Primary Aldosteronism Using Physiological Modeling**  
      John S. Clemmer, U of Mississippi Medical Ctr, Jackson, MS; Clarence E Grim, High Blood Pressure Consulting, Stateline, NV; W. Andrew Pruett, Robert L Hester, U of Mississippi Medical Ctr, Jackson, MS

P435  **Barriers For Secondary Hypertension Screening In The Us: A National Physician Survey**  
      Adina Turcu, Zara Salman, Univ of Michigan, Ann Arbor, MI; Sonja Konzen, Lei Zhang, Lili Zhao, Tuba Suzer Gurtekin, Gina Vincent, Maria Papaleontiou, Univ of Michigan, Ann Arbor, MI

P436  **Increased West Nile Virus Infection And Pathology In The Spontaneously Hypertensive Rat**  
      Linda F Hayward, Univ of Florida, Gainesville, FL; Jasenka A Zubcevic, Univ of Toledo, Toledo, OH; Allison Stahl, Univ of Florida, Gainesville, FL; Jeremy Evans, Texas A&M, College Station, TX; Tao Yang, Univ of Toledo, Toledo, OH; Serena Craft, Univ of Florida, Gainesville, FL; Erika R Schwarz, Dept of Livestock Montana Veterinary Diagnostic Lab, Bozeman, MT; Kelli L Barr, Univ of South Florida, Tampa, FL; Sally Beachboard, Maureen T Long, Univ of Florida, Gainesville, FL