



All poster sessions take place in the Harborside Ballroom on level 4 of the hotel

Thursday, September 4 5:30 – 7:00 PM Poster Session 1 and Reception Includes the TAC Poster Competition This session is sponsored by <i>Hypertension</i>, an American Heart Association Journal	
Category	Poster numbers
<u>Aldosterone, Receptors and Signal Transduction</u>	101- 103
<u>Antihypertensive Drugs and Pharmacology</u>	104-112
<u>Blood Pressure Monitoring</u>	113-128
<u>BP Control and Adherence to Treatment</u>	129-148 (and 407)
<u>Cardiac Hypertrophy and Dysfunction</u>	149-155
<u>Chronic Kidney Disease, Nitric Oxide Endothelin and Other Endothelial Factors</u>	156-160
<u>Clinical Trials in Hypertension and Related Morbidities</u>	161-163
<u>Cognition, Cerebrovascular Disease and Stroke</u>	164-167
<u>Diabetes, Lipids, Obesity, Nutrition, Insulin Resistance and Metabolic Syndrome</u>	168-177
<u>Gender Differences and Sex Hormones</u>	178-182
<u>Genetics, Epigenetics and Epidemiology</u>	183-197
<u>Hypertension and Aging</u>	198-219 (and 541)
<u>Microbiome, Infection and Hypertension</u>	220-221
<u>Neurogenic Mechanisms</u>	222-224
<u>Non-Pharmacological Therapy (Alternative Medicine; Diet; Physical Activity)</u>	225-230
<u>Oxidative Stress, Inflammation, Immunity and Cytokines</u>	231-243
<u>Patient-Provider-Healthcare System Issues</u>	244-253
<u>Pediatric and Adolescent Hypertension</u>	254-260
<u>Pregnancy, Preeclampsia and Developmental Programming</u>	261-273
<u>Renal Hemodynamics, Tubular Transport, Salt, Renovascular Hypertension</u>	274-278
<u>Renin-Angiotensin System</u>	279-284
<u>Resistant Hypertension</u>	285-290
<u>Vascular Biology, Remodeling, Dysfunction, Stiffness</u>	292-303

Friday, September 5
9:00 – 10:30 AM
Poster Session 2 with breakfast reception

Category	Poster Numbers
<u>Clinical Case Study Abstracts</u>	400-415
<u>Aldosterone, Receptors and Signal Transduction</u>	416-420
<u>Antihypertensive Drugs and Pharmacology</u>	421-432
<u>Blood Pressure Monitoring</u>	433-459
<u>BP Control and Adherence to Treatment</u>	460-478
<u>Cardiac Hypertrophy and Dysfunction</u>	479-488
<u>Chronic Kidney Disease, Nitric Oxide Endothelin and Other Endothelial Factors</u>	489-492
<u>Clinical Trials in Hypertension and Related Morbidities</u>	493-499
<u>Cognition, Cerebrovascular Disease and Stroke</u>	500-502
<u>Diabetes, Lipids, Obesity, Nutrition, Insulin Resistance and Metabolic Syndrome</u>	503-514
<u>Gender Differences and Sex Hormones</u>	515-516
<u>Genetics, Epigenetics and Epidemiology</u>	517-526
<u>Hypertension and Aging</u>	527-542
<u>Microbiome, Infection and Hypertension</u>	543-547
<u>Neurogenic Mechanisms</u>	548-553
<u>Non-Pharmacological Therapy (Alternative Medicine; Diet; Physical Activity)</u>	554-559
<u>Oxidative Stress, Inflammation, Immunity and Cytokines</u>	560-568
<u>Patient-Provider-Healthcare System Issues</u>	569-573
<u>Pediatric and Adolescent Hypertension</u>	574-579
<u>Pregnancy, Preeclampsia and Developmental Programming</u>	580-584
<u>Proteomics and Metabolomics</u>	585
<u>Renal Hemodynamics, Tubular Transport, Salt, Renovascular Hypertension</u>	586-589
<u>Renin-Angiotensin System</u>	590-597 and 283
<u>Resistant Hypertension</u>	598-606
<u>Vascular Biology, Remodeling, Dysfunction, Stiffness</u>	607-614

Poster Session 1

(Board Numbers beginning with TAC are participating in the Trainee Advocacy Committee poster competition)

Aldosterone, Receptors and Signal Transduction

TAC101

High Phosphate Induces Ligand-Independent Mineralocorticoid and Toll-Like Receptor 4 Signaling in Aortic Valve Interstitial Cells, Driving Key Mechanisms of Aortic Stenosis

Tania Sanchez-Bayuela

TH102

Aldosterone Signaling Beyond the Kidney: A Systematic Review of Extrarenal Effects

Vyom Patel

TH103

Efficacy and Safety of Lorundrostat in Uncontrolled Hypertension: A Pooled Analysis of Randomized Controlled Trials

Muhammad Sabri

Antihypertensive Drugs and Pharmacology

TAC104

Effect of Magnesium supplementation on blood pressure: A systematic review and meta-analysis of randomized controlled trials

Buna Bhandari Bhattarai

TAC105

High Salt Intake Enhances the REVERSIR-Induced Recovery of Blood Pressure after Angiotensinogen siRNA Treatment

Edwyn Omar Cruz-Lopez

TAC106

Pharmacokinetic Interactions Between Beta Blockers and CYP2D6 Inhibiting Antidepressants (Selective Serotonin Reuptake Inhibitors, Duloxetine and Bupropion) : A Systematic Review and Meta Analysis

Inshal Jawed

TAC107

Kinin B1 Receptor Antagonism Attenuates High Blood Pressure in Genetically Hypertensive Mice

Alexandra Johnston

TAC108

Comparative Effectiveness Of Mineralocorticoid Receptor Antagonists And Thiazide Diuretics In Essential Hypertension Without Heart Failure: A Retrospective Cohort Study

Nimra Klair

TAC109

Effects of Antihypertensive Class on Orthostatic Changes Differ by Body Position, Initial Blood Pressure, and Treatment Duration: Secondary Analysis of the Treatment of Mild Hypertension Study (TOMHS)

Esther Liu

TAC110

Timing of Antihypertensive Medications and Cardiovascular Outcomes: An Updated Meta-Analysis of Randomized Controlled Trials

Trishita Paul

TAC111

Role of Sodium Glucose Co-transporter-2 Inhibitors in Hypertension- A Real World Study in Patients Without Diabetes or Heart Failure

Muhammad Sabri

TAC112

Differential Efficacy of Amiloride and Spironolactone in Resistant Hypertension: A Subgroup Analysis Based on Smoking Status, Body Mass Index, and Aldosterone-Renin Ratio

Rakesh Kumar Shah

Blood Pressure Monitoring

TAC113

Characteristics of Patients with Hypertension in the United States Ambulatory Population: An Analysis of the 2022 National Ambulatory Medical Care Survey Dataset

Abraham Carboo

TAC114

Association of Antihypertensive Medications with Orthostatic Hypotension among Very Old Adults: Findings from the ARIC Study

Md Marufuzzaman Khan

TAC115

Utilization and Cost Trends in Remote Patient Monitoring for Hypertension in the United States (2020-2022)

Ian M Kronish

TAC116

Blood Pressure Trends Across Human Spaceflight Missions

Ryung Lee

TAC117

Evaluating Wearable Cuffless Devices for Nocturnal Hypertension: Accuracy and Usability

Kartikeya Ojha

TAC118

Restructuring a Treat-To-Target Program In a Primary Care Setting To Improve Blood Pressure Control

Jerel Phillips

TAC119

Artificial Intelligence-Enhanced Diagnosis of HFpEF in Hypertensive Populations: A Meta-Analysis of Clinical and Imaging-Based Models

Ashish Sharma

TAC120

Prevalence and Correlates of White Coat and Masked Hypertension in Older Adults: The Atherosclerosis Risk in Communities Study

Frances M. Wang

TH121

Evaluating the Performance of AI-Driven photoplethysmography (PPG) Models for Cuffless Blood Pressure Monitoring: A Meta-Analysis

Parth Adrejiya

TH122

Prevalence and Associated Risk Factors of Hypertension in Urban and Rural Communities of Sub-Saharan Africa.

Ahmed Attia

TH123

Comparison Of The Values Of Ambulatory Blood Pressure Against Home Blood Pressure On The Prediction Of Vascular Outcomes: a Systematic Review And Network Meta-analysis

Shao-Yu Fang

TH124

Association Between High-Sensitivity Troponin Levels and Hypertension

Ahmad Karzoun

TH125

Nurse support for remote monitoring of hypertension reduces burden on primary care physicians and increased responsiveness to alerts

Pranava Mallu

TH126

Impact of Food Insecurity and Patient Portal Registration on Engagement in a Hypertension Telehealth Clinic

Pooja Singh

TH127

Detecting Potential Threshold Bias in Recorded Blood Pressure in Clinical Practice and Research: A study of 7 International Datasets

Kathryn Foti

TH128

Home Blood Pressure Monitoring in Subspecialty Clinics: A Needs Assessment

Lisa Dubrofsky

BP Control and Adherence to Treatment

TAC129

Antihypertensive Medication Prescription Patterns at Baseline in the LINKED-HEARTS Program: A Comparative Analysis with American Heart Association Guidelines

Nana Ofori Adomako

TAC130

Comparison and Population Impact of Guideline Blood Pressure Targets for Diabetes in South Korea

Na Yeon Ahn

TAC131

Healthcare Access and Hypertension Cascade in Reproductive-Aged Women: Findings from the SAFE HEART Study

Kwabena Dankwa

TAC132

Racial/Ethnic Disparities in Life's Essential 8 Outcomes Among Women of Reproductive Age in Baltimore and Washington D.C.

Feodora Etelier

TAC133

Hypertension Treatment and Control in a Semi-Urban Community in Southern Nigeria: Implications for Scalable Community-Based Interventions in Low-Resource Settings

Monica Gbuechie

TAC134

Impact of Mediterranean Diet on Hypertension in Patients with High Cardiovascular disease Risk: A Systematic Review & Meta-Analysis of Randomized Controlled Trials

Madiha Kiyani

TAC135

Joint Associations Between Polysocial and Psychological Risks and Hypertension in Women of Reproductive Age: Findings from the SAFE HEART Study

Faith Elise Metlock

TAC136

Sociodemographic Influences on Hypertension Prevalence Across New York Counties: A Multivariate Regression Analysis

Vishakha Modak

TAC137

Prevalence of Hypertension, Barriers to Care and Effectiveness of a Multi-strategic Approach in Improving Hypertension Management and Control in Rural and Conflict-affected Communities in Cameroon

Mundih NJOHJAM

TAC138

Impact of Intensive Blood Pressure Control on Clinical Outcomes in Patients with Diabetes: A Meta-Analysis of Randomized Controlled Trials

Olubunmi Ogunmola

TAC139

Understanding Hypertension Awareness, Treatment and Control in Young Adults: an Australian Perspective

Ritu Trivedi

TH140

Cardiac Rehabilitation In a Safety Net Population - Effects on Hypertension Management

Morgan Burke

TH141

Long-Term Cardiovascular and Mortality Risk Associated With Blood Pressure 130-139/80-89 mmHg

Chenliang Ge

TH142

Posterior Reversible Encephalopathy Syndrome: A Diagnostic Challenge and the Critical Role of Blood Pressure Control

Leosbel Hurtado

TH143

One Click Away: Empowering Primary Care for Hypertension Control Through Digital Health

Lekha Karthikeyan

TH144

Single-Pill vs Multi-Pill Antihypertensive Therapy: A Systematic Review of Adherence and Outcomes

Zaraq Khan

TH145

Renin–Angiotensin System Blockade in Non-Hypertensive Diseases: A Systematic Review of Cardiorenal Outcomes

Vyom Patel

TH146

Gaps in Hypertension Management within Populations Experiencing Food Insecurity

Tina Ting

TH147

Perceived versus Actual Cardiovascular Health Risk among Women of Reproductive Age: SAFE HEART Women Study

Ketum Ateh Stanislas

TH148

Association of Blood Pressure Control with Distance to Parameters of Social Determinants of Health

Anum Zehra

FR407

The Cost of Medication Non-Adherence: Malignant Hypertension-Induced Thrombotic Microangiopathy Resulting in Acute Renal Failure in Young Female

John Joyce

Cardiac Hypertrophy and Dysfunction

TAC149

Impact of Hypertension on Adverse Outcomes in Hypertrophic Obstructive Cardiomyopathy: A National Inpatient Analysis

Sana Ahmed

TAC150

Regional and Sex-Specific Trends of Cardiomyopathy and Myocarditis in Africa from 1990-2019

JOHANN ALEXANDRE CHAFA EDJIMBI

TAC151

Midodrine Under Pressure; Managing Hypotension In Heart Failure With Reduced Ejection Fraction: Real-World Propensity Matched Data Reveals Conflicting Signals In Long-Term Risk

Rayan Salih

TH152

Molecular Pathways of Cardiac Fibrosis in Hypertension: A Systematic Review of Mechanisms and Therapeutic Implications

Zaraq Khan

TH153

Mortality Trends in Hypertensive Heart Disease Versus Hypertensive Renal Disease: A Population-Based Analysis Using the CDC WONDER Database

Muhammad Sabri

TH154

Restrictive Filling Pattern in Diastolic Dysfunction: Differentiating Hypertensive Heart Disease from Restrictive Cardiomyopathy Using Transthoracic Echocardiogram

Josephine Ria Pitasari

TH155

Hypertrophic Cardiomyopathy–Related Mortality in the United States: A 22-Year Epidemiologic Analysis of National Trends and Disparities (1999–2020)

Perisa Ashar

Chronic Kidney Disease, Nitric Oxide Endothelin and Other Endothelial Factors

TAC156

Inhibition Of Macrophage Activation By Indole-3-acetic acid, a Metabolite Produced By The Gut Microbiota

Sreelakshmi Menon

TAC157

NGAL play a key role in the development of heart failure via fibrosis and inflammation pathway in rat chronic kidney failure model

Matthieu SOULIE

TH158

Nitric Oxide Therapies in Hypertensive Chronic Kidney Disease: A Systematic Review of Efficacy and Mechanisms

Zaraq Khan

TH159

Rising Mortality from Chronic Kidney Disease in the United States: A 22-Year National Analysis of Trends and Disparities (1999–2020)

Perisa Ashar

TH160

Hypertensive Emergencies Among End-Stage Renal Disease Patients and Predictors of All-Cause 30-Day Readmissions

Kamleshun Ramphul

Clinical Trials in Hypertension and Related Morbidities

TAC161

Intensive Blood Pressure Control Reduces Subclinical Cardiac Injury among Adults with Orthostatic Hypotension or Orthostatic Hypertension: Secondary Analysis of the Systolic Blood Pressure Intervention Trial (SPRINT)

Shreyas Rajesh

TH162

Worsening Diastolic Hypertension during the COVID-19 Pandemic

Issaree Bunyawannukul

TH163

Persistence of Blood Pressure Reduction Following Renal Denervation Across Short, Medium, and Long Term Follow-Up

Mohammad Javad Namazi

Cognition, Cerebrovascular Disease and Stroke

TAC165

Nighttime Blood Pressure and Intracranial Atherosclerotic Stenosis: Dose-Response Associations With Atherosclerotic Burden and Symptomatic Status

Huanyu Zhou

TH166

Hypertension-associated metabolic reprogramming in the cerebral cortex and the possible role of neuron-expressing AT1R

Jiaxi Xu

TH167

Soluble Epoxide Hydrolase Inhibition Improves Cerebrovascular Dysfunction And Cognitive Impairments In Aged Diabetic Rats Without Normalizing Blood Glucose

Xing Fang

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

TAC168

Demographic and socio-economic differences in the co-occurrence of Obesity and Chronic Kidney Disease – A Population-Based Study

Komal Arora

TAC169

Burden of Type 2 Diabetes with Comorbid Hypertension in the United States: Rising Mortality and Demographic Disparities, 2000–2020

Perisa Ashar

TAC170

Demographic and Regional Trends of Mortality in Patients with Obesity and Hypertension in the United States from 1999 to 2020: A CDC WONDER Analysis

Zainab Humayun

TAC171

Sex-Specific Mitochondrial Metabolic Signatures in Type 2 Diabetic Kidney Disease

Vita Shyshenko

TH172

Forecasting Mortality Trends from Obstructive Sleep Apnea and Hypertension in Older Adults in the United States (1999–2035): A Machine Learning Approach

Syeda Beenish Bareeqa

TH173

A Study on Prevalence of Cardiovascular risk factors among patients with Psoriasis of a tertiary care teaching hospital

Jahnavi Mikkilineni

TH174

Efficacy and Safety of PCSK9 Inhibitors versus Bempedoic Acid in Reducing LDL and Cardiovascular Risk in Patients with Dyslipidemia: a Systematic Review of Randomized Controlled Trials.

RAM Vivek Ramamoorthy

TH175

Contribution of Early-Life Obesity to Cavernosal and Pudendal Artery Dysfunction in Young Adult Rats Mediated by Secretin GPCRs and Senescence Pathways: Functional and Transcriptomic Insights

Tiago Tomazini Goncalves

TH176

Olfactory Receptor 2 Mediated Vascular Dysfunction in Diabetic Mouse Aorta

Diana Silva-Velasco

TH177

Cardiac RAS/SIRT1 Modulation by Pioglitazone and Canagliflozin Protects Against Diabetic Cardiomyopathy

Purab sood

Gender Differences and Sex Hormones

TAC178

T cells activated by IsoLG-adducts display variable organ distribution depending on sex in Hypertension

Marwa Abd-Eldayem

TAC179

Ovarian Hormones Do Not Account For Maintained Diurnal Sodium Handling In Female Bmal1 KO rats

Maria Venegas

TH180

Sex Hormone Modulation in Hypertension: A Systematic Review of Blood Pressure Effects

Vyom Patel

TH181

Estrogen Loss and Sleep Restriction Disrupt Blood Pressure Rhythms and Vascular Function

Bruna Visniauskas

TH182

Incidence Trends of Primary Cardiac Sarcomas in the United States: A SEER-Based Analysis from 2000 to 2021

Josephine Ria Pitasari

Genetics, Epigenetics and Epidemiology

TAC183

Long Noncoding RNA CASC15 Drives Angiogenesis Impairment in Ang-II–Induced Endothelial Dysfunction

Warley Rosa Cunha

TAC184

Allele-Specific Regulation of Endothelial Gene Expression and Apoptosis by the Blood Pressure-associated SNP rs217727

Rajan Pandey

TH185

Silent Surge: Hypertensive Disease Mortality Trends From 1999-2020 in Women Based on U.S. Death Records

Mohammad Abubaker

TH186

The Vicious Cycle: Hypertension Amplifies Liver Disease Mortality in the United States (1999–2020).

Adan Irfan

TH187

Brain Under Pressure: Hypertension as a Hidden Contributor to Neurodegenerative Disease Mortality in the U.S. (1999–2020)

Adan Irfan

TH188

Comparative Analysis of Hypertension-Associated Cancer Mortality Trends: Urinary Tract Versus All Cancers Using CDC WONDER and ARIMA Modeling (1999–2030)

Muhammad Sabri

TH189

Could Aircraft Noise Be the Silent Cause of Hypertension? Evidence from a Meta-Analysis of 6.2 Million Individuals

Sneha Annie Sebastian

TH190

Ethnic Disparities in All-Cause and Cardiovascular Mortality Among Hypertensive Patients: Findings from a Multi-Ethnic Cohort Study in China

YU XIA

TH191

Association of the urinary sodium-to-potassium ratio with blood pressure is influenced by the polygenic risk score for hypertension: Analysis of UK Biobank data

Wataru Fujii

TH192

CTCF and Cohesin Mediated Endothelial Cell-specific Chromatin Organization and Transcriptional Control at Loci Harboring Blood Pressure-Associated Genetic Variants

Atrayee Ray

TH193

Effects of moderate to vigorous intensity exercise on inflammatory and metabolic markers among healthy South Asian and white European men.

Shiva Hooshmandi

TH194

Demographic and Socioeconomic Disparities in the Co-Occurrence of Hypertension and Depression – A Population-Based Study

Komal Arora

TH195

Trends in Hypertension-Associated Neoplasm Mortality Before and During the COVID-19 Era in the United States: A Population-Based Analysis, 2018–2023

Mahir Modi

TH196

Three Decades of Change in Heart Failure Due to Hypertensive Renal Disease in the U.S.: Prevalence, Disability, and Disparities from 1990 to 2021

Nancy Vora

TH197

Epigenetic Modifications in Hypertension: A Systematic Review Highlighting Risk in Individuals with a Family History of Stroke

Kartikeya Ojha

Hypertension and Aging

TAC198

Hypertensive heart disease phenotype in male and female Schlager mice

Devika Sunil

TAC199

Cavernosal and Pudendal Dysfunction in Schlager Hypertensive (BPH/2J) Mice: Impaired α 1-Adrenergic Contraction, Endothelium-Dependent Relaxation, and Piezo1 Channel Function

Raiana dos Anjos Moraes

TAC200

Negative Affective Responsivity to Daily Stressors and Beat-to-Beat Blood Pressure Variability in Normotensive Young Adults

Madison Evering

TAC201

Socioeconomic and Clinical Predictors of Heart Disease Risk Knowledge among Older African Americans in the EnGAGE with Heart Study

Thomas Hinnah

TAC202

Hypertensive Emergency Hospitalizations and Mortality Trends Among Hispanic and Black Populations in the U.S. (2005–2022): An Integrated Analysis of CDC WONDER and National Inpatient Data

Kumar

Harendra

TAC203 Estradiol Fails to Protect the Kidney and Vasculature When Hypertension Precedes Menopause

Ana Paula O. Leite

TAC204

The Negative Impact of a Comorbidity of Excess Dietary Salt and Increased Blood Pressure Variability on Cardiovascular and Neurovascular Outcomes

Perenkita Jessica Mendiola

TAC205

CX3CL1 Mediates ADAM17 Upregulation and Microglia Activation in Salt-Sensitive Hypertension

Uma Priya Mohan

TAC206

Long-Term Effects of Hypertension on Vascular Health and Brain Plasticity

Chase Richard

TAC207

Hypertension-Driven Bone Loss and Immune Activation in an Aging Mice: Pharmacologic Prevention

Luis Miguel Rivera Medina

FR541

High Fiber Diet Attenuates Established Age-Dependent Gut Microbiota Dysbiosis, Hypertension, and Impaired Renal Sodium Handling

Xiangyu Zheng

TH208

Evaluating The Accuracy Of Cuffless Devices In Ambulatory Blood Pressure Monitoring: A Systematic Review And Meta-Analysis

Aditi K. Bhanushali

TH209

The Effect of Time-Restricted Feeding in Age-Induced Renal Inflammation in Aged Mice on a High Salt Diet

Gene R Crislip

TH210

Supine Hypertension is Associated with Cardiovascular Disease and Mortality in the Absence of Seated Hypertension: Results from the Cardiovascular Health Study

Benjamin Grobman

TH211

Geographic and Demographic Disparities and Trends in Hypertension and Sleep Disorder Related Mortality in United States Adults Aged 25 Years and Older From 1999 to 2020

Zainab Humayun

TH212

Long Term Trends and Demographic Disparities in Cardiac Arrest and Hypertension Mortality in the United States from 1999 to 2020: A CDC WONDER database analysis

Zainab Humayun

TH213

Organ Damage and Physical Decline in Pre-Frail Older Adults with Hypertension and Chronic Kidney Disease

Pasquale Mone

TH214

Associations between 24-hour Blood Pressure Variability Measures and Orthostatic Blood Pressure Changes

Dhrumil Patil

TH215

Association Between Supine Blood Pressure and Risk of Cardiovascular Disease and Mortality; a Systematic Review and Meta-analysis.

Abhigan Babu Shrestha

TH216

Disparities in Heart Disease Mortality Along the U.S.-Mexico Border (2011–2018): A CDC WONDER Analysis with Implications for Hypertension Equity

Angad Tiwari

TH217

Propionate Attenuates Hypertensive Cardiovascular Damage During Aging

Milena Hahn

TH218

Effect Modification of Age and Sex in the Association between Depression and Coronary Heart Disease: National Health and Nutrition Examination Survey 1999-2023

Samuel Gledhill

TH219

Hypertension and Cognitive Decline: A Systematic Review of Epidemiological Links and Intervention Outcomes

Zaraq Khan

Microbiome, Infection and Hypertension

TAC220

Effect of Hesperidin Intake on Blood Pressure and Gut Microbiota Composition in 2-Kidney, 1-Clip Renovascular Hypertensive Rats

Ayaka Harui

TAC221

Hypertension and Its Influence on Cardiovascular Health in HIV: Insights from a Real-World Study

Shaival Sharma

Neurogenic Mechanisms

TAC222

DOCA-Salt Increases Perineuronal net Deposition in the Paraventricular Nucleus of the Hypothalamus in Male Mice

Ismay Blanco

TAC223

Continuous Positive Airway Pressure Acutely Reduces Supine Blood Pressure and Atrial Natriuretic Peptide in Autonomic Failure Patients with Supine Hypertension

David Moloney

TH224

Long COVID-19 Postural Orthostatic Tachycardia Syndrome Patients Exhibit Hypovolemia at Severity Levels Similar to Primary Postural Orthostatic Tachycardia Syndrome Patients

Pouya Ejtemaei Mehr

Non-Pharmacological Therapy (Alternative Medicine; Diet; Physical Activity)

TAC225

Ketone supplementation ameliorates high dietary salt-induced tumor necrosis factor- α secretion but not phenotypic shifts in myeloid cells in apparently healthy adults

Braxton Linder

TAC226

Clinical Impact and Cost-Effectiveness of Potassium-Enriched, Sodium-Reduced Salt Substitutes in Hypertension: A Meta-Analysis of Randomized Controlled Trials

Sneha Annie Sebastian

TAC227

The Effect of Umami Components, Glutamate and Aspartate on Blood Pressure in Normotensive and 2-kidney, 1-clip Renovascular Hypertensive Rats

Yukiko Segawa

TAC228

Trends in Salt Substitute Use Among US Adults, 2003–2020

YINYING WEI

TH229

Assessing medical resident knowledge of isometric handgrip training for hypertension control before and after review of a brief medical education packet

JiCi Wang

TH230

A Young Woman, High BP, and a Surprising Cause in Her Water Bottle.

Maryam Munir

Oxidative Stress, Inflammation, Immunity and Cytokines

TAC231

The immune ET-1/ETA receptor axis modulates blood pressure responses and renal function in males, but not females.

Abigail J Brooks

TAC232

CD4+ T Cell Presence Correlates with Disease in Human Kidney Tissue

Emily C Burns-Ray

TAC233

Artesunate, An Anti-Malarial Drug, Improves Vascular Function And Reduces Vasculitis In A Mouse Model Of Kawasaki Disease

Sanjana Reddy Chada

TAC234

Gut Metabolite Urolithin A attenuates Pyroptosis and Kidney Injury in a Swine Model of Fecal Peritonitis

Julia Estibaliz de la Cruz Conty

TAC235

Time restricted feeding reduces granzyme B expressing CD8+ T cells in kidneys of obese mice

Claudia Edell

TAC236

NLPR3 inflammasome inhibitor attenuates autoimmune mediated hypertension in female mice

Noelle Irene Frambes

TAC237

Single-Cell Metabolic Profiling of Th17 Cells in Hypertension

Elizabeth Hulsey

TAC238

Predicting Peptide-Human Leukocyte Antigen and Isolevuglandin Immunogenicity in Hypertension Using Structure-based Deep Learning

Kuniko Hunter

TAC239

Deficiency in the Duffy Antigen Receptor for Chemokines Operates a Switch in the Mechanisms of Hypertension in a Mouse Model of HIV

Beryl Nasambu Khakina

TAC240

Antigen Presenting Cell-Specific Keap1-Nrf2 Pathway Mediates Salt-Sensitive Hypertension

Mohd Mabood Khan

TAC241

Renin-Angiotensin System Deficiency Induces Tertiary Lymphoid Tissue Formation and Promotes Inflammation-Driven Fibrosis in the Kidney

Daisuke Matsuoka

TAC242

Kinin B1 Receptor as the Activation Signal in TLR4 Primed NLRP3 Inflammasome Activation

Drew Theobald

TAC243

MODULATION OF TLR9-MEDIATED INFLAMMATION IN MACROPHAGES AS A THERAPEUTIC APPROACH FOR ERECTILE DYSFUNCTION IN OBESITY

Cintia Vieira dos Santos

Patient-Provider-Healthcare System Issues

TAC244

Identifying Gaps in Hypertension Training Across Canadian Health Professions: A National Survey

Sachin Vidur Vidur Pasricha

TAC245

Adherence to Antihypertensive Medication Varies by Insurance Status in US Adults: The Behavior Risk Factor Surveillance System (BRFSS) Study (2019-2023)

Javier Alejandro Jurado Velez

TAC246

Trends in Untreated Elevated Blood Pressure in Routine Clinical Practice, 2014-2024: a Nationwide Study

Jay B Lusk

TAC247

Retrospective Analysis of Resource Utilization and Outcomes Among Emergency Department Patients Presenting with Markedly Elevated Systolic Blood Pressure

Jigar Patel

TAC248

Impact of Teaching Hospital Status on Mortality and Outcomes in Hypertensive Emergencies: A Nationwide Analysis (2016-2021)

Jeffrey Afrah Sackey

TAC249

When Minutes Matter the Most: Temporal Trends for Hypertensive Urgency

Navneet Sandhu

TH250

Assessment of Knowledge, Attitudes, and Practices of Primary Healthcare Physicians in Provinces of Armenia Towards Hypertension Management: A Cross-sectional Study

Ania Baghoomian

TH251

Task-Sharing For Cardiovascular Disease Management In Nepal: Feasible But Systematically Challenging

Maryam Hameed Khan

TH252

Impact of a Curriculum on Outpatient Management of Hypertensive Urgencies at a VA Primary Care Clinic

Natalie Kolba

TH253

A Preliminary Analysis of the Barriers and Enablers to Blood Pressure Measurement in Clinical Practice: Perspectives of Primary Care Doctors, Nurses and Community Pharmacists

Ritu Trivedi

Pediatric and Adolescent Hypertension

TAC254

Estimating Resting Metabolic Rate in Youth with Obesity and Elevated Blood Pressure

Jafar-I Moore

TH255

Association of MASLD by ICD-10 Codes with Baseline Antihypertensive Medication Prescription, Echocardiograms, and Dietitian Referrals in Youth with Hypertension Disorders: A SUPERHERO Analysis

Maggie Murphy

TH256

Blood Pressure Indices as Determinants of Nocturia Severity in Adolescents

Tasmia Promi

TH257

Pediatric Renovascular Hypertension: Patient and Family Perceptions of Diagnosis, Treatment, and Health-Related Quality of Life

Eden Singh

TH258

Body Mass Index and Systolic Blood Pressure in a Pediatric Population: Odds Ratio of Hypertension from Philadelphia-area Screenings

Patrick Faherty

TH259

Association of Asthma Diagnosis with Baseline Blood Pressure Severity, Target Organ Injury, and Cardiovascular Health in Youth with Hypertension Disorders: A SUPERHERO Analysis

Maggie Murphy

TH260

Early Life Stress is Associated with Increased Diastolic Blood Pressure in Adolescents

Samantha Martin

Pregnancy, Preeclampsia and Developmental Programming

TAC261

Perinatal AT1-AA Causes First Generation Pregnant Female Offspring to Develop a PE Phenotype

Nathan Campbell

TAC262

Progesterone Induced Blocking Factor Improves Maternal and Fetal Outcomes in Dahl Salt-Sensitive Rats

Christy Lynn Chambers

TAC263

Pregnancy-Induced Mechanical Adaptations and Postpartum Recovery in Third-Order Mesenteric Arteries of Rats

Wendell Choi

TAC264

Perivascular Adipose Tissue Modulates Uterine Artery Reactivity in The Late-Gestation Preeclampsia-Like BPH/5 Mouse

Bruno Vinicius Duarte Marques

TAC265

Childbirth Is Associated with Long-Term Declines in Blood Pressure: The Bogalusa Heart Study

Eunsun Gill

TAC266

Exercise Blood Pressure Response and Resting Echocardiographic Parameters Following Hypertensive Disorders of Pregnancy

Andrea Kozai

TAC267

Leptin Increases Placental Mitochondrial Number, Density, and Circularity in a Mouse Model of Preeclampsia

Elisabeth Mellott

TAC268

IL-1 Receptor Type 1 Signaling Reduces Maternal Immunotolerant Regulatory T Cells and Contributes to Placental Ischemia-Induced Maternal Hypertension and Fetal Growth Restriction

Marcus Robbins

TAC269

Validating a Predictive Model for Postpartum Hypertension Readmission with Incorporation of Social Vulnerability Index

Celeste Green

TH270

(PRO)RENIN AND SOLUBLE (PRO)RENIN RECEPTOR AS PREDICTIVE BIOMARKERS FOR THE EARLY DIAGNOSIS OF PREECLAMPSIA

Ashleigh Aubin

TH271

Area Deprivation, Social Vulnerability, and Blood Pressure Among Women 2-7 Years after Delivery: The nuMoM2b-HHS Study

Allison E. Gaffey

TH272

Adverse Maternal and Offspring Outcomes in Dahl Salt-Sensitive Rat Pregnancies: Impact of a Maternal Hypertensive High-Fat Diet

Viviane C. L. Gomes

TH273

**UNMASKING THE SILENT THUNDER : LATE POSTPARTUM ECLAMPSIA
PROGRESSING INTO POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME
(PRES)**

Sunil Bogati

Renal Hemodynamics, Tubular Transport, Salt, Renovascular Hypertension

TAC274

Functional Ca²⁺ signaling is regulated by histamine in glomerular podocytes

Corey Andrews

TAC275

Combined High-Fat And High-Salt Diet Induces Salt-sensitive Hypertension, Upregulates NKCC2 Expression And Decreases Renal Function In C57BL/6J Mice

Isaac Baiden

TAC276

Nicotine Causes Nitrosative Stress and Elevated Intracellular Ca²⁺ in Renal Proximal Tubule Cells

Adam Jones

TAC277

Gut-Selective NHE3 Inhibition Attenuates Salt-Sensitive Hypertension and Renal Damage in Dahl SS Rats

Samuel D Walton

TH278

Trends in Cardiovascular Disease Mortality Among Older Adults With Renal Failure and Hypertensive Disease in the United States (1999-2020)

Muhammad Awais Bin Abdul Malik

Renin-Angiotensin System

TAC279

Chronic Suppression of the Renin-Angiotensin System Induces Renal Vascular Remodeling, Hypoxia, and Metabolic Reprogramming

Lucas Almeida

TAC280

Deletion of AT1Rs in Cholinergic Neurons Alters Cardiac Function and Remodeling During Chronic Angiotensin II Infusion in Male Mice

Mina Ghobrial

TAC281

Retinoic Acid, Insulin-like Growth Factor and Nerve Growth Factor are Locally Activated in Renal Arteriolar Hypertrophy caused by Renin-Angiotensin System Inhibition

Manako Yamaguchi

TAC282

Combination Therapy with ACEIs/ARBs and β -Blockers Reduces Basal Inflammation in Heart Failure Patients: A Cross-Sectional Observational Study

Fouad A Zouein

TH284

NOS Uncoupling and Mitochondrial Damage in Glomerular Cells in Diabetic Kidney Disease

Marharyta Semenikhina

Resistant Hypertension

TAC285

Bariatric Surgery Achieves Significant and Sustained Hypertension Control: A Systematic Review and Meta-Analysis

Mashood Farooqi

TAC286

Trends and disparities in U.S. Mortality among individuals with coexisting Hypertensive Disease and Renal Failure: A 22-Year Retrospective Analysis(1999-2020)

Raam Mannam

TAC287

Determining the relationship between renal accessory and branching arteries with resistant hypertension: a case-control study

Sachin Vidur Vidur Pasricha

TH289

"Efficacy of Low-Dose Versus High-Dose Aprocitan in Resistant Hypertension Management: A Meta-Analysis of Randomized Controlled Trials"

Parth Adrejiya

TH290

Blood Pressure Trajectory and Treatment Patterns Among Older Patients with Apparent Treatment Resistant Hypertension: Insights from a Large, Community-Based Healthcare System

Nicole Mamprejew

Vascular Biology, Remodeling, Dysfunction, Stiffness

TAC292

Class IIa Histone Deacetylase Activity Mediates Increased Aortic Stiffness in a Mouse Model of Early Life Stress

Gillian Kelly

TAC293

RbFox2 Is a Target Of The RhoBTB1-CUL3 Pathway To Regulate Arterial Stiffness

Gaurav Kumar

TAC294

Hypertensive-Like Mechanical Stretch Triggers a Reparative Response but Ultimately Exhausts Tissue-Resident Endothelial Progenitor Cells

Juliana Montenegro Parente

TAC295

Essential Hypertension Induces Capillary Rarefaction and Reduces Pericyte Coverage in the Retinal Microvasculature of BPH/2J Mice

Rohit Nampoothiry

TAC296

Smooth muscle cell poly (ADP-ribose) polymerase 1 contributes to the development of aging-associated arterial stiffening

Karla Oliveira

TAC297

CCL5/CCR5 Signaling Promotes a Pro-Inflammatory Macrophage Phenotype and Perivascular Adipose Tissue Dysfunction in Hypertension

Gustavo Felix Pimenta

TAC298

A High Salt Diet Drives Kidney Microvascular Dysfunction Through a Plasma-Derived Factor that Increases Mitochondrial Reactive Oxygen Species

Lance D Reynolds

TAC299

A Novel Model of Sustained Hypertension Using an AngII Adeno-Associated Virus

Mitchell Shivers

TAC300

Treatment with emetine attenuates blood pressure development in spontaneously hypertensive rats

Adrian Zietara

TH301

2 Dimensional Echocardiography versus 3 Dimentional Echocardiography to Assess Right Ventricular Function in Pulmonary Hypertension: A Systematic Review

Waleed Razzaq Chaudhry

TH302

Biomechanical Analysis of Adiposity-Driven Hypertension: The Role of PVAT and Sex Differences in Dahl-SS Rats

Dillon McClintock

TH303

Association Between Macro- and Microvascular Function and Cardiometabolic Risk in Individuals with Prediabetes

Jessica Danh

Poster Session 2

Clinical Case Study Abstracts

FR400

From Reconciliation to Resuscitation: Carvedilol Toxicity in Hepatic Dysfunction

Suemair Hassan

FR401

Successful Treatment of Long-Term Hypertension Caused by Subclinical Primary Hyperaldosteronism

Tetyana Okan

FR402

Bilateral Vertebral Artery Stenosis and Severe Aortic Valve Stenosis Trigger Functional Hypotension With Neurologic Collapse and Syncope

ABDULLAH KILIC

FR403

Atypical Presentation of Glomerular Disease: A Silent Culprit of Secondary Hypertension in a Young Adult

Javaria Mushtaq

FR404

To Revascularize or Not to Revascularize Renal Artery Stenosis? A Case of Pickering Syndrome: Renal Artery Stenosis with Flash Pulmonary Edema

Melissa Hynds

FR405 **Beyond Preeclampsia: Hypertension and Proteinuria in Pregnancy**

Victoria Huiyu Chen

FR406

A Subtle Case of Primary Aldosteronism

Nikita Agarwal

FR408

Posterior Reversible Encephalopathy Syndrome (PRES): A Delayed Diagnosis With Preventable Cause And Preventable Consequences

Nimra Klair

FR409

When Liver Injury and Low Platelets Collide: Unraveling a Hypertensive Emergency at Preterm

Shubham Gupta

FR410

What next? A challenging case of refractory hypertension with end-organ dysfunction in a 33-year-old male

Rrezane Miftari

FR411

Hypertensive Crisis as a Presenting Sign of Paraneoplastic Cushing Syndrome in Recurrent Metastatic Small Cell Lung Cancer

Jacqueline Shen

FR412

Posterior Reversible Encephalopathy Syndrome (PRES) Complicated With Lacunar Infarcts After Transition To Oral Anti-Hypertensive Medications: A Case Report

Beatriz Maria Franco Hondermann

FR413

Beyond the Tumor: Persistent Hypertension and Delayed Cardiac Recovery Following Complex Paraganglioma Resection

Josephine Ria Pitasari

FR414

Malignant Hypertension as a Rare Cause of Thrombotic Microangiopathy and Microangiopathic Hemolytic Anemia

Monika Kozyra

FR415

Tacrolimus-Induced Nephrotoxicity and Hypertensive Urgency in a Renal Transplant Patient: A Case Report

Beatriz Maria Franco Hondermann

Aldosterone, Receptors and Signal Transduction

FR416

USP8 regulates α ENaC to induce endothelial stiffening

Guanghong Jia

FR417

Aldosterone Dysregulation After Antihypertensive Treatments Among Patients With Hypertension in the United States: Findings From the Breakthrough Aldosterone Real-World Study

Florian Rader

FR418

Weight-loss Following Adrenalectomy in Patients with Primary Aldosteronism

Hannah Wickham

FR419

The Effect of Mineralocorticoid Receptor Antagonists on Weight Changes in Hypertensive Populations

Ananya Yaganti

FR420

Aldosterone Promotes Aortic Dissection through Lactate/Lactylation-mediated Phenotypic Switching of Vascular Smooth Muscle Cell

Qing Zhu

Antihypertensive Drugs and Pharmacology

FR422

Projected reductions in patient out-of-pocket spending for antihypertensive single pill combination products under cost caps

Catherine G Derington

FR423

Fee-for-service Medicaid coverage of antihypertensive single pill combination products

Catherine G Derington

FR424

A peptoid derivative of alpha-calcitonin gene related peptide improves cardiac function in pressure-overload heart failure mice

Ambrish Kumar

FR425

Antihypertensive Efficacy of Angiotensin Receptor Blockers with and without Inverse Agonism: A Systematic Review and Network Meta-analysis

Jing Liu

FR426

Pharmacokinetics and Chronotherapy: Are Some Antihypertensives Better Suited for Nighttime Dosing?

Avery Love

FR427

Dietary Sodium-to-Potassium Ratio Modifies Diuretic-Associated Hypokalemia Risk in Adults with Hypertension

Raymond Papenfuss Owusu-Ansah

FR428

Relationship Between Medication Class and Ambulatory Blood Pressure Profile in the Chronic Renal Insufficiency Cohort

Sachin Vidur Vidur Pasricha

FR429

Recent Advances in Hypertension Management: Systematic review and Meta-Analysis of Emerging Therapies (2023-2025).

Nirmit Patel

FR430

Real-World Analysis of Nicardipine vs. Nitroglycerin for Hypertensive Urgency or Emergency

Muhammad Sabri

FR431

Angiotensin-Converting Enzyme Inhibitors Versus Angiotensin II Receptor Blockers in Hypertensive Patients with Heart Failure: Insights from a Real-World Retrospective Cohort

Shaival Sharma

FR432

Renin Angiotensin System Inhibitors and Arterial Stiffness in Chronic Kidney Disease: Results from The Chronic Renal Insufficiency Cohort Study

Rachel Shulman

Blood Pressure Monitoring

FR433

Estimating Inner-arm Length using Common Anthropometric Measures for Appropriate Blood Pressure Cuff Size Selection

Emily Aidoo

FR434

Morning Blood Pressure Surge Patterns in Premenopausal Versus Postmenopausal Women

Megan Bach

FR435

Artificial Intelligence-Enhanced Electrocardiography for the Detection and Prediction of Arterial Hypertension: A Systematic Review

Jose Arriola-Montenegro

FR436

Co-Designing An Evidence-Based Educational Support Package For Blood Pressure Management

Eleanor Clapham

FR437

Team Based Hypertension Management Led by the Community Health Worker and Pharmacist: Lessons Learned from the “LINKED-HEARTS” Program

Samantha DeMarco

FR438

Perceived Interpersonal Safety and Hypertension Diagnosis Among Women of Reproductive Age: Insights from the SAFE HEART Study

Chioma Ezuma

FR439

Discrepancies Between Office and Home Blood Pressure Measurement: Insights from a Prospective, Real World-Evidence Study in Cardiovascular Practices in Brazil

Lara Lopes Faco

FR440

Dual Chronic Care Management and Remote Patient Monitoring Enhances Blood-Pressure Reductions in a Real-World Cohort Analysis of Hypertensive Adults

Craig Flanagan

FR441

Remote Blood Pressure Monitoring Pharmacist-Led Telehealth Program in an ED Transition Care Clinic: Pilot Study

Lama Ghazi

FR442

The Association of Nocturnal Blood Pressure Patterns with BMI, Diabetes, and Cardiovascular Dysfunction

Delowar Hossain

FR443

A Small, Convenient, and Calibration-Free Absolute Blood Pressure Measurement Device Based on the Oscillometric Method

Omer T Inan

FR444

An In-Depth Review of the Clinical Value and Accuracy of Wearable Technology in Blood Pressure Monitoring

Inshal Jawed

FR445

Use of Digital Health Interventions to Control High Blood Pressure: A Systematic Review of Efficacy

Inshal Jawed

FR446

FLUDROCORTISONE VS MIDODRINE FOR ORTHOSTATIC HYPOTENSION: A RETROSPECTIVE COHORT STUDY

Shayan Iqbal Khan

FR447

Cardiovascular Outcomes in Heart Failure Patients With Hypertension Versus Tobacco Use: A Retrospective Cohort Study

Shayan Iqbal Khan

FR448

Blood pressure and heart rate patterns of patients diagnosed with acute coronary syndrome and underwent percutaneous coronary intervention

Tawitthep Leowattana

FR449

Intensive Systolic Blood Pressure Lowering Reduces Major Cardiovascular Events: A Meta-Analysis of 83,580 Patients

Junaid Nawab

FR450

The Use of Automated Blood Pressure Measurement Devices is Associated with Decreased Threshold Bias for Systolic Blood Pressure in a Large Healthcare System in Central and Northeastern Pennsylvania

Cara Nordberg

FR451

Evaluating Multi-Modal Recruitment Approaches and Enrollment Gaps in the LINKED-BP Hypertension Prevention Trial

Eniola Onaolapo

FR452

Early Life Stress is Associated with Reduced Nighttime Blood Pressure Dipping

Catheryn Orihuela

FR453

Digital Health Literacy and Patient Activation in Adults at Risk for Stage 2 Hypertension: Insights from the LINKED-BP Program

Vanessa Owusu-Agyemang

FR454

Lower the Pressure (LTP) initiative enhances blood pressure control quality improvement efforts in under-invested areas of New York State.

Kathleen Scanlin

FR455

Preclinical Evaluation Confirms Accuracy and Repeatability of Subcutaneous Ultrasound Blood Pressure Measurements

Erik Scott

FR456

Absence of Terminal Digit Preference in Blood Pressure Measurements in Primary Care: Results from the LINKED-BP Program

Sarah E Slone

FR458

Self-measured Blood Pressure Monitoring During Pregnancy and Postpartum, Return-on-investment for Medicaid Beneficiaries

Gregory Wozniak

FR459

Detection Of The Sodium-Sensitivity of Blood Pressure From 24-hour Ambulatory Blood Pressure Monitoring Data In The Dietary Approaches To Stop Hypertension – Sodium Trial

Xiangyu Zheng

BP Control and Adherence to Treatment

FR460

Association Between Food Insecurity and Hypertension Among Women of Reproductive Age in the SAFE HEART Study

Ana Barbara Baez Mateo

FR461

Hypertension Control Among Participants with Chronic Kidney Disease in the All of Us Research Program

Isaac Bohart

FR462

Development of a Web-Based Decision Aid in Health Behavior Change and Medication Management to Improve Hypertension Control: Using Human-Centered Design Principle

Yuling Chen

FR463

Associations Between Shared Decision-Making and Adherence to High Blood Pressure Therapy in Adults with Cardiometabolic Multimorbidity: The LINKED-HEARTS Program

Yuling Chen

FR464

CARDIOMETABOLIC DYSFUNCTIONS IN THE OFFSPRING OF FRUCTOSE-OVERLOADED RATS: ROLE OF THE CHOLINERGIC ANTI-INFLAMMATORY REFLEX

katia de angelis

FR465

Long-Term Systolic Blood Pressure Time in Target Range and Risk of Cardiovascular Disease Events in Community-Dwelling Older Adults

Michael E Ernst

FR466

DASH Diet and Dietary Nitrates in Blood Pressure Reduction: A Systematic Review of Nutritional Interventions

Inshal Jawed

FR467

Fecal Microbiota Transplantation for Primary Hypertension: A Systematic Review & Meta-Analysis

Madiha Kiyani

FR468

Utilizing a Health Equity Framework to Explore Patient-Level Factors Impacting Effective Hypertension Management Across Two Academic Health Systems

Justin Kramer

FR469

Mobile Health Interventions Significantly Enhance Medication Adherence and Blood Pressure Control in Hypertensive Adults: A Synthesis of Current Evidence

Masab A Mansoor

FR470

Why Is Hypertension Control So Inadequate in Patients with High Cardiovascular Risk in Spain?

Javier Nieto

FR471

Trends in Hypertension Prevalence by Insurance Status, Education, and Income in U.S. Adults (2019–2023)

Hrushikesh Reddy Pamreddy

FR472

Comparison of Deaths Preventable Through Improved Hypertension Control vs. Increased Utilization of Other Preventive Services

Scott Pilla

FR473

Leveraging a Learning Collaborative Framework to Drive Quality Improvement in Hypertension Management

Alizay Rizvi

FR474

Blood pressure control, cardiovascular complications, cardiovascular risk profile, and cardiovascular health among people with hypertension in rural communities in Thailand: a nationwide cross-sectional study

Boonsub Sakboonyarat

FR475

Hypertension-associated Thoracic Aortic Aneurysms and Dilatations Have Minimal Annual Growth in the Setting of Intensive Risk Factor Management

Carl Lawrence Vuyo Simela

FR476

Higher Engagement in Remote Patient Monitoring is Correlated with a Dose-Dependant Reduction in Systolic Blood Pressure from Stage-2 Cohorts

Wesley Smith

FR477

Implementing the CDC's Hypertension Management Program Toolkit in a Federally Qualified Health Center (FQHC)

Jenney Anne Stringer

FR478

Assessing the Knowledge and Perception of Hypertension Among Patients in a Cardiology Clinic

Sherif Eltawansy

Cardiac Hypertrophy and Dysfunction

FR479

A Quarter Century of Mortality Trends in Hypertension and Sick Sinus Syndrome Among Elderly in the United States

Sherif Eltawansy

FR480

A Quarter Century of Cardiovascular Risk: National Mortality Trends in Hypertension and Arrhythmias Among U.S. Adults Aged 55 and Older

Sherif Eltawansy

FR481

A Quarter Century of Cardiovascular Strain: Mortality Trends in Hypertension and Hypertensive Heart Disease Among U.S. Adults Aged 55+

Sherif Eltawansy

FR482

Trends and Disparities in Coronary Artery Disease Mortality Among U.S. Adults with Essential Hypertension (1999–2020)

Muhammad Awais Bin Abdul Malik

FR483

Differentiating Hypertension From Hypertrophic Cardiomyopathy: Clinical Value of Cardiac Magnetic Resonance Imaging in an Ethnically Diverse Cohort

Tracey Ketepe-Arachi

FR484

Short-Chain Fatty Acid Butyrate as a Potential Myocardial Energy Source Rescues Experimental Hypertensive Heart Failure

Kristin Kraeker

FR485

Galectin-3 as a Biomarker and Therapeutic Target in Hypertensive Left Ventricular Hypertrophy

Syed Rahman

FR486

Trends of Hypertension and HOCM outcomes heart failure, mortality, and arrhythmias compared to HOCM without Hypertension

Shaival Sharma

FR487

Impact of Hypertension on Outcomes in Cardiac Amyloidosis: Trends in Heart Failure, Mortality, and Arrhythmias Compared to Non-Hypertensive Cases

Shaival Sharma

FR488

Cardiorenal Dysfunction Caused by High Fat Diet and Sodium Oxalate Gavage in Mice

Amanda de Almeida Silva

Chronic Kidney Disease, Nitric Oxide Endothelin and Other Endothelial Factors

FR489

Drp1 in Myeloid Cells Protects Against Kidney Injury by Suppressing Dendritic Cell Activation and T Cell Accumulation

Xiaohan Lu

FR490

Comparative Effects of Canagliflozin and Pioglitazone on Biomarkers of Diabetic Kidney Disease in db/db Mice

Siri Minikuri

FR491

Outcomes in CKD Patients with Hypertensive Crises: A Retrospective Analysis

Navneet Sandhu

FR492

Intra-individual Differences in Estimated GFR with Incident Hypertension and the Mediating Role of Triglyceride Glucose Index

Fan Zhang

Clinical Trials in Hypertension and Related Morbidities

FR493

Immune Activation Driven by Circulating T Cell-Monocyte Complexes with Elevated IsoLG-Adducted Proteins in Postural Orthostatic Tachycardia Syndrome: Implications for New Antigen Formation and Persistent Inflammation

Marwa Ahmed Abd-Eldayem

FR494

Impact Of Systemic Hypertension On Cardiovascular Outcomes and Mortality in Cardiac Sarcoidosis Patients: A Real-World Analysis

Nimra Klair

FR495

Pre-Study Barrier Assessment for Resident-Led Screening in the Trials for Inclusion, Diversity, and Equity with Internal Medicine Study: Identifying Challenges Using the Consolidated Framework for Implementation Research

Alladdin Makawi

FR496

AHyReSolution: A ResNet-Based AI Solution for Automated Detection and Monitoring of Hypertensive Retinopathy

Tirth Paresh Patel

FR497

Efficacy and Safety of Lorundrostat in Hypertension Patients with High Unmet Medical Need: Subgroup Analyses of the Launch-HTN Trial in Uncontrolled and Treatment-Resistant Hypertension

Manish Saxena

FR498

Impact of Switching From High- to Low-Sodium Oxybate on Ambulatory and Office Blood Pressure in Subgroups of People With Narcolepsy From the XYLO Study

Virend K Somers

FR499

An Assessment of the Baseline Characteristics of Participants in the Pilot THRIVE Food is Medicine Study

India E. Washington

Cognition, Cerebrovascular Disease and Stroke

FR500

Gender, Racial, and Geographic Trends and Disparities in Mortality Due to Aortic Aneurysm and Dissection with Hypertension in Adults Aged 25 and Older in the United States

Zainab Humayun

FR501

Comparative Associations of High-sensitivity Troponins T and I with Neurocognitive Outcomes in SPRINT

Yee May Lwin

FR502

Cerebral Perfusion in the Heart-Brain Axis: Cardiovascular Determinants and Association with Subclinical Brain Injury

Ye Zhang

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

FR503

Mortality Trends in Essential Hypertension and Type 2 Diabetes Among Older Adults in the United States (1999-2024)

Muhammad Awais Bin Abdul Malik

FR504

Mortality Trends and Disparities for Essential Hypertension with Obesity in the United States (1999–2020)

Muhammad Awais Bin Abdul Malik

FR505

Mortality in Trends in Patients with Essential Hypertension and Hyperlipidemia in the United States: A Retrospective Analysis from CDC WONDER between 1999-2020

Muhammad Awais Bin Abdul Malik

FR506

Prevalence of Prediabetes, Associated Clinical Characteristics, and Effects on Blood Pressure and Arterial Stiffness in Young Adults in a Primary Care Setting

Nicole Arnold

FR507

Prevalence of Hypertension and Albuminuria Among Obese US Adults: A Cross-Sectional Study of NHANES 2003–2020

HAFIZ NOOR ULLAH NOOR ULLAH FAYYAZ

FR508

Geographic and Demographic Trends in Malnutrition and Hypertension Related Mortality in the United States from 1999 to 2020: Insights from CDC WONDER databse.

Zainab Humayun

FR509

Trends in Prevalence, Treatment, and Control of Cardiometabolic Risk Factors among Patients with Hypertension in the US, 1999-2023

Hyeok-Hee Lee

FR510

Increased neuronal activation and noradrenergic density in brain Areas Controlling Sympathetic Outflow in Adult Male Offspring with Prenatal Fentanyl Exposure

Analía S Loria

FR511

Sucrose elevates blood pressure in mice: a new metabolic model for human hypertension?

Yuki Nakayama

FR512

Spatio-Temporal Dynamics of Diabetes Prevalence: Structural and Environmental Drivers of Chronic Disease Burdens

Suresh Neupane

FR513

Clinical Trajectories of Diabetic Patients with Hypertensive Crises: A Retrospective Study

Navneet Sandhu

FR514

Efficacy of Alogliptin, a Dipeptidyl Peptidase-4 Inhibitor in Managing Type 2 Diabetes: A Systematic Review and Meta-Analysis

Mahwash Siddiqi

Gender Differences and Sex Hormones

FR515

Racial and Gender Disparities in Hypertension-Related Mortality Before and After COVID-19 Era: A National Analysis, 2018-2023

Dayana Gandhi Abousaid

FR516

Sex Difference Influences Sodium Appetite and the Cardiopulmonary Reflex but not the Salt-Sensitivity of the Blood Pressure in Wistar Rats

Leonardo Maximo Cardoso

Genetics, Epigenetics and Epidemiology

FR517

Urinary Cadmium Predicts Cardiovascular Events and Mortality Independent of Hypertension Status

Pao Hsien Hsien Chu

FR518

Isoform-Specific Regulation of lncRNA CASC15 in Endothelial Cells Under Hyperglycemic Stress

Warlley Rosa Cunha

FR519

Quantifying the Stroke Burden Attributable to Elevated Systolic Blood Pressure in G20 Countries: A Longitudinal, Stratified Analysis from 1990 to 2021

Hardik Dineshbhai Desai

FR520

Burden of Chronic Kidney Disease Due to Hypertension Attributable to Dietary Risk Factors: Global Trends and Regional Inequities (1990–2021)

Kushal Dudhat

FR521

Population-wide blood pressure reduction and estimated hypertension incidence, cardiovascular disease events, and healthcare costs in Black adults: A simulation using Jackson Heart Study data

Shakia T Hardy

FR522

Temporal Trends and Disparities in Mortality of Patients with Hypertension and Hepatobiliary Cancer in the United States: A Retrospective Analysis from 1999 to 2020

Adan Irfan

FR523

Renal Neuropeptide NPFF is Involved in the Response to Changes in Salt Ingestion

Hewang Lee

FR524

Hypertensive Renal Disease Mortality in the United States (1999–2023): A 25-Year Analysis of Trends and Sociodemographic Disparities

Joiven Nyongbella

FR525

Hypertensive Disease as a Contributor to Mortality in Mental and Behavioral Disorders: Insights from CDC WONDER database

Kesar Patel

FR526

A machine learning model for individualized risk prediction of ischemic heart disease in people with hypertension in Thailand

Boonsub Sakboonyarat

Hypertension and Aging

FR527

Hypertensive Heart Disease Burden Attributable to Non-Optimal Temperature: Analysis of the 1990–2020 Burden of Disease in United States

Shakir Al Ezzi

FR528

Deletion of RSK2 kinase alleviates age-dependent hypertension

Ramon J Ayon

FR529

Racial Disparities in Hypertensive Crisis Hospitalizations in the United States During the COVID-19 Pandemic era.

Bhavya Bommadi

FR530

Comparative Impact of Hypertension on Cardiovascular Outcomes in Non-Ischemic Versus Ischemic Cardiomyopathy: A Retrospective Cohort Study

Shayan Iqbal Khan

FR531

Outcomes in Hypertensive Patients With Systolic Versus Diastolic Heart Failure: A Retrospective Cohort Study

Shayan Iqbal Khan

FR532

Blood Pressure Control and Physical Activity Among US Medicare Population with Hypertension: Evidence from Rural South Carolina

Stella Lartey

FR533

Association Between Postprandial Hypotension Determined by Ambulatory Blood Pressure Monitoring and Falls Among Older Adults with Hypertension Who Are Taking Antihypertensive Medication: Results from the AMBROSIA Study

Keisuke Narita

FR534

Impact of Elevated Blood Pressure on Cardiovascular and Cerebrovascular Outcomes in Older Adults: A Propensity-Matched Analysis

Jigar Patel

FR535

IMPACT OF A MOBILE HEALTH CARDIOVASCULAR RISK SELF MANAGEMENT PROGRAM AMONG MEDICARE ADVANTAGE BENEFICIARIES

Walter Roberts

FR536

Hypertension-Driven Cardiovascular Mortality Disparities Among U.S. Veterans (1999–2021): A CDC WONDER Analysis

Ashish Sharma

FR537

Hypertension-Associated Cardiovascular Complications in Acute Pancreatitis: A Meta-Analysis of Incidence, Predictors, and Outcomes

Ashish Sharma

FR538

Evaluating the Effect of Hypertension on Aortic Stenosis and Cardiovascular Risk in a Real-World Population

Shaival Sharma

FR539

Association of High-Sensitivity C-Reactive Protein with Hypertension in Non-Elderly Patients: An Analysis of the 2017 - 2020 National Nutrition Health Examination Survey

Ekamol Tantisattamo

FR540

Sex Disparity for the Association Between Within-Visit Systolic Blood Pressure Variability and Hypertension

Panchanit Yongkiatkan

FR542

Proteomic Markers of Target Organ Damage in Hypertension: A Systematic Review of Biomarker Discoveries and Clinical Implications

Inshal Jawed

Microbiome, Infection and Hypertension

FR543

Gut Microbiota and Blood Pressure Regulation: A Systematic Review of Microbial Influences on Hypertension

Inshal Jawed

FR544

Good Sustainable Practice in Biomedical Research: Toward Energy-Efficient Experimental Design and Precision Interventions

Gelsomina Kaufhold

FR545

Acute Kidney Injury Severity and Inflammatory Response in Wildling Mice with a Natural Microbiome

Gelsomina Kaufhold

FR546

Microbiome Presence And Variability In Perivascular Adipose Tissue: A Whole-Genome Sequencing Study In SS-Dahl Rats.

Sameera Mahimkar

FR547

Trends in hypertension-related mortality among adults with bacterial infection in the United States over 1999–2020: A CDC WONDER analysis

Mengyuan Shi

Neurogenic Mechanisms

FR548

High Salt Diet from Weaning Evokes Salt Sensitive Hypertension and Opposing Renal versus Lumbar Sympathetic Responses to Acute Hypernatremia in Wistar Rats.

Leonardo Maximo Cardoso

FR549

Deletion of NaX (Scn7a) Channel Does Not Attenuate Central NaCl- or DOCA-Salt-Induced Hypertension in Rats

Caroline Ferreira

FR550

Galantamine May Exert Its Beneficial Effects in SLE Hypertension Through Divergent Pathways

Keisa W Mathis

FR551

Neuroinflammation Drives Sympathetic Activation in Chronic Kidney Disease

Ravindra K Sharma

FR552

Sympathoexcitatory Response to Intrarenal Chemokines are Mediated By The Hypothalamic Paraventricular Nucleus Independent of the Rostral Ventrolateral Medulla

Sean D Stocker

FR553

Sympathetic Transduction is not Augmented in Veterans with Post-Traumatic Stress Disorder

Matias Zanuzzi

Non-Pharmacological Therapy (Alternative Medicine; Diet; Physical Activity)

FR554

Impact of Omega-3 Fatty Acid Supplementation on Blood Pressure in Patients on Antihypertensive Medications: A Systematic Review

Viraj Bhatt

FR555

Digital Access and Cardiovascular Health: Evidence from the Roots of Wellness Trial Baseline Data

Joyline Chepkorir

FR556

The Role of Gut Microbiota in Hypertension: A Systematic Review

Ragini Gopagoni

FR557

The Effect of Yogic Breathing (Pranayama) on Heart Rate and Blood Pressure in Patients with Hypertension: A Systematic Review and Meta-Analysis

Laxminarasimha Reddy Kundoor

FR558

Effect of Rice Diet on Survival and Retinal Healing in Patients with Malignant Hypertension

Friedrich C Luft

FR559

Risks of hyperkalaemia with potassium-enriched salt substitute among patients using concomitant blockade of the renin-angiotensin-aldosterone system in the Salt Substitute and Stroke Study

Xuejun Yin

Oxidative Stress, Inflammation, Immunity and Cytokines

FR560

Similarities of T cells contributing to Experimental Hypertension and Psoriasis

Wei Chen

FR561

Angiotensin II Infusion Promotes Splenic T Cell Response To Ex Vivo Polyclonal Activation In C57Bl/6J Mice

DEVON DATTMORE

FR562

Inflammation in Resistant Hypertension: A Systematic Review of Pathophysiology and Therapeutic Targets

Zaraq Khan

FR563

Hypertension Exacerbates Aortic Dissection via Trained Immunity in MHCII+ Resident Macrophages

Shiyi Li

FR564

Cardiac and Inflammatory Biomarkers in Community Adults with Prior SARS-CoV-2 Infection and Hypertension

Gbolahan Deji Olatunji

FR565

Neuropilin-1 expressed by monocytes-derived Dendritic Cells initiates the splenic immune response in hypertension

Sara Perrotta

FR566

Sex Differences in Cytokine Response by Activated T Cells Derived from Hypertensive BPH/2 and Normotensive BPN/3 Mice

Cheryl Rockwell

FR567

Prognostic significance of dynamic monitoring of the systemic immune-inflammation index in idiopathic pulmonary arterial hypertension

Jindong Wan

FR568

Increased Interstitial Osmolarity in Early Salt-Sensitivity Contributes to Renal Damage and Cytokines

Brandi M Wynne

Patient-Provider-Healthcare System Issues

FR569

Patient Education For Blood Pressure Management In Primary Care Is Unstandardised: Perspectives From Patients And Primary Care Practitioners

Eleanor Clapham

FR570

They Told Me My Numbers Were High - Emergency Department Management of Asymptomatic Hypertension Based on Referral Status

Aleksandra Degtyar

FR571

The Deadly Intersection of Sepsis-Related Mortality and Comorbid Hypertension in US Adults Aged 55 and Older From 1999 Till 2023

Sherif Eltawansy

FR572

Hospital Characteristics on Outcomes of Patients With Hypertensive Emergency: A National Inpatient Analysis

Shaunak Ganju

FR573

More than Just Numbers: Uncovering Socioeconomic Disparities in Patients with Hypertensive Emergencies

Navneet Sandhu

Pediatric and Adolescent Hypertension

FR574

Functional Validation of HMCN1 as a Candidate Gene for Childhood-Onset Essential Hypertension

Kuki Davey

FR575

Exposure to Air Pollution Associated to Reduced Brain Volume in Young Adolescents, Mediated by Hypertension

Augusto Cesar Ferreira De Moraes

FR576

The Paradox of Performance: Hypertension Among Young Athletes — A Systematic Review and Meta-Analysis of Risks behind Fitness

Inshal Jawed

FR577

Pregnancy-Induced Hypertension and Offspring Cardiovascular Risk: A Systematic Review of Long-Term Outcomes

Inshal Jawed

FR578

Pediatric Hypertension Guidelines and Early Cardiovascular Risk: A Systematic Review of Evidence and Implications

Inshal Jawed

FR579

In Youth-Onset Hypertension, Mental, Behavioral, and Emotional Health Diagnoses Increase Baseline Dietitian Referrals but Not Medication or Echocardiogram Orders

Khaled Shihabi

Pregnancy, Preeclampsia and Developmental Programming

FR580

Supporting Hypertensive Disorders of Pregnancy Research with Evidence Mapping – A Novel Biomarker Characterization Tool

Brandiese Beverly

FR581

Differential Immune Cell Composition in the Uterine Artery Perivascular Adipose Tissue Precedes Pregnancy in the Obese and Preeclamptic-Like BPH/5 Mouse

DEVON DATTMORE

FR582

STAC-MyHEARTp: A randomized controlled trial of health coaching and self-measured blood pressure to increase health care engagement and blood pressure control in the first year postpartum

Kara Kjersten Hoppe

FR583

Patient Journey Mapping To Understand Black Women's Experiences With Hypertensive Disorders Of Pregnancy: Insights From Patients, Healthcare Providers, And Perinatal Support Workers

Noelene Kimiko Jeffers

Proteomics and Metabolomics

FR585

Cell-type-specific metabolic characteristics in the human kidney

Shima Sadri

Renal Hemodynamics, Tubular Transport, Salt, Renovascular Hypertension

FR586

Collecting Duct Renin Contributes to 2-Kidney, 1-Clip-Induced Renovascular Hypertension and Ischemic Nephropathy In Mice

Ziwei Fu

FR587

Loss of SNX19 Reduces Dopamine 1 Receptor Protein Expression in the Kidney and Increases Blood Pressure in Mice

Hewang Lee

FR588

Ischemia Reperfusion Injury Alters Transporters along Entire Female Rat Nephron

Alicia A McDonough

FR589

Intermittent Hypoxia during Inactive Phase causes Non-dipping pattern of Blood Pressure by NCC and NKCC2 activation in the kidney of mice.

Kohei Ueda

Renin-Angiotensin System

FR590

Comparison between hypertension, ACE polymorphism, BMI, blood glucose and food consumption in elderly quilombolas and two urban populations

CARLOS EDUARDO NEVES AMORIM

FR591

Enzymatic activity evaluation of site-directed mutations in the N-domain of Angiotensin-Converting Enzyme (ACE) and interaction with specific substrates

Dulce E Casarini

FR592

Association of Pre-Donation Plasma Aldosterone Concentration:Plasma Renin Activity Ratio with Post-Donation Systolic Hypertension in Living Kidney Donors

Vishwaas Gangeddula

FR593

Effects of High Salt and Ketone Supplementation on Renin-Angiotensin-Aldosterone System Activity in Apparently Healthy Adults

Soolim Jeong

FR594

Distal-tubule-specific enhancement of ATRAP suppresses angiotensin II-induced hypertension

Eisuke Kubo

FR595

Boosting Survival, Raising Questions: Sacubitril/Valsartan Use in Left Ventricular Assist Device Patients: A Propensity-Matched Analysis of Five-Year Real-Word Outcomes from A National Cohort

Rayan Salih

FR596

Use of 1-sar-8-ala-angiotensin II as a measure of angiotensin II peripheral vascular sensitivity to study its role and its hypertension phenotypes.

Gunnar Anderson

FR597

A Key Role of Proximal Tubule Renin-Angiotensin System in The Kidney in The Development of Kidney Ischemia and Reperfusion Injury

Jia L Zhuo

TH283

eGFR Status and Screening Parameters for Primary Aldosteronism

Jonathan David Ravid

Resistant Hypertension

FR598

Impact of Renal Denervation with Symplicity Spyral on Hypertension Management Stratified by Obesity: Findings from a Pilot Study in Kuwait

abdullah alawadi

FR599

There is Heterogeneity of Aldosterone Dysregulation and Clinical Outcomes in Patients with the Lateralizing or Unilateral Primary Aldosterone Phenotype according to the Magnitude of Suppression of Contralateral Aldosterone Secretion

Albert Botchway

FR600

Laparoscopic-assisted Renal Denervation for Resistant Hypertension in End-Stage Renal Disease: A Preliminary Case Series Study

Jiapeng Chu

FR601

Assessing the Impact of Aprocitentan on Systolic and Diastolic BP in Patients with Isolated Systolic Hypertension (ISH)-like Characteristics

John M Flack

FR602

Prevalence and Predictors of Screening for Primary Hyperaldosteronism in Adults with Hypertension

Kevin Hwang

FR603

A durable reduction in blood pressure by ultrasound renal denervation: A real-world, single center experience

Jordan Brewer King

FR604

Adaptation of the AHA Heart Health Promotion Model for Black Americans with Among the Highest Community Rates of Hypertension Morbidity and Mortality

Linda Denise Oakley

FR605

Efficacy and Safety of Renal Denervation in Resistant Hypertension: A Meta-Analysis of Contemporary Randomized Controlled Trials (2010-2025)

Kaushal Patel

FR606 T

he effect of aprocitentan in patients with very high blood pressure at baseline

Michael A Weber

Vascular Biology, Remodeling, Dysfunction, Stiffness

FR607

Piezoelectric Activity of Perivascular Adipose Tissue: Implications on the Physiological Function of the Thoracic Aorta

Treana Arinzeh

FR608

Cross-species single nucleus RNA-sequencing of white adipose tissue: Nuclei isolation optimization across rodent and bovine models

Andres Contreras

FR609

Integrated Analysis of Plasma Oxylipins and PVAT Gene Networks in a Diet-Induced Hypertensive Rat Model

Andres Contreras

FR610

Gap Junction Communication Facilitates Perivascular Adipose Tissue Function; Loss in Hypertension?

Stephanie W Watts

FR611

Vascular Smooth Muscle Cell Notch3 Modulates Brown Adipose Tissue Inflammation and Effects on Contraction Through Nox4

Augusto C Montezano

FR612

Cocaine Use, Hypertensive Emergency, and Aortic Dissection: A Nationwide Trend and Outcome Analysis from 2016–2021

Anil Mathew Philip

FR613

The Effects of Vasomotor Symptoms on Endothelial Function in Midlife Women

Emily Shaw

FR614

Hepatic Autophagy Deficiency Increases ANGPTL4 Biosynthesis And Reduces Vascular Contractility Through Integrin Signaling in Spontaneously Hypertensive BPH/2J Mice

Cam McCarthy