

## Poster Session Schedule

*Poster sessions take place in Back Bay Ballroom and Republic Ballroom.  
Specific rooms can be found on the schedule at a glance distributed onsite at registration*

<b>Tuesday, March 17</b> <b>5:00 – 7:00 PM</b>		
<b>MODERATED POSTER SESSIONS</b> <b>(moderated portion takes place 5:30 – 6:30 PM)</b>	<b>Poster Numbers</b>	<b>Moderator</b>
<a href="#"><b>MPS01</b></a>	<b>Heath Tech/Big Data/Machine Learning/AI + Mobile Health Tech and Wearables</b>	MPTU 01-06
<a href="#"><b>MPS02</b></a>	<b>Diabetes</b>	MPTU 07-12
<a href="#"><b>MPS03</b></a>	<b>Non-Medical Drivers of Health</b>	MPTU 14-18
<a href="#"><b>MPS04</b></a>	<b>Nutrition and Diet 1</b>	MPTU 19-24
<b>POSTER SESSIONS</b>		
	<a href="#"><u>Aging and Physical Function</u></a>	TU99- 111
	<a href="#"><u>Cardiovascular Kidney Metabolic Health 1</u></a>	TU112 - 121
	<a href="#"><u>Childhood and Youth</u></a>	TU122 - 135
	<a href="#"><u>Drugs, Alcohol and Tobacco Use</u></a>	TU136-141
	<a href="#"><u>Environmental Exposures</u></a>	TU142-151
	<a href="#"><u>Hypertension 1</u></a>	TU152-165
	<a href="#"><u>Nutrition and Diet 1</u></a>	TU166-178
	<a href="#"><u>Omics (Genetic)</u></a>	TU179-184
	<a href="#"><u>Omics (Non-Genetic)</u></a>	TU185-196
	<a href="#"><u>Physical Activity/Sedentary Behavior 1</u></a>	TU197-211
	<a href="#"><u>Pregnancy and Maternal and Fetal Health</u></a>	TU212-224
	<a href="#"><u>Preventive Cardiology 1</u></a>	TU225-238
	<a href="#"><u>Psychosocial Factors 1</u></a>	TU239-249
	<a href="#"><u>Public Health/Policy 1</u></a>	TU250-259
	<a href="#"><u>Sleep Behavior and Sleep Disorders</u></a>	TU260- 272
	<a href="#"><u>Women’s Health 1</u></a>	TU273-283
<b>Wednesday, March 18</b> <b>5:00 – 7:00 PM</b>		
<b>MODERATED POSTER SESSIONS</b> <b>(moderated portion takes place 5:30 – 6:30 PM)</b>	<b>Poster Numbers</b>	<b>Moderator</b>

<a href="#"><u>MPS05</u></a>	Pregnancy and Womens Health	MPWE 25 - 30	<b>Marie-France Hivert, MD</b>
<a href="#"><u>MPS06</u></a>	Aging/Neurocognition and Brain Health	MPWE 32 - 36	<b>Ganga Bey, PhD, MPH</b>
<a href="#"><u>MPS07</u></a>	Nutrition 2	MPWE 37-41	<b>Liliana Aguayo, PhD, MPH</b>
<a href="#"><u>MPS08</u></a>	OMICS 1	MPWE 43- 48	<b>Curtis Tilves, PhD</b>
<a href="#"><u>MPS09</u></a>	NHLBI Moderated Posters (part of Satellite event- not listed below)	MPWE 48 -53	
	<b>POSTER SESSIONS</b>		
	<a href="#"><u>Arrhythmia   Sudden Death</u></a>	WE400 - 409	
	<a href="#"><u>Biomarkers</u></a>	WE410 - 416	
	<a href="#"><u>Cardiovascular Kidney Metabolic Health 2</u></a>	WE417-425	
	<a href="#"><u>Climate Change/Planetary Health/One Health</u></a>	WE426-429	
	<a href="#"><u>Diabetes 1</u></a>	WE430-445	
	<a href="#"><u>Global Health</u></a>	WE446-454	
	<a href="#"><u>Hypertension 2</u></a>	WE455-467	
	<a href="#"><u>MI and Heart Failure</u></a>	WE468-483	
	<a href="#"><u>Non-Medical Drivers of Health 1</u></a>	WE484-501 TH835,TH898	
	<a href="#"><u>Nutrition and Diet 2</u></a>	WE502-513	
	<a href="#"><u>Obesity and Adipose Tissue Distribution</u></a>	WE514-525	
	<a href="#"><u>Physical Activity/Sedentary Behavior 2</u></a>	WE526-539	
	<a href="#"><u>Preventive Cardiology 2</u></a>	WE541-554	
	<a href="#"><u>Public Health/Policy 2</u></a>	WE555-563	
	<a href="#"><u>Stroke</u></a>	WE564-571 and WE571A	
	<a href="#"><u>Surveillance</u></a>	WE572-573	
	<a href="#"><u>Vaccines and Infections</u></a>	WE574-576	
	<a href="#"><u>Workplace Health/Occupational Health</u></a>	WE577-578	
<b>Thursday, March 19</b>			
<b>5:00 – 7:00 PM</b>			
<b>MODERATED POSTER SESSIONS</b> (moderated portion takes place 5:30 – 6:30 PM)		<b>Poster Numbers</b>	<b>Moderator</b>
<a href="#"><u>MPS10</u></a>	Hypertension	MPTH 55- 60	<b>Eugene Yang, MD, MS</b>
<a href="#"><u>MPS11</u></a>	Physical Activity	MPTH 61-66	<b>Tiwaloluwa Ajibewa, PhD</b>
<a href="#"><u>MPS12</u></a>	CKM and Obesity	MPTH 67 -72	<b>Sophie Claudel, MD</b>

<b>MPS13</b>	<b>OMICS 2</b>	MPTH 73 -78	<b>Changwei Li, MD, PhD</b>
	<b>POSTER SESSIONS</b>		
	<u>Cardio-Oncology</u>	TH800- 805	
	<u>Clinical Trials and Intervention Studies</u>	TH806-812	
	<u>Diabetes 2</u>	TH813-828	
	<u>Health Services Research, Outcomes and Practice Improvement</u>	TH829-840	
	<u>Health Tech/Big Data/Machine Learning/AI</u>	TH841-854	
	<u>Implementation Science</u>	TH855-861	
	<u>LGBTQ Health</u>	TH863	
	<u>Lipids &amp; Lipoproteins</u>	TH864-874	
	<u>Methodology and Data Science</u>	TH875-879	
	<u>Mobile Health Technology and Wearables</u>	TH880-882	
	<u>Neurocognition and Brain Health</u>	TH883-894	
	<u>Non-Medical Drivers of Health 2</u>	TH896-913	
	<u>Nutrition and Diet 3</u>	TH914-925	
	<u>Peripheral Artery Disease and Venous Thrombosis</u>	TH926-927	
	<u>Pharmacoepidemiology</u>	TH928-935	
	<u>Promoting and Measuring Health Behaviors</u>	TH936-943	
	<u>Psychosocial Factors 2</u>	TH944-953, MPTU13	
	<u>Risk Prediction</u>	TH954-964	
	<u>Subclinical Cardiovascular Disease</u>	TH965-974	
	<u>Women's Health 2</u>	TH975-985 and TU150	

## Tuesday, March 17

### Moderated Poster Sessions:

#### MPS01

**Health Tech/Big Data/Machine Learning/AI + Mobile Health Tech and Wearables**

**Moderator:** Ming Ding, MD. PhD

MPTU01

**Utilization of Long-Term Ambulatory Continuous Electrocardiographic Monitoring Has Increased between 2009 and 2022 in the United States**

Shengyuan Luo

MPTU02

**Wearable Data Sharing Preferences for Research Purposes Among U.S. Adults: From Attribute Development to Interactive Dashboard for Research Study Design Optimization**

Shanshan Song

MPTU03

**A “numerical autopsy” of out-of-hospital cardiac arrest: reclassifying unknown etiologies from five years of nationwide health data**

Xavier Jouven

MPTU04

**Sex- and Disease-Stratified Performance of Federated Learning for Multi-Label Cardiovascular Disease Detection: A Real-World ECG Analysis**

Andrew Bouras

MPTU05

**Explainable Stroke Risk Prediction Using Machine Learning and Large Language Models: Toward a Mobile-Enabled Clinical Decision Support Application**

Isheeta Gupta

MPTU06

**Prediction of cardiovascular diseases using statistical and machine learning approaches: The Strong Heart Study**

Mohammad Anwarul Islam

**MPS02**

**Diabetes**

**Moderator: Luis Rodriguez, PhD**

MPTU07

**Patterns of one-year change in HbA1c and Continuous Glucose Monitoring (CGM) Metrics in Older Adults with Type 2 Diabetes**

Tianyu Cao

MPTU08

**Semaglutide versus liraglutide and incidence of diabetes and cardiovascular disease: a target trial emulation using real-world data**

Ethan Cannon

MPTU09

**Gut Microbiome Mediates Diet-Driven Diabetes Risk in American Indians**

Guanhong Miao

MPTU10

**Metformin Use, Gene Expression, and Cardiometabolic Health in People with Diabetes: the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Ping Wu

MPTU11

**Prediabetes Progression In Young American Adults: A Pooling Project**

Mary R Rooney

MPTU12

**Impact of the DASH4D Diet on Post-prandial Glucose Patterns assessed by Continuous Glucose Monitoring in Adults with Type 2 Diabetes**

Joseph Sartini

**MPS03**

**Non-Medical Drivers of Health**

**Moderator: Anika Hines, PhD, MPH**

MPTU14

**Social Determinants of Health and Incident Heart Failure among Black and White Individuals: The REasons for Geographic And Racial Differences in Stroke Study**

Abu Abdullah Mohammad Hanif

MPTU15

**Awareness of and Response to Myocardial Infarction and Stroke Symptoms Among Cancer Survivors in the United States**

Reed Mszar

MPTU16

**Individual-level Social Determinants of Health and High-Risk Behavioral Engagement Among Puerto Rican Young Adults: PR-OUTLOOK Study**

Mary Lee

MPTU17

**A Culturally Tailored, Fully Cost-Offset Community-Supported Agriculture (CSA) Program To Improve Food Security And Diet In New York City**

Madison N. LeCroy

MPTU18

**Single Family Zoning and Optimal Cardiovascular Health Measured using the American Heart Association's Life's Essential 8 in the Multi-Ethnic Study of Atherosclerosis**

Ebiere Okah

**MPS04**

**Nutrition and Diet 1**

**Moderator: Sparkle Springfield, PhD**

MPTU19

**Gut Microbiota, Plasma Hippuric Acid, Fiber Intake, and Cardiometabolic Health in U.S. Populations.**

Xiaowen Wang

MPTU20

**Ultra-Processed Food Intake, Lipidomics, and Incident Cardiovascular Disease in American Indians: A Longitudinal Study**

Xiaoxiao Wen

MPTU21

**Proactive Outreach May Mitigate Disengagement in Electronic Healthy Eating Interventions: A Qualitative Study**

Tamar Klaiman

MPTU22

**Glucose-based Infant Formula Is Associated with Elevated Risk of Rapid Infant Weight Gain**

Christopher Anderson

MPTU23

**A Payor-Supported, Post-Discharge Medically Tailored Meal Intervention Reduces Readmissions and Medical Spending in Medicare Advantage Members**

Amanda L Zaleski

MPTU24

**Associations between Dietary and Circulating B-Vitamins and Incident Stroke: Evidence from Two Large Prospective US Cohorts**

Xinge Zhang

## **Posters:**

### **Aging and Physical Function**

TU99

**Changes in DNA methylation-based biological aging predict structural and vascular brain damage in older adults: Age, Gene/Environment Susceptibility - Reykjavik Study**

Nigus G. Asefa

TU100

**Assessment of the Sarcopenia Index for Detecting Sarcopenia in the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study**

Chibuike Joseph Alanaeme

TU101

**Hypothetical Reallocations of Sedentary Time with Light Intensity Physical Activity and Physical Function in the CARDIA Study**

Sylvia Badon

TU102

**Association between Dementia Caregiving and Psychological Health, Physical Activity, and Heart Rate Variability: Women and Caregivers Study**

Shivangi Bajpai

TU103

**Adherence to the Mediterranean diet and some related serum metabolites are strongly associated with epigenetic biomarkers of aging in Mediterranean subjects**

Oscar Coltell

TU104

**Reduced Cardiorespiratory Fitness and Chronotropic Incompetence in the Setting of HIV: Findings from the HEALTH Multicenter Randomized Clinical Trial**

Matthew S Durstenfeld

TU105

**Depression and Physical Rehabilitation in Older Patients with Heart Failure: An Analysis from the REHAB-HF study**

Shabatun Islam

TU106

**Lipid metabolites associated with cognitive function among general Japanese men: SESSA-MWAS**

Aya Kadota

TU107

**Guideline-Based Pharmacotherapy Eligibility Among Older Adults with Stage I Hypertension**

Sridhar Mangalesh

TU108

**Orthostatic Blood Pressure Phenotypes are Associated with Night-Time Blood Pressure Non-Dipping in Older Adults: The Atherosclerosis Risk in Communities (ARIC) Study**

Dhrumil Patil

TU109

**Sex Differences in Frailty Phenotypes among Older Adults with Cardiovascular Disease**

Mary C Roberts Davis

## **Cardiovascular Kidney Metabolic Health 1**

TU110

**Latent Classes of Health-Related Social Needs and Associated Cardiovascular Risk in US Older Adults: Findings from the National Health and Aging Trends Study (NHATS)**

Aaron L Troy

TU111

**Advanced Peripheral Neuropathy is Associated with Death in Older Adults**

Yuan-Haw Andrew Wu

TU112

**SGLT2 inhibitors Improve Cardiovascular Outcomes in Patients with Transthyretin Amyloid Cardiomyopathy**

Muhammad Sohaib Asghar

TU113

**Implementing a Community-based Cardiovascular-Kidney-Metabolic Health Program: An FQHC & AMC Partnership**

Jocelyn A Carter

TU114

**The Neighborhood Built Environment and Cardiometabolic Risk Factors in The Bogalusa Heart Study**

Jenilee Cueto

TU115

**Cardiovascular-Kidney-Metabolic Stage Three Prevalence in the Community: A Comparison of Different Criteria**

Danielle N. Davis

TU116

**Prevalence, Temporal Trends, and Risk Factors of Hyperkalemia in U.S. Adults: NHANES 2001–2023**

Wanjin Guan

TU117

**Ecological momentary assessment of sleep disturbances, fatigue, and physical activity among Thai older adults receiving hemodialysis**

Thanakrit Jeamjitvibool

TU118

**Longitudinal Trajectories of Kidney Function in Heart Failure: A community study**

Ji-Eun Kim

TU119

**Correlation between plasma atherosclerosis index (AIP) and in-hospital mortality in STEMI patients with and without LDL cholesterol control: findings from The Chinese Cardiovascular Association (CCA) Database-Chest Pain Center**

yuansicheng liang

TU120

**MS#1072 Association of chronic kidney disease with COVID-19 disease severity in the Hispanics/Latinos: the HCHS/SOL study**

Carmen E Mendoza

TU121

**Life's Essential-8 Cardiovascular Health Metrics, Carotid Intima-Media Thickness, and Carotid Plaque: A Cross-Sectional Study among Japanese Men**

Rajib Mondal

**Childhood and Youth**

TU122

**Disproportionate Impact of Cardiomyopathy and Myocarditis on Youth and Males in North Africa and Middle East: Regional Burden and Trend from 1990-2021**

VISHRANT PRAFULCHANDRA AMIN

TU123

**Indicators of Cardiovascular Risk Factors in Hispanic Children**

Andrea Bahamundi Torres

TU124

**Challenges in Assessing Exercise Impairment in Adolescent Obesity: Insights From Cardiopulmonary Exercise Testing**

Jasmine Yimeng Bao

TU125

**Lessons Learned from Assessing Body Composition in 24-Month-Old Children Using Air Displacement Plethysmography**

Alex Crisp

TU126

**Parents are Receptive to Childhood Blood Pressure Screening in Non-Clinical Settings**

Melissa Goulding

TU127

**Maternal gestational diabetes and childhood hypertension risk**

Gang Hu

TU128

**Longitudinal Association Between Healthy Lifestyles and Cardiometabolic Risk in School-Aged Children**

Yifei Hu

TU129

**Stress, Sleep, and the Heart: Identifying Early Biomarkers of Cardiovascular Risk in Puerto Rican Children**

Yaritza Inostroza-Nieves

TU130

**Food Insecurity and Pediatric Heart Health in US**

Jenil Patel

TU131

**Agreement Between Parent-Report and Electronic Health Record Body Mass Index Among Children in the Young Hearts Study**

Lucia Petito

TU132

**Health Behaviors of Middle School Children by Community Type: Metropolitan, Micropolitan, and Rural**

Emma Smith

TU133

**Childhood and Adolescent Internalizing and Externalizing Symptom Trajectories and Cardiovascular Health in Young Adulthood: The Future of Families–Cardiovascular Health Among Young Adults study**

Masayuki Teramoto

TU135

**Stress Among Parents and Caregivers of Children with and without Chronic Health Conditions: the Young Hearts Study**

Rachel Zmora

## **Drugs, Alcohol and Tobacco Use**

TU136

**Quantifying the Rising Burden of Heart Failure Due to Cocaine Use in High-Income Countries: A 34-Year Global Perspective**

Hardik Dineshbhai Desai

TU137

**Concordance of prenatal tobacco smoking, vaping, and cannabis use between electronic health records and self-administered research surveys**

Waylon Henggeler

TU138

**Cannabis Legalization and Emerging Adult Risk: A Cross-Sectional Analysis**

Jessica Nichole Holtzman

TU139

**Demographic and Regional Burden of Opioid Dependence Disorder in the All of Us Cohort**

Faysal Ahmed Imran

TU140

**Predictors of Smokeless Tobacco and Paan Initiation During the School-to-Work Transition Among Indian Adolescents: A Prospective Cohort Study**

Jugal Bhatt

TU141

**Smoking-Related Proteins and Incident Chronic Obstructive Pulmonary Disease Hospitalizations: The Atherosclerosis Risk in Communities (ARIC) Study**

Jeffrey R Misialek

## **Environmental Exposures**

TU142

**Global Burden and Trends in Heart Failure due to Pneumoconiosis From 1990 to 2023: A Comprehensive Benchmarking Analysis**

VISHRANT PRAFULCHANDRA AMIN

TU143

**Indoor Radon Concentrations Are Associated With Incident Heart Failure Among Postmenopausal Women in the United States**

Shu Chen

TU144

**The Rising Toll of Environmental Toxins: An Age-, Sex-, and Region-Stratified Analysis of Cardiovascular Disease Attributable to Lead Exposure Across 204 Countries (1990–2023)**

Hardik Dineshbhai Desai

TU145

**Associations between per- and polyfluoroalkyl substance (PFAS) levels during early pregnancy and circulating cardiovascular proteins in women at 3 years postpartum: results from Project Viva**

Benjamin Grobman

TU146

**The Association of Inorganic Arsenic Exposure with Hypertension and High Blood Pressure among African Caribbean Adults in Tobago**

NUSRAT JAHAN

TU147

**Association Of Perfluorooctanoic Acid With Cardiovascular Disease In The United States**

Ose Kadiri

TU148

**Predicted Shallow Groundwater Nitrate Concentrations Have Little Effect on the Association between Private Well Use and Rates of Hypertensive Heart Disease, Ischemic Heart Disease, and Stroke/Cerebrovascular Deaths in Alabama**

Helen Moylan

TU149

**Indoor Environmental Exposures and Pediatric Heart Conditions in US**

Jenil Patel

## **Hypertension 1**

TU151

**The independent and joint effects of toxic elements on cardiovascular disease risk: A case-control study in the ELSA-Brasil cohort.**

Bo Yang

TU152

**Excluding Pseudohypertension to Improve Hypertension Management Through Blood Pressure Device Validations in Cardiac Rehabilitation**

Humberto Jose Andrade

TU153

**Demographic and Geographic Disparities in Ischemic Stroke Mortality with Comorbid Hypertension: A Nationwide Analysis, 2000–2020**

Perisa Ashar

TU154

**Apparent Resistant Hypertension in US Adults: Temporal Trends, Renal Denervation Eligibility, and the Impact of Isolated Systolic Hypertension**

Ketum Ateh Stanislas

TU155

**Health-Related Social Needs and Hypertension Awareness, Treatment, and Control among Community-Dwelling Black Men**

Victor Baylon-Valdez

TU156

**A Single Hypertensive Measurement Independent of an Average of Three Measurements is Associated with a Higher Risk of Cardiovascular Disease**

Ashley A. Berlot

TU158

**Improving Hypertension Through Self-monitoring and Target Blood Pressure**

Nicole Cabrera-Heiring

TU159

**Association Between Life's Essential 8 and Hypertension Control: Evidence From NHANES 2021–2023**

Kwabena Nana Achiaw Dankwa

TU160

**Health Care Access and the Hypertension Care Cascade Among Adults With Hypertension in NHANES 2021–2023**

Kwabena Nana Achiaw Dankwa

TU161

**Raised Blood Pressure and its Awareness and Control Surveillance in Adults: Italian Health Examination Survey 2023-2025 - CUORE Project**

Chiara Donfrancesco

TU162

**Association Between Perceived Risk of Hypertension and Healthcare Utilization among Black Adults with Elevated Blood Pressure or Untreated Stage 1 Hypertension: Findings from the RESTORE Network**

Medha Dubal

TU163

**Self-Measured Blood Pressure Monitoring Programs: Who are they good for?**

Meredith Stevenson Duncan

TU164

**Educational Attainment and Systolic Blood Pressure Trajectories Among Midlife Women in the Study of Women's Health Across the Nation**

Joshua Garfein

TU165

**Awareness, Treatment, and Control of Hypertension in Young Adults Before and After National Health Screening Expansion in South Korea**

Sang Gyeong Lee

**Nutrition and Diet 1**

TU166

**Food Insecurity, Food Assistance, and Cardiovascular Disease Risk Factors Among U.S. Adults**  
Ali Alfalki

TU167

**A Culturally Competent Journey in Nutrition Education**  
Shelby Banks

TU168

**Diet Quality: Magnitude and Predictors of Change in Response to a Six-Month Physical Activity Intervention**

Britney Nicole Beatrice

TU169

**Healthy Dietary Patterns Are Associated With Lower Cardiovascular Risk and All-Cause Mortality Among Hypertensive Adults**

Szu-Han Chen

TU170

**Evidence and Gap Map Summarizing the Relationship between Supplemental Potassium and CVD-related Indicators and CVD Morbidity and Mortality**

Jessica Cheng

TU171

**Marginal food security is associated with higher waist-to-height ratio in college students: Findings from the FRESH Study**

Gwen Chodur

TU172

**Sodium and Potassium in 24-h Urine among Adults: Italian Health Examination Survey 2023-2025 - CUORE Project**

Chiara Donfrancesco

TU173

**Medically Utilized Tailored Traditional food to Optimize Nutrition in Heart Failure (MUTTON-HF): An Indigenous Food is Medicine Program**

Lauren A Eberly

TU174

**UPF Intake Patterns in the Context of Overall Diet are Differently Associated with Self-Reported Health Status**

Emily Gloria Elenio

TU175

**The Global Diet Quality Score Is Associated with Lower Risk of Cardiovascular Disease**

Alan Espinosa

TU176

**Differential Impacts of Wild Blueberry Consumption on Cardiometabolic Health in Middle-Aged/Older Adults with Above-Normal Blood Pressure**

Nancy Ghanem

TU177

**The Effect of Soy Protein on Reducing Blood Pressure: A Systematic Review and Meta-Analysis of Randomized Controlled Feeding Trials**

Diana Ghidanac

TU178

**Higher education level and years of education are negatively associated with equol-producing status among older adults**

Arnur Gusmanov

## **Omics (Genetic)**

TU179

**Leveraging Pleiotropy to Improve Polygenic Risk Scores for Dyslipidemia Prediction**

Sally N Adebamowo

TU180

**Pleiotropic and eQTL Analysis of Lipid Traits Identifies Novel Genetic Signals in African-Ancestry Populations**

Sally N Adebamowo

TU181

**Integrating Pathogenic Variants to Assess Familial Hypercholesterolemia Prevalence, Underdiagnosis, and Undertreatment in the All of Us Research Program**

Sara Ghaem-Maghani

TU182

**Identification of Epigenomic and Transcriptomic Markers of Coronary Artery Calcium: The Coronary Artery Risk Development in Young Adults (CARDIA) Study**

Andrew Guo

TU183

**Genome-wide association study identified novel genes involved in transporting and metabolizing blood per- and polyfluoroalkyl substances**

Changwei Li

TU184

**Polygenic Risk Scores That Uncouple Obesity From Cardiometabolic Risk Protect Against Longitudinal CHD and T2D Risk**

Zhe Wang

## **Omics (Non-Genetic)**

TU185

**Life's Essential 8 Protection Against Heart Failure: Metabolomic Insights from the REGARDS Study**

Nicole Davis Armstrong

TU186

**Plasma Metabolomics and Incident Heart Failure in Patients with Gout**

Leo F Buckley

TU187

**Serum Metabolomic Signature of the EAT-Lancet Diet and Incident Cardiovascular Disease and All-cause Mortality: Evidence from the Atherosclerosis Risk in Communities (ARIC) Study**

Wanjin Guan

TU188

**Association of the IgG and Plasma Glycomes with Cardiometabolic Risk Factors**

Kiani Jacobs

TU189

**ABO Blood Type Modifies the Association Between Fiber Intake and Incident Cardiovascular Disease: The Role of Gut Microbiota and Circulating Metabolites**

Chengyong Jia

TU190

**Comparison of the Olink and Alamar Paired Antibody-based Plasma Proteomics: The Dallas Heart Study**

Victoria Lamberson

TU191

**Urinary sodium and potassium excretions, gut microbiome, circulating metabolites, and cardiometabolic risk**

Xinxu Liang

TU192

**Large-scale proteomic analysis of valvular calcification: The Atherosclerosis Risk in Communities (ARIC) Study**

Hairong Liu

TU193

**Plasma proteomics of fatigue and risk of incident heart failure in the Atherosclerosis Risk in Communities (ARIC) Study**

Noelle Victoria Pavlovic

TU194

**An allostatic load domain-specific metabolic profile in young adults - The African-PREDICT study**

Annemarie Wentzel

TU195

**Comparison of Large-Scale Proteomics Platforms: The Dallas Heart Study**

Yimin Yang

TU196

**Lipid Catabolism and Cytokine Signaling Show Divergent Associations with 30-year Incidence of Coronary Artery Disease in Type 1 Diabetes**

Jiayi Zhou

## **Physical Activity/Sedentary Behavior 1**

TU197

**Associations Between Individual, Psychosocial, and Neighborhood-Environment Correlates with Sedentary Time in Mexican Heritage Women: Results from the SOL CASITAS Study**

Harsimran Bajwa

TU198

**Exercise-induced Elevation of Fibroblast growth factor-1 Observed in MoTrPAC Data Promotes Skeletal Muscle Insulin Sensitivity in Mice.**

Hemangi Bhonsle

TU199

**Association Between Physical Activity and All-Cause Mortality Among Middle-Aged and Older Adults With Elevated C-Reactive Protein: NHANES 1999–2006**

William Boyer

TU200

**Greater Peak Oxygen Uptake Is Linked to Higher Early Recovery Systolic Pressure, While Respiratory Exchange Ratio and Lactate Are Not**

Katelyn Combs

TU201

**Higher Allostatic Load Is Associated With Lower Cardiorespiratory Fitness Among U.S. Adults: NHANES 1999–2004**

Padideh Daneii

TU202

**Pilot Data: Respiratory Exchange Ratio Predicts Perceived Exertion During Graded Maximal Exercise Testing**

Madison Danser

TU203

**Leveraging Parks for Physical Activity Promotion and Cardiovascular Health among African American Children: Feasibility, Acceptability, and Preliminary Efficacy of the NatureUplift Pilot Randomized Trial**

Junia N. de Brito

TU204

**Glucagon-like Peptide-1 Receptor Agonists: Are They Associated With Increased Cardiorespiratory Fitness?**

Laura F DeFina

TU205

**The Effect of Physical Activity on the Gut Microbiome in Prediabetes: Results from a Randomized Controlled Trial**

Ryan Demmer

TU206

**Multimorbidity and Obesity-related Associations with Variations in 24-hour Movement Cycles in Adults: The Dallas Heart and Minds 24-Hour Rest-Activity Cycle Study (DHS 24-REACT)**

Erin Dooley

TU207

**Independent and Joint Association of GLP-1 Therapy and Physical Activity with Weight Loss: Real-World Evidence from All of Us**

Jamie Faro

TU209

**Cardiovascular Fitness Testing at a Large Public Event: Minnesota State Fair**

Madelyn Hessian

TU210

**Bidirectional reallocations of sedentary time, physical activity, and sleep in relation to risk of all-cause mortality and cardiovascular disease: an analysis of the Prospective Urban Rural Epidemiology (PURE)-China cohort study**

Yilin Huang

TU211

**Feasibility and Preliminary Effects of a Web-Based Physical Activity Program for Adults with Obesity: Results from a Pilot Randomized Controlled Trial**

Jacob K Kariuki

## **Pregnancy and Maternal and Fetal Health**

TU212

**Prediction of Early-Onset Preeclampsia Using Deep Learning: A Systematic Review of Clinical and Imaging Models**

Rodrigo You-Cheng Tai Mendivil

TU213

**Human Milk Consumption During the Neonatal Hospitalization is Not Associated with Length- or Weight-for-Age at Discharge for Infants with Critical Congenital Heart Disease.**

Meghan Crimmins

TU214

**Profiles of Healthy Behaviors in Early Pregnancy are Associated with Maternal Allostatic Load in Pregnancy and 2-7 Years Following Delivery: The nuMoM2b-HHS1 Cohort**

Andrea Kozai

TU215

**Associations Between Rurality and Early Pregnancy Cardiovascular Health Behaviors in a Central Appalachian Cohort**

Elly Marshall

TU216

**Average Time to Hypertension Resolution Extends Beyond Two Weeks Postpartum After Hypertensive Disorders of Pregnancy**

Emma Mujic

TU217

**Self-Reported Environmental Support and Device-Measured Physical Activity During Pregnancy: Evidence from the Pregnancy 24/7 Cohort**

Brianne Nichols

TU218

**Are U.S. Women Meeting Nutritional Guidelines Across Pregnancy? Data from a Multicenter National Cohort**

Caryn Oshiro

TU219

**Impact of Adverse Pregnancy Outcomes on Long-term Outcomes in Women with Heart Failure**

Vishrut Thaker

TU221

**The Role of Home Visiting Programs in Addressing Postpartum Cardiovascular Care Gaps: Evidence from a Large U.S. Community-Based Sample**

Aishwarya Vijay

TU222

**Lactation and Maternal Serum Metabolomic Profiles in Relation to Cardiometabolic Disease: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Yi Wang

TU223

**Factors Associated with Mother's Sleep Duration and Quality at 6-8 Weeks, and 4, 6 and 12 Months Postpartum**

Xuewen Wang

TU224

**Effect of Adverse Childhood Experiences on Blood Pressure Variability, and Depression Among Pregnant Women in Georgia**

Haidong Zhu

## **Preventive Cardiology 1**

TU225

**Decadal Shifts in the Burden of Non-Rheumatic Valvular Heart Disease Among OECD Countries From 1990-2021: An Insight from the Global Burden of Disease Study 2021**

VISHRANT PRAFULCHANDRA AMIN

TU226

**SALAM: Study of Arab-American Longitudinal Assessment of Morbidity Cardiometabolic Burden Across Age and Sex in a U.S. Health System**

Jad Ardakani

TU227

**Annual Change in High-Sensitivity Cardiac Troponin T and Risk of Cardiovascular Disease and Mortality: The Atherosclerosis Risk in Communities (ARIC) Study**

Ebenezer Kobbie Aryee

TU228

**Lipid Optimization among Veterans with Familial Hypercholesterolemia: The VALOR-QI Program**

Patrick Benjamin

TU229

**Delay Discounting in First-Year Medical Students: Associations with Cardiovascular and Psychoemotional Profiles**

Jaime Aurelio Cespedes

TU230

**Cholesterol Management Gaps Before a Recurrent Coronary Event: Insights From the Get With The Guidelines – Coronary Artery Disease Registry**

Lisandro D Colantonio

TU231

**Spousal Pregnancy Loss and Paternal Cardiovascular Disease Risk: Evidence from Chinese and U.S. Cohorts**

Cancan Cui

TU232

**Psoriasis and Metabolic Syndrome in Men vs. Women: Insights from the National Health and Nutrition Examination Survey**

Adonicah Cummings

TU233

**Achieving Goal Low Density Lipoprotein Cholesterol in Pediatric Patients Treated with Lipid-Lowering Therapy**

Michelle Ghandhi Degen

TU234

**Burden of Cardiovascular Diseases Attributable to Behavioral and Metabolic Risk Factors: An Analysis of the Vietnamese Adult Population.**

Nguyet Duong

TU236

**Cumulative Cardiometabolic Risk Increases with A1C Even at Subtherapeutic A1C Levels (5.0% to 5.7%)**

Colton Glaze

TU237

**Behavioral and Medication Adherence Versus Clinical Outcome Among Patients With Cardiovascular Diseases in Ghana**

Esther Gordon

TU238

**Cumulative cardiovascular health over two decades and subclinical target organ damage in the Framingham Heart Study**

Vaishnavi Krishnan

## **Psychosocial Factors 1**

TU239

### **Psychological Distress, Cardiovascular Disease Risk Factors, And Resilience Among University Students In The US**

Tiwaloluwa Ajibewa

TU240

### **Depression and 10-Year Cardiovascular Disease Risk in a Nationally Representative Sample using AHA PREVENT Equation**

Sadia Anjum Ashrafi

TU241

### **Psychosocial Assets Promote Cardiovascular Health Across Adulthood: A Mixed Methods Investigation**

Julia K Boehm

TU242

### **Psychosocial and Behavioral Correlates of Weight Management Interest: Analysis of Self-Screening Data from a Large Integrated Health System**

Martha Ceden0

TU243

### **Type 2 Diabetes Control is Associated with Higher Social Support Among Puerto Rican Adults: A Cross-Sectional Study**

Ines Del Giudice

TU244

### **Negative Affective Responsivity is Differentially Related to Postprandial Changes in Pulse Pressure Augmentation Between Hispanic or Latine and non-Hispanic White Young Adults**

Mark Flores

TU245

### **Relationships of Motivation, Self-Efficacy, and Social Support with Healthy Eating Behaviors Among Adolescents**

Natalia Fraczek

TU246

### **A Meta-Analytic Review of Blood Pressure Responses to Transcendental Meditation**

Jolaade Kalinowski

TU247

### **Stress, Forgetfulness, and Hypertension: The Mind-Heart-Body Link in Refugee Health**

Ariana Khayamian

TU248

### **Loneliness and Days at Home Before and After Cardiovascular Disease Hospitalization: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study**

Emily B Levitan

TU249

**Associations Between Healthy Eating Efficacy, Stress Eating and BMI Among Puerto Ricans in Puerto Rico and New York**

Andrea Lopez-Cepero

**Public Health/Policy 1**

TU250

**Racial Disparities in Mortality Trend of Pulmonary Heart Disease in the United States from 2018:2023: A Comprehensive Benchmarking Analysis**

VISHRANT PRAFULCHANDRA AMIN

TU251

**Misinformation on cardiovascular disease prevention and control spreads through social networks: A scoping review.**

Buna Bhandari Bhattarai

TU252

**Hospital-level Disparities and Long-term Survival in Patients With STEMI: Evidence from the China Acute Myocardial Infarction Registry**

Feilong Chen

TU253

**Predictors of Language Strength in State Legislation Related to School Nutrition**

Jyles Datoon

TU254

**Global Impact of Tobacco Control Policies on Cardiovascular Mortality: A Lag-Adjusted Fixed-Effects Analysis of 148 Countries (2007–2022)**

Hardik Dineshbhai Desai

TU255

**Spatiotemporal Restructuring of United States Atherosclerosis Mortality and the Emerging Distribution of Cardiometabolic Risk**

Minaam Farooq

TU256

**Trends and Disparities in Mortality from Pulmonary Embolism by Place of Death in the United States, 1999–2023**

Waseem Abu Obeida

TU257

**Effect of the COVID-19 Pandemic on Cardiovascular Care and Its Impact on CV Disease Mortality in Rural Ohio: A Retrospective Analysis in Portage County**

Reema Gupta

TU258

**Height Loss Predicts All-Cause and Cardiovascular Disease Mortality among Residents of Evacuation Zones Following the Great East Japan Earthquake: The Fukushima Health Management Survey**

fumikazu hayashi

TU259

**Increased Mean Arterial Pressure Was Prospectively Associated With a Higher 45-year Mortality Risk From Cardiovascular Disease In Men: The NHLBI Twin Study**

Saam Honarvar

## **Sleep Behavior and Sleep Disorders**

TU260

**Demographic and Geographic Disparities in Mortality Among Patients with Heart Failure and Obstructive Sleep Apnea: A Nationwide Study (1999–2020)**

Perisa Ashar

TU261

**Objectively Measured Sleep Duration and Incident Kidney Stone Disease: The Multi-Ethnic Study of Atherosclerosis**

Joseph Crivelli

TU262

**Sleep Duration Associated with Social, Structural, and Emotional Determinants of Health**

Michael A Grandner

TU263

**Association of Difficulty Falling Asleep and Sleep Duration with the Risk of Cardiovascular Events in the General Japanese Population: NIPPON DATA 2010**

Aya Hirata

TU264

**Smartphone-based Digital Phenotyping as a Scalable Approach to Measure Sleep Health in Emerging Adults**

Julianna Hsing

TU265

**Temporal Trends and Demographic Disparities in Mortality Associated with Coronary Artery Disease and Sleep Disorders Among Adults in the United States: Insights from the CDC WONDER Database 1999–2020**

Zainab Humayun

TU266

**Impact of Sleep Health on Mortality with Blood Pressure Variability and Race as Modifiers**

Hyunyong Lee

TU267

**Cardiovascular Health Scores in Patients with Sleep-Disordered Breathing**

Allison Lin

TU268

**Obstructive Sleep Apnea Positively Correlated with hs-CRP and Not With Other Key Inflammatory Markers**

Jered Eli Miller

TU269

**Cross-Sectional Associations of Sleep with Atrial Cardiopathy in Adults with Overweight or Obesity**

Mohamed A. Mostafa

TU270

**Sleep Disturbance and Risk of Cardiovascular Disease Hospitalization in Over Two Million Adults: Evidence From a Japanese Health Insurance Claims Database**

Koki Ono

TU271

**Sleep Duration and Mental Health Among Women: Evidence from the SAFE HEART Study Supporting Life's Essential 8**

Asma Rayani

TU272

**When "Enough" Sleep Isn't Enough: Low Concordance and Hidden Sleep Deficits among Parents and Children**

Robbie Sellan

## **Women's Health 1**

TU273

**Early Life Exposures and Age at Menopause in the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study**

Nekayla Anderson

TU274

**Social Vulnerability and Direct Oral Anticoagulant Use in Reproductive-Aged Women with Atrial Arrhythmias**

Abigail Arthur

TU275

**Life course maternal partnership and women's health in the United States: a cohort comparison study of NLSY79 and NLSY97**

Monica Batalha

TU276

**Association Between Health Care Access and Cardiovascular Health Risk Among Reproductive-Aged Women in the SAFE HEART Study**

Kwabena Nana Achiaw Dankwa

TU277

**Ironing Out Risk Using the Women's Health Initiative Study: Low Ferritin Levels are Linked to Elevated Cardiovascular Risk in Postmenopausal Women**

Shabitri Dasgupta

TU278

**Psychosocial Factors and Sleep Health among Postpartum Women**

Sarah Eslami

TU279

**Neighborhood as a Window to Women's Health 15 Years After Pregnancy: Do Income and Food Access Play a Role?**

Maria Figucia

TU280

**Endometriosis subtypes and risk of type 2 diabetes: advancing research in cardiovascular health and endometriosis study (ARCHES) retrospective cohort study**

Maggie Fuzak

TU281

**Associations Between Prepregnancy Lipoprotein(a) and Birth Outcomes: The Hispanic Community Health Study/Study of Latinos**

Ashkan Habib

TU282

**Postpartum Proteomic Networks Are Predictive of Future Cardiovascular Disease Risk in Women**

Jie Hu

TU283

**Metabolomic Signatures of the Menopausal Transition and Subsequent Cardiometabolic Risk in a Population-Based Cohort of Japanese Women**

Miho Iida

## **Wednesday, March 18**

### **Moderated Poster Sessions**

#### **MPS05**

#### **Pregnancy and Women's Health**

**Moderator: Marie-France Hivert, MD**

MPWE25

**Clinical Predictors of Future Cardiovascular Disease at the Initiation of Prenatal Care**

Diana Soria-Contreras

MPWE26

**Breastfeeding and Early Childhood Cardiovascular Health in the ECHO Program**

McKenzie Jancsura

MPWE27

**Weekday Temporal Step Accumulation Patterns and Hypertensive Disorders of Pregnancy**

Jaemyung Kim

MPWE28

**Metabolomic Pathway Alterations in Serum of Postmenopausal Women with Stroke**

Fatima El Azzouzi

MPWE29

**Maternal Cardiovascular Disease Events Within Four Years of Delivery Following Pregnancy Complicated by COVID-19 Infection in 2020-2022.**

Kelly J Hunt

MPWE30

**Sublingual Microvascular Features and Cognition in Midlife Among Women with a History of Vascular Injury in the Placenta**

Janet M Catov

**MPS06**

**Agging/Neurocognition and Brain Health**

**Moderator: Ganga Bey, PhD, MPH**

MPWE32

**Biological Aging, Cognitive Decline, and Dementia Risk in a Community-Based Cohort: the Atherosclerosis Risk in Communities Study**

Albert C Liu

MPWE33

**Lipidome Aging Clock And Risk of Cardiometabolic Disease In American Indians: The Strong Heart Family Study**

Mingjing Chen

MPWE34

**Mechanistic Components of Arterial Stiffness and Incident Dementia in Older Adults**

Ian Jacobs

MPWE35

**Postmenopausal Endogenous Sex Hormone Levels and Mild Cognitive Impairment and Dementia Risk in the Women's Health Initiative**

Ayda Oktem

MPWE36

**Proteomics Reveals Altered Muscle Structure and Organization Pathways in Older Adults with Peripheral Neuropathy**

Yuan-Haw Andrew Wu

**MPS07**

**Nutrition 2**

**Moderator: Liliana Aguayo, PhD, MPH**

MPWE37

**Carbohydrate Quality and Cardiovascular Disease: Findings From the Women's Health Initiative Prospective Cohort Study**

Meaghan Elizabeth Kavanagh

MPWE38

**Effects of the DASH4D diet on biomarkers of glycemia in adults with type 2 diabetes: A secondary analysis of the DASH4D randomized clinical trial**

Michael Fang

MPWE39

**Pilot Randomized Clinical Trial of Produce Prescription with Dietitian Coaching to Improve DASH Diet Adherence and Diet Quality: THRIVE Food is Medicine Trial**

Elohor Oborevwori

MPWE40

**Food-is-Medicine Intervention Effects on Lipid Profiles and PREVENT Cardiovascular Risk Scores in Black and Hispanic Adults with Hypertension: The THRIVE Pilot Trial**

Shanshan Song

MPWE41

**Association of better adherence to the Dietary Approaches to Stop Hypertension with all-cause mortality and food groups driving this association: data from a large population-based study from Germany**

Paula Stuermer

**MPS08**

**Omics 1**

**Moderator: Curtis Tilves, PhD**

MPWE43

**Multi-trait Polygenic Risk Scores Improve Prediction of Heart Failure**

Shinhye Chung

MPWE44

**A multi-ancestry blood metabolites atlas of incident stroke in ~39,000 adults**

Kai Luo

MPWE45

**Proteomic-Based Biological Aging Clocks Are Associated with Cognitive Aging: The Atherosclerosis Risk in Community Study**

Saeun Park

MPWE46

**Changes in Plasma Imidazole Propionate and Long-term Successful Weight Loss in Response to Dietary Interventions: POUNDS Lost trial**

Yi-Hsuan Lin

MPWE47

**Effects of the DASH for Diabetes diet on fecal and plasma metabolites in people with type 2 diabetes**

Shaoming Xiao

MPWE48

**Metabolomics-Based Reclassification of Ultra-Processed Foods and Risk of Cardiometabolic Outcomes**

Szu-Han Chen

## Posters

### Arrhythmia/Sudden Death

WE400

**Disparities Persist as Cardiac Arrest Mortality in Diabetes Mellitus Declines Then Surges in the United States 1999 to 2023**

Muhammad Awais Bin Abdul Malik

WE401

**Sex Disparities in Accuracy of Physician-Reported Versus Computed CHA2DS2-VASc Scores in the Get With The Guidelines–AFIB Registry**

Jenna Barnes

WE402

**Combining Data Sources to Determine Causes of Out-of-Hospital Sudden Unexpected Deaths**

Joe Danica Inigo

WE403

**Development and Implementation of an Artificial Intelligence-Based Predictive Model for Sudden Cardiac Death by Integrating Personal Health Records and Clinical Data**

Tomohiko Imamura

WE404

**Trends in Survival after Atrial Fibrillation in a Midwestern Community**

Sheila M Manemann

WE405

**Atrial Fibrillation and Late Onset Epilepsy: Evidence of Bidirectionality in the Atherosclerosis Risk in Communities Study**

Faye L Norby

WE406

**Unhealthy Alcohol Use and Sudden Death Among Working Age Adults**

Shannon Parness

WE407

**Causative Association Between Longer Leukocyte Telomere Length (LTL) and Higher Risk of Atrial Fibrillation: A Meta-analysis of Mendelian Randomization Studies**

Darsh Tusharbhai Patel

WE408

**Association of Acculturation with Ventricular Arrhythmias: Preliminary Findings from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Daokun Sun

WE409

## **Rising Cardiac Arrest–Related Mortality Among Amyloidosis Decedents in the United States, 1999–2023**

Amina Yousaf Bajwa

## **Biomarkers**

WE410

### **Association Between Neutrophil-to-Lymphocyte Ratio and Estimated Maximal Oxygen Uptake in Adults Living at High Altitude in Bogotá, Colombia**

Jose De la Hoz-Valle

WE411

### **Prediction Of Acute Coronary Syndrome By Analyzing HDL Subfractions Via Supersensitive Microfluidic Chip Electrophoresis**

Odilo Mueller

WE412

### **Androgenic Profile and Cardiometabolic Health among Post-Menopausal Women: the Buffalo OsteoPerio Study**

Zhongzheng Niu

WE413

### **Predictive Performance of High-Sensitive C-Reactive Protein for Congestive Heart Failure: Post-Pandemic Analysis from NHANES 2021-2023**

Annisa Nugrahani

WE414

### **Serum Sortilin as a Predictor of Endothelial Dysfunction and Vascular Complications**

Carolina Ramirez Cabal

WE415

### **Endothelial Dysfunction and Risk of Severe COVID-19 in a Biracial U.S. Cohort**

Veronica Shea

WE416

### **A Novel Poly-Metabolite Score of Soy Product Intake is Prospectively Associated with Cognitive Function**

Ruiyuan Zhang

## **Cardiovascular Kidney Metabolic Health 2**

WE417

### **Inflammation and Long-Term Progression of Cardiovascular-Kidney-Metabolic Syndrome Among Young Adults: Insights from the CARDIA Study**

John W Ostrominski

WE418

### **Incidentally Detected Coronary Calcium and the Burden and Severity of Cardiovascular-Kidney Metabolic Risk Factors**

Abigail Pan

WE419

**A Mixture of Metals and Per-/polyfluoroalkyl Substances Exposures Is Associated with Lower Kidney Function among Former US Military Service Members and Civilians**

Natalie Price

WE420

**Association Between Plasma Homocysteine and Stroke Risk in Hypertensive Patients with Metabolic Syndrome**

Guowei Qin

WE421

**Stable BMI From Young Adulthood to Midlife and Long-Term CKM Risk: The Coronary Artery Risk Development in Young Adults (CARDIA)**

Ishita Rai

WE422

**Prognostic Value of Cardiovascular-Kidney-Metabolic Syndrome Stage 3 Components: Dallas Heart Study**

Khaled Shelbaya

WE423

**Intersection between Cardiovascular-Kidney-Metabolic (CKM) Syndrome and Inflammation in Incident Cardiovascular Disease (CVD) and All-cause Mortality: MESA and CARDIA**

Ling Tian

WE424

**Cardiovascular-Kidney-Metabolic Syndrome Across a Decade: Trajectories in Relation to Social Determinants of Health among Middle-Aged and Older Adults in the United States**

Ruilin Yu

WE425

**Non-Alcoholic Beverage Consumption Is Associated with Mortality Risk and Organ Ages across Cardiovascular-Kidney-Metabolic Health Stages**

Jie Zhang

## **Climate Change/Planetary Health/One Health**

WE426

**An Environmentally Friendly Dietary Pattern is Associated with Adequate Dietary Intake of Protein and Inadequate Intake of Calcium in NHANES Pre-Pandemic (2017-2020)**

Katherine Copp

WE427

**Percent Black Residents Modifies the Association between Neighborhood Private Well Use and CVD Mortality**

Matthew S Loop

WE428

**Climate-Related Exposures During Pregnancy Influence Maternal Cardiometabolic Risk: Findings from the GROWell Trial**

Jennifer E Phipps

WE429

**United States Climate Vulnerability Index and Atherosclerotic Cardiovascular Disease Risk Prediction**

Lindsey Russo

**Diabetes 1**

WE430

**Food Insecurity and Cardiovascular Disease Among U.S. Adults with Diabetes: Moderation by SNAP**

Ali Alfalki

WE432

**Estimated optimal individualized diabetes risk prediction from preventive interventions in the US general population**

Michael Bancks

WE433

**Prospective Associations of Physical Activity and Sedentary Behaviors on Reduced Cardiovascular Disease Risk in Older Women with Diabetes: The OPACH Study**

Esmeralda Castro

WE434

**Higher Gestational Weight Gain Is Associated With A Lower Risk Of Incident Diabetes**

Brianna Chambers

WE435

**Metabolomic Signatures Linking Continuous Glucose Monitoring–Derived Fasting Glucose Variability to Increased Type 2 Diabetes Risk**

Jin Dai

WE436

**Identifying the Clinical Threshold of C-Reactive Protein-Triglyceride Glucose Index for Risk Stratification of Diabetes**

Raysha Farah

WE437

**Prevalence and Determinants of Diabetes Mellitus in a Semi-Urban Nigerian Riverine Community: Implications for Intervention in Resource-Limited Settings**

Monica Gbuechie

WE438

**Life's Essential 8 and Risk of Type 2 Diabetes in Postmenopausal Women**

Andrea J Glenn

WE439

**The generalizability of the Dietary Approaches to Stop Hypertension for Diabetes (DASH4D) Diet**  
Zijing Guo

WE440

**Non-Hispanic Black Adolescents Show Highest Prediabetes Prevalence Among Normal Weight Adolescents: Evidence from NHANES 2011–2020**

Angel Gutierrez

WE441

**Progression and Risk of Type 2 Diabetes Mellitus According to Glycemic Phenotypes**

Yeji Han

WE442

**Disparities in Use of Cardioprotective GLP-1 Receptor Agonists and SGLT2 Inhibitors Among Insured Adults with Type 2 Diabetes at High Cardiovascular Risk**

Andrew Y Hwang

WE444

**Prevalence and Predictors of GLP-1 Receptor Agonist Use Among U.S. Adults with Diabetes: Findings from the National Health Interview Survey, 2024**

Reed Mszar

WE445

**Effects of a Weight Management Program Integrated with Continuous Glucose Monitoring on Cardiometabolic Risk Factors: A Randomized Controlled Trial in Patients with Type 2 Diabetes**

Peter T Katzmarzyk

## **Global Health**

WE446

**Global Macroeconomic Impact of Cardiovascular Disease: A Value of Lost Welfare Analysis, 1990–2023**

VISHRANT PRAFULCHANDRA AMIN

WE447

**Rising Burden of Endocarditis in OECD Nations: Demographic Shifts and Epidemiological Insights from 1990-2021**

VISHRANT PRAFULCHANDRA AMIN

WE448

**Escalating Cardiovascular Mortality in Inflammatory Bowel Disease: A 22-Year National Analysis Revealing Alarming Geographic, Rural-Urban, and Racial Disparities in the United States, 1999–2020**

VISHRANT PRAFULCHANDRA AMIN

WE450

**Association between Multiple Urinary Metals and Metal Mixtures and Ectopic Adiposity in Caribbean Men: The Tobago Health Study**

Ruel Beresford

WE451

**D3 Creatine Dilution – Assessed Muscle Mass is Associated with Lower Perceived Physical Fatigability Among Older African Caribbean Men**

Ryan Cvejkus

WE452

**Association of Diabetes with Cardiac Structure and Function Among African Caribbeans in Tobago: A Population Based Cohort Study**

Nirmalendu Deb Nath

WE453

**Global Development Assistance for Cardiovascular Disease in Low- and Middle-Income Countries, 2007–2023**

Dang Nguyen

WE454

**Trends in Global Cardiovascular Disease Mortality from 1990 - 2022**

Sean Taylor

## **Hypertension 2**

WE455

**Effect of Spironolactone versus Alpha or Beta Blockers on Systolic BP in Patients with Resistant Hypertension**

June Li

WE456

**Cumulative Social Risk and Sex Differences in Hypertension Severity Among U.S. Adults: NHANES 2005–2023**

Faith Elise Metlock

WE457

**Comparative Analysis of Hypertension Management Plans Generated by Large Language Models**

Tai Metzger

WE458

**Effects of a Food-is-Medicine Intervention on Blood Pressure Among Black and Hispanic Adults with Hypertension in Healthy Food Priority Areas: The THRIVE Pilot Trial**

Bunmi V Ogungbe

WE459

**Impact of Menopausal Status on the Association Between Arterial Stiffness and Stroke in Hypertensive Women**

Jun Ouyang

WE460

**Impact of Socioeconomic Status on Outcomes of a Digital Cardiovascular Self-Management Program**

Walter Roberts

WE461

**Trends in Hypertension Control Using Traditional and New Guideline-Directed Blood Pressure Control Parameters: Results from the National Health and Nutrition Examination Survey (NHANES), 2011–2020**

David Jose Javier Rodriguez Szaszdi

WE463

**Circulating Metabolites Mediate the Association Between Polygenic Risk Score and Incident Hypertension**

Masato Takase

WE464

**Blood Pressure Lowering To Prevent Clinical Dementia: Systematic Review And Meta-Analysis**

Zarrin Tasnim

WE465

**Pharmacologic Treatment To Lower Blood Pressure In Hypertensive Pregnant Women Living In Low- And Middle-Income Countries: Systematic Review**

Zarrin Tasnim

WE466

**Al Ritmo del Corazón: Regional Differences in Physical Activity and Hypertension Across Puerto Rico, Hawaii, and the Mainland United States**

Agnes Torres-Ortiz

WE467

**Neuro-endocrine markers and Pulse Wave Analyses in young adults with Masked Hypertension: the African-PREDICT study**

Annemarie Wentzel

## **MI and Heart Failure**

WE468

**Axillary/Subclavian IABP Is a Safe and Effective Support in Advanced Heart Failure: A Meta-Analysis**

Mohammad Hamza Bin Abdul Malik

WE469

**Comparing Trends in Acute Myocardial Infarction Related Mortality Among Type 2 Diabetic versus Type 1 Diabetic Adults in United States: Data from CDC WONDER 1999-2020**

Muhammad Sohaib Asghar

WE470

**Malnutrition Matters: Prognostic Impact of CONUT in HFpEF Patients – A Systematic Review**

Anushka Dhabuwala

WE471

**Entrenched Geography of the United States Ischemic Heart Disease Mortality: Geotemporal Persistence and Social Determinants Through 2016-2023.**

Minaam Farooq

WE472

**Challenges in multi-disciplinary approaches to heart failure with preserved ejection fraction.**  
David Hantouche

WE473

**Comparing Cardiac Function between South Asians in MASALA and MESA subgroups**  
Alka M Kanaya

WE474

**Trends and Disparities in Heart Failure and Atrial Fibrillation-Related Mortality in the United States – A Nationwide Retrospective Analysis**

Aria Kenarsary

WE475

**Racial Disparities in In-Hospital Mortality Among Acute Myocardial Infarction Patients**  
Shun Wang Max Kwok

WE476

**Distribution of Heart Failure Phenotypes by Age and Risk Factors**  
Elizabeth Marquez

WE477

**Physician-determined HIV-associated Heart Failure Etiologies and Phenotypes at Five Sites Across the United States: The Center for AIDS Research Network of Integrated Clinical Systems (CNICS)**  
Samuel McFarlane

WE478

**Association of the AHA's PREVENT-HF score with Incident Heart Failure Subtypes in the REGARDS study.**  
Megan Nordberg

WE479

**Serial Improvement In Left Ventricular Ejection Fraction Within the REGARDS Cohort Is Associated With Improved Mortality**  
Rohan Shah

WE480

**Smoking Cessation or Reduction After Myocardial Infarction and Subsequent Risk of Cardiovascular Events**  
Sojung Shin

WE481

**Disrupted Circadian Rest-Activity Rhythms and Incident Heart Failure in the Aging Population: The Atherosclerosis Risk in Communities Study**  
Daokun Sun

WE482

**Age- and Sex-Specific Incidence of Cardiovascular Disease Subtypes in Young Adults: Insights from a Large, Diverse Healthcare System**  
Xiaowei Sherry Yan

WE483

**Trends in Ischemic Heart Disease Mortality Among Young Asian Adults Aged 25–44 Years in the United States, 2018–2023: A CDC WONDER Analysis**

Sai Goutham Reddy Yartha

## **Non-Medical Drivers of Health 1**

WE484

**Mortality From Coexisting Metabolic Syndrome and Cardiac Arrhythmias Increased in the United States From 1999 to 2023**

Mohammad Hamza Bin Abdul Malik

WE485

**"Racial Trends in Aortic Valve Disease-Related Mortality Among Postmenopausal Women in the United States (2018–2023): A CDC WONDER Joinpoint Regression Analysis"**

Parth Adrejiya

WE486

**Cost-Effective Analysis of a Louisiana Community Program Addressing Food Insecurity**

Tiffany Wesley Ardoin

WE488

**A Comparison of English and Spanish AI Chatbot Responses to Online Cardiovascular Questions: Differences in Response Length, Readability, and Guidance**

Yoel Benarroch

WE489

**Partnering with Community Members to Address Regional Serious Cardiac Illness Care Needs and Research Priorities: A Pilot Project to Develop a Community Advisory Board**

Erin Blakeney

WE490

**Neighborhood Socioeconomic Conditions Classify Patients with Variable Recovery Trajectories After Similar Initial Treatments for Myocardial Infarction**

Taliyah Borromeo

WE491

**Effect Modification of Walkability and Micro-scale Walkability on the relationship between Socioeconomic Deprivation and Cardiovascular Health Outcomes in the Hispanic Community Health Study/ Study of Latinos (HCHS/SOL): A Longitudinal Analysis**

Jacob Carson

WE492

**The mediating role of environmental and lifestyle factors in cardiovascular disease in The Maastricht Study**

Jeffrey Chan

WE493

**Intersections of Social Determinants, Food Insecurity, Diet Quality, and Mental Health in Mortality Risk: Joint and Mediating Effects**

Shuyue Deng

WE494

**Sex-Based Disparities in Access and Psychosocial Health Among Adults with Premature Atherosclerotic Cardiovascular Disease**

Aabha Divya

WE495

**Deprivation Index and Cardiovascular Diseases Risk Factors in the Italian Adult Population: Results from CUORE Project**

Chiara Donfrancesco

WE496

**Variation in Risk Factor Control in Patients with Atrial Fibrillation by Race and Ethnicity: A Nationwide Study**

Utibe R Essien

WE497

**The Geography of a Heartbeat: Mapping the Social Drivers of Cardiovascular Mortality**

Jonathan Yunzhou Xiong

WE498

**Retention Strategies in a Community-Engaged Hypertension Prevention Trial Among Black Men: Lessons from the Community-to-Clinic Linkage Program**

Tanisha Green

WE499

**Social Determinants and Accumulation of Cardiometabolic Risk Factors in a Community Cohort: An Inverse Probability of Treatment Weighting Analysis**

Chisato Iba

WE500

**Artificial Intelligence-Derived Social Determinants of Health Profiles and Cardiovascular Risk in Asian American Adults**

Austin Le

WE501

**Unique Stress, Cultural Resources, and Psychological Resilience in Young African American Women: Insights for Effective Intervention and CVD Prevention**

Sparkle Springfield

TH835

**Enhancing Treatment of Cardiometabolic Health Through Improved Interpersonal Processes of Care: Findings From the Hispanic Community Health Study/Study of Latinos**

Gabriela Recinos

TH898

**Cardiovascular Health by Life's Essential 8 in Southeast Asian Adults in the United States**

Miranda Li

## **Nutrition and Diet 2**

WE502

**Culturally Concordant Nutrition Education Leads to Heart-Healthy Dietary Improvements in South Asian Adults Following the South Asian Healthy Lifestyle Intervention**

Syona Hariharan

WE503

**Concordance Between Household and Area-Level Food Security Among People with Pre-Clinical Heart Failure**

Sheila Hernandez-Rubio

WE505

**A WHO Nutrient Profile Model Provides The Most Robust Limits For Sugar, Sodium, And Saturated Fats To Underpin Nutrition Policy In Bangladesh**

Xiao Hu

WE506

**The Association of Dairy-Related Metabolites with High Blood Pressure: The Coronary Artery Risk Development in Young Adults Study**

Hejingzi Jia

WE507

**Longitudinal Changes in Diet Quality and Nutrient Intake During Pregnancy among Moms Participating in FeFiFo-MOMS: Effects of Fermented and Fiber-rich Foods on Maternal and Offspring Microbiome Study**

Andrea Krenek

WE508

**Ultra Processed Foods (UPF) and Risk of Incident Coronary Heart Disease (CHD) REasons for Geographic and Racial Disparities in Stroke (REGARDS)**

Sarah DR Krumholz

WE509

**Dietary patterns in the general Asian American population: A scoping review**

Madison N. LeCroy

WE510

**Ultra-Processed Food Intake and Cardiometabolic Outcomes: A Cross-Sectional Analysis in a Multi-Ethnic Asian Population in Singapore**

Jia Yi Lee

WE511

**Reduced Blood Pressure and Improved Survival in Patients with Normal Blood Pressure to Severe Hypertension Treated with the Very Low Sodium Rice Diet**

Pao-Hwa Lin

WE512

**The Importance of Specific Guidance on Trans-fat Elimination in a Healthy Food Procurement Policy: An Evaluation from Schools in Nepal**

Hairong Liu

WE513

**Diet Quality and Stage I Hypertension under Contemporary Guidelines: National Trends and Dietary Simulation of Treatment Reclassification**

Sridhar Mangalesh

**Obesity and Adipose Tissue Distribution**

WE514

**Changes in epigenomics and metabolomics biomarkers after a lifestyle intervention with diet and physical activity for weight loss in high cardiovascular risk individuals**

Oscar Coltell

WE515

**Obesity and Overweight Surveillance through Population-based Measurements in Adults: Italian Health Examination Survey 2023-2025 - CUORE Project**

Chiara Donfrancesco

WE516

**Ultra-processed food consumption and risk of obesity: The Atherosclerosis Risk in Communities (ARIC) Study**

Zijing Guo

WE517

**Epicardial Fat Predicts Heart Failure in Atrial Fibrillation Through Associations with Cardiac Remodeling**

Alexander Hamel

WE519

**Association between Dynapenic Obesity and Cardiovascular Outcomes and Mortality: A Systematic Review and Meta-analysis**

Darsh Tusharbhai Patel

WE520

**When Metabolism Breaks the Heart: Global Meta-analysis Linking Metabolic Syndrome to Heart Failure (≈5 Million Participants)**

Afreen Quadri

WE521

**Clinical Obesity: Prevalence, Cardiometabolic Risk, and Response to Lifestyle Intervention**

Catarina Schiborn

WE522

**Association of Body Roundness Index (BRI) with Left Ventricular Systolic Function: The Framingham Heart Study**

Jena Ungarten

WE523

**Prevalence of Clinical Obesity in Brazilians: Cross-Sectional Results from the Health Survey of São Paulo with a Focus on Nutrition**

Joao Valentini Neto

WE524

**Metabolomic Analysis in Three US Cohorts With 40 Years of Follow-Up Identifies Metabolomic Profiles Reflecting Metabolic States Associated with Long-Term Obesity Trajectory and Its Related Chronic Disease Risk.**

Xingyan Wang

WE525

**Longitudinal changes in visceral adiposity, glyceic traits, and inflammatory proteomic profiles**

Cong Wang

## **Physical Activity/Sedentary Behavior 2**

WE526

**Association Of Social Network Size With Physical Activity Patterns Among Middle-Aged Korean Adults**

Hyojin Kim

WE527

**Accelerometer-Measured Physical Activity Improves Predictive Validity of Fried Frailty Phenotype for All-Cause and Cardiovascular Disease Mortality: UK Biobank**

Lingsong Kong

WE528

**Wearable Devices and Meeting Physical Activity Guidelines in Adults with Hypertension**

Willie Leung

WE529

**Multiple Markers of Autonomic Dysfunction are Related to an Increased Risk of Cancer Mortality in Healthy Adults**

Clare Meernik

WE530

**Latinos that Engage in High Occupational Physical Activity are Less Likely to Engage in High Sedentary Activity**

Rosenda Murillo

WE531

**Association of hypertension, hyperlipidemia, and physical activity levels among individuals with Type 2 Diabetes**

Ariella Palmieri

WE532

**Association of Daily Step Count with All-Cause Mortality Among Older Adults with Hypertension and Resistant Hypertension**

Pardis Parvizi

WE533

**Is occupational physical activity associated with cardiovascular health? Examining the physical activity paradox in Nepalese adults with high blood pressure.**

Anna Porter

WE534

**Seven-Day Accelerometer Data Provide a Reasonable Proxy for Longitudinal Exercise Patterns**

Eliza Scharfstein

WE535

**Supine Resting Hemodynamics are Unchanged by Anticipation of Same-day Exercise**

Johan S Schwartz

WE536

**Causal Effects of Physical Activity and Sedentary Behavior on Stroke Risk: A Systematic Review and Meta-analysis of Mendelian Randomization Studies**

Vartika Singh

WE537

**The Effect of Different Doses of Resistance Exercise on Changes in Monthly Blood Pressure**

Robert Spitz

WE538

**Sex Differences in Actigraphy-Measured Physical Activity Among Young Survivors of Acute Myocardial Infarction**

Kara Suvada

WE539

**The Relation Between Remote Exercise and Mental Health Outcomes Among Insufficiently Active Adults with Obesity**

Katherine Wilbraham

## **Preventive Cardiology 2**

WE541

**Early Detection of Subclinical Myocardial Dysfunction in Diabetes Using Leak-Safe Machine Learning on Routine Clinical Data**

Minh H. N. Le

WE543

**Association of Weekend Warrior and Other Physical Activity Patterns with Mortality Among Adults with Cardiovascular Diseases: A Cohort Study**

Haibin Li

WE544

**Rural Patient Populations Overestimate the Effect of Diet on Common Disease Development**

Jered Eli Miller

WE545

**Association between Cardiometabolic Risk Factors and Future Multimorbidity Patterns: A K-means Clustering Analysis**

Yuki Omoto

WE546

**Sex-Specific Lipidomic Signatures Associated With Obstructive Sleep Apnea Severity**

Yi Hui Ou

WE547

**Patient Perspectives of Life's Essential 8 Cardiovascular Health Questionnaire and Cardiovascular Health Score**

Rafid Quadir

WE548

**Greater Cardiovascular Risk Is Associated with Higher Liver Dysfunction: An NHANES Analysis Using FIB-4 and PREVENT Equations**

Raymond Truong

WE549

**Elemental Determinants of Cardiovascular Health: A Comprehensive Systematic Reviews and Meta-analyses of Observational Studies**

Yanxin Tu

WE550

**Impact of the Mindfulness-Based Blood Pressure Reduction (MB-BP) Program on Cardiovascular Health: A Randomized Clinical Trial**

Vinicius Vieira Neves

WE551

**A Population-Based Study of Modifiable Social and Behavioral Factors and Heart Aging**

Erica P. Wood

WE552

**Differences in metabolic, behavioural and psychosocial risk factors and mortality in women and men: nationwide population based cohort study**

Minghai Yan

WE553

**Discrimination and Calibration of the Pooled Cohort Equation Among Hispanics/Latinos Stratified by Background group and Genetic Ancestry: Insights from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Yawen Yuan

WE554

**Changes in Intrinsic Capacity and Risk of Cardiovascular Diseases in Older Adults: A Longitudinal Study Based on 19 Countries**

Xiaoyu Zhou

**Public Health/Policy 2**

WE555

**Trends in Mortality Due to Use of Tobacco in Coronary Artery Disease Patients Among Younger and Older Adults from 1999-2023 in the USA**

Ayesha Ihsan

WE556

**Digital Media Exposure and Risk of Cardiovascular Disease: A Systematic Review and Meta-Analysis**

Manthar Ali Mallah

WE557

**Estimated Dietary and Health Impact of Implementing a Comprehensive Packaged Food Policy in Ethiopia**

Matti Marklund

WE558

**Projected Health and Economic Impact of National Sodium Reformulation Policies in India: A Comparative Modeling Study**

Jugal Bhatt

WE559

**State Support for Plant-Based Meals in U.S. School Lunch Programs: A National Policy Analysis**

Vishakha Modak

WE560

**Civic Engagement Disparities among Adults with Cardiovascular Disease in the United States**

Dang Nguyen

WE561

**Sex-Specific Trends in Distribution of Heart Failure Subtype at First Heart Failure Hospitalization: Get With The Guidelines-Heart Failure, 2005-2022**

Lucia Petito

WE562

**Community-engaged Intervention Improves Cardiovascular Health Literacy**

Angelina Aduke Toluhi

WE563

**Loneliness, Social Support and Cardiovascular Risk Among Midlife Adults: A Population-Based Study Using the 2023 Behavioral Risk Factor Surveillance System.**

Dennis Dela Tsagli

## **Stroke**

WE564

**Identifying Sex Differences in Proteins Associated with Incident Ischemic Stroke in the UK Biobank**

Benjamin Abijah

WE565

**Association of Stroke Subtypes With Sociodemographic, Modifiable, and Nonmodifiable Risk Factors in an Adult Asian Population: A Cross-Sectional Study**

Jugal Bhatt

WE566

**Barriers and Facilitators to Post-Stroke Rehabilitation Among Stroke Survivors and Caregivers in India**

Kruthika Doreswamy

WE567

**Population Attributable Fractions of Prognostic Factors Associated with Long-Term Risk of Stroke After Transient Ischemic Attack or Minor Stroke: Systematic Review and Meta-Analysis**

Faizan Khan

WE568

**Place of Death for Cerebrovascular Mortality, 2018–2023: Hospice–Forward U.S. Trends From CDC WONDER**

Minh H. N. Le

WE569

**Multimorbidity Burden Differs by Stroke Subtype and Race/Ethnicity: Insights from the All of Us Research Program**

Mahesh Pinapaka

WE570

**Heat and cold waves are associated with increased stroke mortality in Brazil**

Ayush Singh

WE571

**Comorbidities and Outcomes in Patients with COVID-19–Associated Ischemic Stroke: Data from the NIH COVID-19 NeuroDatabank**

Sarah Youssef

WE571A

**Psychosocial Stressors Linking Perceived Neighborhood Physical Disorder to Stroke Risk Among U.S. Adults**

Mohammad Moniruzzaman

## **Surveillance**

WE572

**Intravascular ultrasound and hemodynamics in stenotic lesions of arteriovenous fistulas or grafts in patients on hemodialysis**

Saran Lotfollahzadeh

WE573

**Trends in Cardiovascular Disease (CVD) Risk Factors in American Indian Populations: A Phase 7 update from the Strong Heart Family Study (SHFS)**

Jessica Reese

## **Vaccines and Infections**

WE574

**Systematic Review and Meta-Analysis of Left-Sided Valvular Involvement in Intravenous Drug Use-Associated Infective Endocarditis**

Minh H. N. Le

WE575

**Trends and Disparities in Influenza Vaccination Among Adults with Atherosclerotic Cardiovascular Disease in the United States, 2005-2024**

Reed Mszar

WE576

**Acute Myocardial Infarction Risk Following COVID-19 Infection and Vaccination in the United States**

Joana Tome

## **Workplace Health/Occupational Health**

WE577

**Associations of Occupational and Social Factors with Incident Kidney Stones in the Pro-Saude Study**

Joseph Crivelli

WE578

**Early Bystander Resuscitation in the Workplace: Insights and Implications**

Xavier Jouven

## **Thursday, March 19**

### **Moderated Poster Sessions**

#### **MPS10**

#### **Hypertension**

**Moderator: Eugene Yang, MD, MS**

MPTH55

**Maximum and visit-to-visit variability in blood pressure and the risk of cardiovascular disease stratified by antihypertensive treatment: EPOCH-JAPAN (Evidence for Cardiovascular Prevention From Observational Cohorts in Japan)**

Shingo Nakayama

MPTH56

**Association of Cognitive Decline with Orthostatic Hypotension among Older Adults: Findings from the Atherosclerosis Risk in Communities Study**

Md Marufuzzaman Khan

MPTH57

**Racial disparities in accelerated hypertension onset among women and the role of neighborhood disinvestment: the REasons for Geographic and Racial Differences in Stroke Study**

Elleni Hailu

MPTH58

**The Impact of Postpartum Remote Blood Pressure Monitoring on Hospital Readmission**

Sharon M. Casey

MPTH59

**Cumulative Blood Pressure Burden Above Optimal Level and Risk of Cardiovascular Disease in Patients with Diabetes**

Dasom Son

MPTH60

**Decentralized Hypertension Care Delivered by Non-physician Health Workers in Rural Bangladesh: Results of the CB-HEARTS Pilot Study**

Ahmad Khairul Abrar

**MPS11**

**Physical Activity**

**Moderator: Tiwaloluwa Ajibewa, PhD**

MPTH61

**Women that Meet the Muscle-strengthening Physical Activity Guideline Are Less Likely to Report Hypertension**

Amanda Oroma Dike

MPTH62

**Midlife Resistance Exercise Behaviors and Incident Heart Failure with Preserved Ejection Fraction: The Atherosclerosis Risk in Communities Study**

DJ McDonough

MPTH63

**Effects Of Exercise Training On Predicted ASCVD Risk: Meta-Analysis Across Eight Exercise Training Studies**

Michael Pitre

MPTH64

**High-Intensity Interval Training Provides Greater Gains In Quality of Life Than Moderate-Intensity Continuous Training in Post-Myocardial Infarction Patients: A Systematic Review of Randomized Controlled Trials**

Vartika Singh

MPTH65

**Associations of joint pain and intermittent claudication with objectively measured physical activity: the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Yejin Mok

MPTH66

**No Significant Six-Month Changes in Lifestyle Behaviors Among Adults with Elevated BP or Stage 1 Hypertension in the LINKED-BP Program**

Sarah E Slone

**MPS12**

**CKM and Obesity**

**Moderator: Sophie Claudel, MD**

MPTH67

**Life course BMI and subclinical atherosclerosis in young adulthood**

Fangqi Guo

MPTH68

**Proteinuria Reduction and Cardiovascular and Mortality Outcomes in Chronic Kidney Disease: Evidence Across the CKM Continuum**

Ashish Verma

MPTH69

**Metabolic Dysfunction-Associated Steatotic Liver Disease Across the Cardiovascular-Kidney-Metabolic Spectrum: Insights from the CARDIA Study**

John W Ostrominski

MPTH70

**Patterns of cooking and eating practices are associated with two-year risk of cardiometabolic conditions**

Lorena S Pacheco

MPTH71

**Vitamin E Intake May Mitigate the Risk of APOL1-Associated Kidney Disease Progression Among African Americans**

Joseph Rangel

MPTH72

**Systemic Inflammation Mediates the Association Between Central Obesity and Incident Heart Failure**

Szu-Han Chen

**MPS13**

**Omics 2**

**Moderator: Changwei Li, MD, PhD**

MPTH73

**Gut microbiome, blood metabolome and incident hypertension in Hispanic Community Health Study/Study of Latinos**

Kai Luo

MPTH74

**Metabolomic Responses to Diets Varying in Carbohydrate and Glycemic Index Are Linked to Improved Glucose Metabolism and Insulin Sensitivity: OmniCarb and POUNDS Lost**

Yoriko Heianza

MPTH75

**Linking Pulmonary Function Decline and Cardiovascular Disease Risk via Plasma Proteomics**

Yura Lee

MPTH76

**Genetic Propensity Modifies the Association Between Saturated Fat Intake and Low-Density Lipoprotein Cholesterol**

Alexa Barad

MPTH77

**Genome-wide Characterization of Fourteen Circulating Metals and Possible Contribution to Cardiovascular-Kidney-Metabolic Syndrome**

Guning Liu

MPTH78

**Large-Scale Proteomic Profiling of Cardiac Dysfunction in Men and Women with and without HIV: The MACS-WIHS Combined Cohort Study (MWCCS)**

Yakubu Bene-Alhasan

## **Posters**

### **Cardio-Oncology**

TH800

**Shared Clinical and Genetic Determinants of Cardiometabolic Disease and Lung Cancer**

Sally N Adebamowo

TH801

**Survival predictors vary according to amyloidosis type: a pilot study comparing AL and ATTR**

Paula Aver B Ribeiro

TH802

**Adverse Events Associated with Immune Checkpoint Inhibitors in a Real-World Hispanic Cohort: Analysis of Cardiovascular Outcomes**

Dana Taub

TH803

**Depression and Cancer History Interact to Exacerbate Clinical Cardiovascular Disease Burden Within the Cardiometabolic-Kidney Framework Among US Women, 2017-2024 Behavioral Risk Factor Surveillance System**

Julianne Mercer

TH804

**Understanding Cardiovascular Health Relevance Among Black Breast Cancer Survivors: Insights from the Exploring Cardiovascular Health Outcomes (ECHO) Project**

Timiya S Nolan

TH805

**The Association of Cardiovascular Morbidity and Testicular Cancer Survivorship**  
Michael Rovito

## **Clinical Trials and Intervention Studies**

TH806

**Outreach Strategy Impacts Trial Enrollment, Cost, Efficiency, and Diversity: Results from the GoFresh Trials**

Jose Carranza Celis

TH807

**A Community Health Worker-led Nutrition-Enhanced Hypertension Management Intervention: Randomized Pilot Feasibility Trial**

Jessica Cheng

TH808

**Culturally Tailored Positive Psychological Intervention in a Cluster-Randomized Trial of Blood Pressure Reduction in Spanish-Speaking Hispanics/Latinos with Uncontrolled Hypertension**

Rose Hernandez

TH809

**A Randomized Feasibility Pilot of a Lifestyle Medicine Intervention to Improve Cardiovascular Health: The HeartBeet Clinic**

Stephanie A Hooker

TH810

**PILI Aina: A Multilevel, Culturally Grounded Intervention to Improve Diet and Cardiometabolic Health in Native Hawaiian Homestead Communities**

Claire T Ing

TH811

**Electronic Patient Portal Recruits for Cardiovascular Trials are Demographically Distinct with Improved Rates of Eligibility and Screening Attendance**

Grace Lee

TH812

**Effects of a DASH-style diet on fecal and plasma short-chain fatty acids in adults with type 2 diabetes.**

Noel T Mueller

## **Diabetes 2**

TH813

**Multi-metabolite signatures of continuous glucose monitoring phenotypes are associated with future diabetes risk**

Vaishnavi Krishnan

TH814

**Independent Genetic Effects of GLP1R Locus on Body Mass Index and Type 2 Diabetes**

Chang Liu

TH815

**Exploring the Role of Home Care Workers in Supporting Type 2 Diabetes Management in Older Asian American Adults: A Mixed-Methods Study**

Layna Lu

TH816

**Carbohydrate Quality, Pathway-specific Polygenic Risk Scores, and Risk of Type 2 Diabetes among US Men and Women**

Zhendong Mei

TH817

**Development of a new diabetes classification algorithm for epidemiological studies: The Jackson Heart Study**

Andrew Sims

TH818

**Associations of Glycemic Control and Diabetes Duration With Incident Dementia: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)**

Jason Smith

TH819

**Association between adherence to the Dietary Approaches to Stop Hypertension and cognitive performance in individuals with and without diabetes: data from a large population-based study from Germany**

Paula Stuermer

TH820

**Effects of a Dietary Approaches to Stop Hypertension Diet on Circulating and Fecal Lactate Levels in Type 2 Diabetes: Findings from the DASH4D Randomized Clinical Trial**

Curtis Tilves

TH821

**Pathways Linking Neighborhood Crime to Diabetes Risk among Predominantly African American Adults: Insights from Two Pittsburgh Communities**

Kosuke Tamura

TH822

**Characteristics of Glucagon-like Peptide-1 Receptor Agonist Initiators and Temporal Trends in Prescriptions by Diabetes Status; MarketScan 2016-2023**

Rob F Walker

TH823

**Gut microbiome correlates of CGM metrics and progression toward diabetes in adults without diabetes**

Maura E Walker

TH825

**Diabetic Ketoacidosis in Patients Treated with GLP-1 Agonists and SGLT2 Inhibitors: A Case Series and Clinical Implications in Cardiovascular Care**

Ibrahim Youssef

TH826

**Impact of Glucagon-Like Peptide-1 Receptor Agonists on Asthma Exacerbations Among Individuals with Type 2 Diabetes and Asthma: A Target Trial Emulation Study**

Lijuan Zeng

TH827

**Coffee Intake, Gut Microbiome, and Blood Metabolomic Pathways in Relation to Diabetes and Cardiometabolic Health: Findings from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)**

Yanbo Zhang

TH828

**Pilot Testing Continuous Glucose Monitoring to Improve Glucose Control in Chinese Americans with Type 2 Diabetes**

Yaguang Zheng

## **Health Services Research, Outcomes and Practice Improvement**

TH829

**Physician Perspectives and Barriers to Tirzepatide Use in Heart Failure with Preserved Ejection Fraction and Obesity**

Ishan Abdullah

TH830

**Longitudinal and Demographic Trends in Location of Death Among Patients With Heart Failure in the United States, 2003–2021**

Perisa Ashar

TH831

**Association of food security status with healthcare utilization in HRTSA (Heart Failure Transitional Care Services for Adults) Clinic Patients**

Emily Kathryn Eichstaedt

TH832

**Disparities in Knowledge of Clinical Trials by Disease Status: A Health Information National Trends Survey (HINTS) Study**

Zaib Hussain

TH833

**Patient characteristics associated with 90-day referral to a home-based cardiac rehabilitation program in Kaiser Permanente Southern California**

Matthew Mefford

TH834

**Novel Pharmacist-Led Shared Care Program Improved Lipid Control In Stable Ischemic Heart Disease Patients.**

Vinay Bahadur Panday

TH836

**WinCare 2.0—An Innovative Nonmedical-Care Provider Network for Older Adults With Hypertension: Effects on Blood Pressure Control, Health Status, and Predicted 10-Year Cardiovascular Risk in Urban Primary Care in Eastern Thailand**

Boonsub Sakboonyarat

TH837

**Lifestyle Medicine Healthcare Model Strengthens Primary Care Delivery for Noncommunicable Diseases in Sri Lanka**

Amarasinghe Arachchige Don Nalin Samandika Saparamadu

TH838

**Home-Based Cardiac Rehabilitation: Patient Perspectives from Kaiser Permanente Southern California**

Miriam Silliman

TH839

**Barriers to Enrollment and Attendance in Outpatient Cardiac Rehabilitation Access after TAVI in Tennessee**

Phoebe Tran

TH840

**In a Large Minnesota Healthcare System Most Patients with Hypertension Do Not Use Their Nearest Pharmacy**

Jeremy R Van't Hof

## **Health Tech, Big Data and Machine Learning**

TH841

**Advancing Life's Essential 8: Machine Learning Reveals Actionable Predictors of Cardiovascular Mortality in NHANES 1999–2018**

Liliana Aguayo

TH842

**Machine Learning–Based Analysis of Behavioral and Social Determinants of Cardiovascular Mortality in Adults With Diabetes**

Woo Jin Ahn

TH843

**Signatures for Tailored Cardiovascular Communication: A Three-Pathway Classification With Chatbot-Enabled Delivery**

Patrick J Dunn

TH844

**Beyond the heart: neuropsychiatric factors as leading risk markers for sudden cardiac arrest in the young**

Xavier Jouven

TH845

**Machine Learning-Based Prediction of Sudden Cardiac Death in the General Population Using EHR Data: An Innovative Approach to Prevention**

Xavier Jouven

TH846

**Effects of Clinical Setting and Follow-Up Interval on Echocardiographic Severity Progression in Valvular Heart Diseases**

Minh H. N. Le

TH847

**Explainable Machine Learning–Identified Protective Social, Behavioral, and Clinical Factors for Cardiovascular Diseases**

Minh H. N. Le

TH848

**Explainable Machine Learning-Based Identification of Clinical and Nutritional Determinants of Cardiovascular Diseases**

Minh H. N. Le

TH849

**Machine Learning-Based Magnetic Respiratory Sensing Technology and Hypergraph Network Modeling of Respiratory and Cardiovascular Comorbidity**

Dang Nguyen

TH850

**Explainable Digital Twins for Noninvasive Echocardiographic Reconstruction of Left Ventricular Pressure-Volume Loops**

Dang Nguyen

TH852

**Real-Time Mitral Valve Segmentation on 3-D Transesophageal Echocardiography with Quality Assurance for Intraoperative Decision Support**

Dang Nguyen

TH853

**Performance of Machine Learning-based Weighted Life's Essential 8 Scores in Predicting Cardiovascular and All-Cause Mortality**

Elisabeth Lilian Pia Sattler

TH854

**Digital Twins Powered by Generative Artificial Intelligence Support Long-Term Evaluation of Obesity and Cardiometabolic Outcomes**

Eric Wu

## **Implementation Science**

TH855

**Examining the Implementation of Rethink Food's Food Is Medicine Model Leveraging Partnerships with Community-based Organizations and Restaurants**

Perla Chebli

TH856

**Program Engagement and Frequency of Hospital Readmission among Participants of Postpartum Remote Blood Pressure Monitoring: Differences by Preferred Language**

Idalis Chestnut

TH857

**Adaptation of digital nudges to promote healthy food choices in online food pantries using community co-design**

Jenny Jia

TH858

**NutriConnect: Enhancing Health and Food Security through Sustainable Solutions and Partnerships: Results of a Pragmatic Comparative Effectiveness Trial**

Jing Li

TH860

**Health Impact of Front-of-Pack Nutrition Information Box and Nutrient Warning Labels: Results from a 20-Year U.S. Simulation Study**

Yanfang Su

TH861

**Global Dietary Sodium Reduction Policies and Interventions: An Umbrella Review**

Yanfang Su

## **LGBTQ Health**

TH863

**Assessing Differences in Hypertension Prevalence and Incidence by Sexual Orientation: Analysis using Electronic Health Records from an Illinois Health System**

Adovich Rivera

## **Lipids and Lipoproteins**

TH864

**Lipidomic Signatures of Insulin Resistance and Risk of Diabetes: A Longitudinal Study in American Indians**

Mingjing Chen

TH865

**Prevalence of High Lipoprotein(a) among People with and without HIV in the UK Biobank**

Katherine Connors

TH866

**Associations of Plasma Very Long-Chain Saturated Fatty Acids with Cardiovascular Disease Risk are Influenced by Lipid Interactions**

Ines Dominguez-Lopez

TH867

**Surveillance of Lipids and Glycemia Profiles and their Awareness in the Adult Population: Italian Health Examination survey 2023-2025 - CUORE Project**

Chiara Donfrancesco

TH868

**Plasma Lipidome, Apolipoprotein-Defined High-Density Lipoprotein Subspecies, and Their Associations with Coronary Heart Disease Risk**

Han Han

TH869

**Association between extremely high HDL cholesterol level and mortality among alcohol consumers**

Xudong Hu

TH870

**Elevated Lipoprotein(a) and Atherosclerotic Cardiovascular Disease Risk at Optimal Low-Density Lipoprotein Cholesterol Levels in Statin-Naive Adults**

Om Kothari

TH871

**High Lipoprotein (a) Associated with Decreased Bone Mineral Density in Post-Menopausal Women**

Rayan Mamoon

TH872

**Elevated Lipoprotein(a) and Incident Aortic Stenosis Independent of Low-Density Lipoprotein Cholesterol in a Multisystem United States Cohort**

Kevin Maymi-Quintana

TH873

**Plasma Proteins Underlying Changes In Triglyceride Metabolism With Exercise Training**

Margaret McBride

TH874

**The Platelet-to-HDL Ratio Partially Mediates the Association Between Lipoprotein(a) and Abdominal Aortic Aneurysm: A Single Center Retrospective Study**

Lushun Yuan

## **Methodology and Data Science**

TH875

**Assessing Calibration and Recalibration of Clinical Prediction Models Using Pseudo-Values Regression**

Andrea Bellavia

TH876

**Twenty-four-month Changes in Lipid Optimization among Urban and Rural Veterans: VALOR-QI program**

Mason Coleman-Lopez

TH877

**A multi-state Causal Framework to Estimate the Effects of Treatment Regimes over the Course of Heart Disease**

Ming Ding

TH878

**Explainable OCT-Based Atherosclerotic Plaque Segmentation Using Convolutional Neural Networks and Large Language Models**

Isheeta Gupta

TH879

**Baseline Metabolomic Profile Predicts 5-Year Multimorbidity Trajectories and Incident Disease Risk in a Community-Dwelling Japanese Cohort**

RYOTA TOKI

## **Mobile Health Technologies and Wearables**

TH880

**Feasibility and Acceptability of Fitness Testing at the Minnesota State Fair**

Gabriela Christensen

TH881

**Demographic and Cardiovascular Risk Factors Influence Midlife Cognitive Function: Evidence from the i3C DECADE Study**

Vanessa Fonseca Lomeli

TH882

**Pigmentation-Related Disparities in Smartwatch Photoplethysmography for Atrial Fibrillation Detection: A Scoping Review**

Louis Li

## **Neurocognition and Brain Health**

TH883

**Social Determinants of Health and Circulating Biomarkers of Neurodegeneration: the REasons for Geographic and Racial Differences in Stroke (REGARDS) Cohort**

Jenna Bourdeau

TH884

**Pulse Pressure as a Mediator of the Association Between Cognition and Bone Health in Older Women: Findings from the Study of Muscle, Mobility and Aging- Bone Ancillary Study (SOMMA Bone)**

Lauren Carlson

TH885

**Clinical Obesity as Defined by Lancet Guidelines Is Significantly Associated with Neuroimaging Markers: The Bogalusa Heart Study**

Christian Corsten

TH886

**Associations between Life's Essential 8 and Plasma Biomarkers of Alzheimer's Disease Pathology, Neurodegeneration, and Neuroinflammation across Mid- to Late-Life: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)**

Randy Fakhreddin

TH887

**Modifiable Risk Factors for Dementia and Their Association with Cognitive Performance and Brain Structure Among Hispanic/Latino Individuals in Early and Middle Adulthood**

Paola Filigrana

TH888

**Do Midlife Diet and Physical Activity Build Cognitive Reserve for Later Life? Results from the Framingham Heart Study**

Phillip Hwang

TH889

**Equol or equol producer - which is more important for cognition?**

Mengyi Li

TH890

**Urinary Metabolomics Signature for Cognitive Function among African American Patients with Chronic Kidney Disease**

Mingyue Li

TH891

**Association of Cardiovascular and Social Risk Factors with Cognitive Function in Low Income Hypertension Patients with Low Cognitive Reserve**

Samantha O'Connell

TH892

**Sex Discordance in a Novel Electrocardiographic Sex Index is Associated with Incident Cognitive Disorder**

Christopher L Schaich

TH893

**Higher Carotid IMT Is Associated With Worse Cognitive Function Independently Of Age In Healthy Adults in Midlife**

Jordan Sill

TH894

**Blood Pressure at Intensive and Conservative Thresholds has Sex/Gender-Specific Associations With Cognition Function and Decline: a Quantile Regression Analysis in the Health and Retirement Study**

Kendra D Sims

## **Non-Medical Drivers of Health 2**

TH896

**Exploring the Potential of Barbershop-Based Cardiovascular Health Interventions in a State Prison: a Qualitative Study**

Jerimiah Kouka

TH897

**Fatality After Acute Myocardial Infarction in Immigrants Compared to Native Koreans: A Nationwide Population-Based Study**

Joongyub Lee

TH899

**Summary Measure of Social Determinants of Health/Health Equity and Cardiovascular Disease Outcomes among Mississippi Adults**

Vincent L Mendy

TH900

**Prediabetes in U.S. Adolescents: National Prevalence and Disparities in Hospitalized Populations, 2022**

Priyanka Mohnani

TH901

**Geographic Disparities in Transcatheter Aortic Valve Replacement (TAVR) Outcomes at Shasta Regional Medical Center: Assessing the Impact of Rural Residence, Comorbidities, and Access to Care.**

Callen Moon

TH902

**Joint Impact of Social Determinants of Health Burden and Coronary Artery Disease on All-Cause and Cardiovascular Mortality: 18-Year Follow-up From National Health And Nutrition Examination Survey 2000–2018**

Muhammad Abdullah Nizam

TH903

**Health Literacy and Lifestyles in the Italian Adult Population Aged Under and Over 65 Years: a National Survey**

Luigi Palmieri

TH905

**Social Drivers of Health Screening and In-Hospital Outcomes for Cardiovascular Patients in Oregon**

Kateri Spinelli

TH906

**Design of the HerStory First Study: A Step Toward Understanding Stress, Resilience, and Diet Quality for Culturally Restorative CVD Prevention in Young African American Women**

Sparkle Springfield

TH907

**Assessing the Impact of Unmet Social Needs on Clinical Outcomes in Reproductive-Aged Women with Atrial Fibrillation**

Nazish Tarar

TH908

**Housing Insecurity Is Positively Associated With Cardiovascular Disease and Risk Factors In Northern New England**

Neha Veeranna

TH909

**Psychosocial Adversity Associates with Lipid Profiles Among African American Women in Resource-Limited Neighborhoods: Findings from the Step It Up Community-Engaged, Digital Health Physical Activity Intervention**

Madyson Williams

TH910

**Examining the Associations Between Social Vulnerability and Clinical and Behavioral Risk for Atherosclerotic Cardiovascular Disease among Women with HIV and Women without HIV**

Jenni Wise

TH911

**Association of Stroke with Social Determinants of Health and Race-Gender Demographics**

Panchanit Yongkiatkan

TH912

**Acculturation and Diet in Asian and Pacific Islander Immigrants: A Scoping Review**

Angela Zhang

TH913

**Serum Metabolomics and the Association between Social Determinants of Health and Heart Failure: The Atherosclerosis Risk in Communities (ARIC) Study**

Rani Zierath

### **Nutrition and Diet 3**

TH914

**Food insecurity is related to lower nutrient intake in college students: Findings from the FRESH Study**

Suzanna Martinez

TH915

**Binge Eating Symptoms are Prospectively Associated with Cardiovascular Disease Risk Factors in Early Adolescence: the Adolescent Brain Cognitive Development (ABCD) Study**

Nathan D Nguyen

TH916

**Differential effects of fruit and vegetable types on lipid profiles and metabolic responses in free-living individuals with untreated prehypertension**

Linda M Oude Griep

TH917

**Food Insecurity Among Older Adults with Coronary Heart Disease: 2014-2024 Trends in the United States**

Eyram Owusu-Sekyere

TH919

**Associations of total and types of fish intake with cardiometabolic diseases: cross-sectional findings from the South Asia Biobank**

Nazmul Sarwar

TH920

**Plant-based Diet Quality and Cardiometabolic Biomarkers in Pregnant U.S. Women**

Ling Shi

TH921

**Impact of Added Sugar Sources on Diet Quality and Nutrient Intakes in Children and Adults: A Cross-sectional Analysis of the National Health and Nutrition Examination Survey 2011-2018**

Bibiana Garcia-Jackson

TH922

**Dietary Conjugated Linoleic Acid Shapes the Host Plasma Metabolome and Gut Microbiome and Is Associated with Coronary Heart Disease in U.S. Individuals**

Zhiyuan Wu

TH923

**Proteomic Signature of the Dietary Approaches to Stop Hypertension (DASH) Diet by Diabetes Status**

Jiaqi Yang

TH924

**Associations Between a Validated Dietary Approaches to Stop Hypertension (DASH) Screener Score and Cardiovascular Biomarkers in National Health and Nutrition Examination Survey (NHAHES), 2009-2014**

Qisi Yao

TH925

**Associations Between a Validated Dietary Approaches to Stop Hypertension (DASH) Diet Screener Score and Cardiovascular Biomarkers in the Stenting vs. Aggressive Medical Management for Preventing Recurrent Stroke in Intracranial Stenosis (SAMMPRIS) Trial**

Qisi Yao

## **Peripheral Artery Disease and Venous Thrombosis**

TH926

**Association between Frailty and Peripheral Artery Disease among Older Adults: the Atherosclerosis Risk in Communities (ARIC) Study**

Francis Ryan R Avenido

TH927

**Validity of Ankle-Brachial Index and Other Modalities to Identify Peripheral Artery Disease in the Community**

Tianyu Cao

## **Pharmacoepidemiology**

TH928

**Sequence Symmetry Analysis Shows Cardiovascular Safety Signals Associated with Non-Steroidal Anti-Inflammatory Drugs**

Sumedha Bobba

TH929

**GLP-1 Receptor Agonist Medication Use Persistence in the All of Us Research Program**

George Hatzis

TH930

**Potential overtreatment of older adults with diabetes and dementia: a real-world study**

Zixuan He

TH931

**Investigating the Association Between  $\alpha$ 1-antagonist Use and Symptomatic Lower Extremity Venous Disease**

Nikolay Ivanov

TH932

**National Trends in Oral Anticoagulant Use Among U.S. Adults and Different Subgroups: Analysis of NHANES 2009–2020**

Tung Pham

TH933

**Age-Related Differences in Uptake of Guideline-Directed Therapy for HFpEF During Hospitalization**

Bryan Redmond

TH934

**Real-World Comparison of Crizanlizumab With or Without Hydroxyurea Versus Usual Care on Vaso-Occlusive Crisis Frequency in Sickle Cell Disease**

JINGJING SUN

TH935

**Glucagon-Like Peptide-1 Receptor Agonists Are More Frequently Prescribed to Individuals at Lower Predicted Cardiovascular Risk Than Those at Higher Risk Among People Without Diabetes**

Shuhan Yang

**Promoting and Measuring Health Behaviors**

TH936

**Cardiovascular Health as Defined by Life's Essential 8 is Associated with Vascular Function in Middle-Aged Females**

Susmita Basnet

TH937

**Utilizing Life's Essential 8 for Hypertension Management Among Black Patients at a Federally Qualified Health Center (FQHC)**

Nishka Dalal

TH938

**Association between AHA's Life's Essential 8 and Coronary Artery Plaque Burden in the VA Million Veteran Program**

Rose D Huang

TH939

**Segmented Assimilation Measurement of Diet and Acculturation: Findings from The Hispanic Community Health Study/Study of Latinos**

Juliana Teruel Camargo

TH940

**Enhancing Patient Safety Through Health Literacy: A Quantitative Outcomes Study of the P.L.A.N. Counseling Tool in People Experiencing Homelessness**

Esha Kanna

TH941

**Cardiovascular Health of First-Time Fathers During Pregnancy: Findings from the Dad Bod Observational Cohort Study**

Matthew J Landry

TH942

**A Human-Centered Design Approach to Develop 'The Health Integrated Nutrition and Kidney Wellness' Intervention with Community, Health System, and Patient Partners**

Linda-Marie Lavenburg

TH943

**Healthy Hearts & Healthy Minds: A Case Study on Centering Wellness Across Cardiovascular and Mental Health Throughout the Perinatal Period Among African American Communities**

KRISTELLE PIERRE

## **Psychosocial Factors 2**

TH944

**Perceived Lifetime Discrimination and Arterial Pressure: The Mediating Roles of Anger Expression, Sleep Disturbances, and C-Reactive Protein Among Black Adults**

Allana T. Forde

TH945

**The Weight of Stress: Examining the Association Between Perceived Stress and Body Mass Index (BMI) in The EPIPHANY (Equity in Prevention and Progression of Hypertension by Addressing barriers to Nutrition and Physical Activity) Study**

Miriam A Miles

TH946

**Examining Bi-directional Effects between Mental Health and Physical Activity**

Jung Min Noh

TH947

**Associations of Breakfast Skipping with Mental Health Status and Overweight, Obesity among African American College Students in the Southern US**

Dinan Noor

TH948

**Neighborhood problems, Identity Vitality Pathology, and Hypertension: A Race-Stratified Analysis**

Hannah Pleasants

TH949

**Sharing Health Goals Within Social Networks: Family and Friend Connections in Relation to Life's Essential 8**

Jewel Scott

TH950

**Association between psychological resilience and biological age among early midlife Black women**

Telisa Spikes

TH951

**Association between post-traumatic stress disorder and hypertension among adults in Puerto Rico**

Martha Tamez

TH952

**Self-reported stress overload experience, autonomic tone and acute mental stress cardiovascular reactivity: The African-PREDICT study**

Annemarie Wentzel

TH953

**The Roles of Major Life Stressors in The Development of Cardiovascular Disease: Findings from the Jackson Heart Study**

Shuqi Zhang

MPTU13

**Inclusion of Incarcerated Individuals and Their Families in Cardiovascular Health Research: Insights from Community-Based Focus Groups**

Victoria Hummel

## **Risk Prediction**

TH954

**High, even more than low, ankle-brachial index (ABI) associated with elevated risk of incident cardiovascular disease and all-cause mortality: The Hispanic Community Health Study/Study of Latinos (HCHS/SOL).**

Eyram Cyril Bansah

TH955

**Framingham as Benchmark: Convergence of a Literature-Based Modular Model for Ten-Year Coronary Heart Disease Risk**

Julia Blumkaitis-Bosankic

TH956

**Grim Age Acceleration Does Not Improve Risk Prediction of the PREVENT (Predicting Risk of Cardiovascular Disease Events) Base Equation**

Bedirhan Boztepe

TH957

**Performance of Cardiometabolic Polygenic Scores in a high-altitude Peruvian Population**

Andy Castaneda

TH958

**Cardiovascular Risk Stratification Among United States Adults with Metabolic Dysfunction–Associated Steatotic Liver Disease**

Jingyao Chen

TH959

**Early Metabolic Imbalance in Lean Young Adults is a Risk Factor for Midlife Obesity**

David P Cistola

TH960

**Coronary and cerebrovascular diseases risk in the adult population: Italian Health Examination Survey 2023-2025 - CUORE Project**

Chiara Donfrancesco

TH961

**Beyond Traditional Risk Factors: A Data-Driven Approach to Coronary Artery Disease (CAD) Prediction**

Isheeta Gupta

TH962

**Trends in Cardiovascular Disease and Risk Factors Between 2004 and 2021: Findings From the Millennium Cohort Study**

Claire Kolaja

TH963

**Performance of PREVENT-HF Risk Equations across HFpEF vs HFrEF**

Juhi K Parekh

TH964

**Trends in cardiovascular disease risk factors and predicted 10-year risk among adults with hypertension in Thailand, 2011–2018**

Boonsub Sakboonyarat

## **Subclinical Cardiovascular Disease**

TH965

**Equol-Producing Status and Carotid Plaque and Carotid Intima-Media Thickness in Older Adults**

Mindy L Coccari

TH966

**Allostatic load and subclinical atherosclerosis in young adults**

Fangqi Guo

TH967

**Exploring the association between coronary artery calcium score and behavioral and social determinants of subclinical atherosclerosis in an Appalachian population**

Hadii M Mamudu

TH968

**Piloting Feasibility of Conducting Arterial Stiffness Measurements in the Emergency Department**  
Lindsay Stewart

TH969

**High Left Ventricular Mass on Cardiac Magnetic Resonance Imaging is Associated with Incident Frailty in Community-dwelling Adults**

Saadia Qazi

TH970

**Physical Activity Levels and Cardiovascular Health Profiles among First-year Medical Students: A Cross-Sectional study**

Elizabeth Diego Sanchez-Sanchez

TH971

**Life's Essential 8-Based Models Predict Subclinical Cardiovascular Disease And Are Not Strengthened by the Inclusion of Social Determinants of Health**

Jordan Sill

TH972

**Pulmonary Artery Pulsatility Measured by Cardiac Magnetic Resonance Imaging in Over 42,000 Participants Reveals Novel Genetic Risk Loci**

Kuldeep Singh

TH973

**Longitudinal Associations of Blood Pressure and Arterial Stiffness in Youth with Type 1 and Type 2 Diabetes: The SEARCH for Diabetes in Youth Study**

Curtis Tilves

TH974

**Left Ventricular Mass Index Changes across 20 Years of Follow-up Among Pre-Menopausal Women: The National Growth and Health Study**

Jessica G Woo

## **Women's Health 2**

TH975

**Limited English Proficiency and its Association with Hypertension Cascade among a Nationally Representative Sample of Reproductive-aged Women**

Sharmaine Michele McCoy

TH976

**Premenopausal Depression and Risk of Incident Cardiovascular Disease in Postmenopausal Women: A TriNetX-Based Cohort Study**

Matthew Nudy

TH977

**Endometriosis and Early-Onset Cardiovascular Disease: Effect Modification by Systemic Inflammation and Age at Menarche**

Chidinma Oli

TH979

**Lipoprotein(a) Across Menopause: Longitudinal Changes in the UK Biobank**

Catherine Palmer

TH980

**Proteomic Architecture of Early Menopause and Association with Cardiometabolic and Mortality Risk**

Frank Qian

TH981

**Associations of Diet during Pregnancy with Cardiovascular Health (Life's Essential 8) among Women in Midlife**

Sheryl L Rifas-Shiman

TH982

**Proteomic Profiles and Pathways of Ischemic Stroke Risk in Women from the Nurses' Health Study**

Kevin Sanchez

TH983

**Endometriosis and Subsequent Risk of Hyperlipidemia**

Karen Schliep

TH984

**Adverse gestational outcomes elevate risk of cardiac and vascular dysfunction in pre-menopausal women**

Jessica G Woo

TH985

**Optimal Dietary Patterns for Improving Health-Related Quality of Life during the Menopausal Transition: Two Large Prospective United States Cohort Studies**

Tong Xia

TU150

**Associations of Per- and Polyfluoroalkyl Substances with Cardiovascular Risk in Midlife Women and the Potential Protective Role of Dietary Fiber**

Sanaz Pourreza