

THE CENTER OF BIOMEDICAL RESEARCH EXCELLENCE IN CARDIOVASCULAR HEALTH: 2024 CARDIOVASCULAR RESEARCH SYMPOSIUM LIST OF POSTERS

1

Development of a Tissue Engineered Construct to Quantify the Influence of Pathological Hemodynamics on Brain Strain and Injury

Presenter: Rishabh Singh

Co-authors: Taitano R., Singh R., Freeman S., Slater J.

2

Effect of a chatbot-led sleep intervention on sleep health metrics in Black/African American college students with cardiometabolic risk

Presenter: Sanaz Taherzadeh

Co-authors: Taherzadeh, S., Brownlow, J., Patterson, F., Orsega-Smith, E., Zhang, J., Wolgast, B., Ji, X.

3

Stability of Sleep and Cardiovascular Health Metrics Across a 1-year Period in Young Adults

Presenter: Thomas Keiser

Co-authors: Hoopes, E., D'Agata, M., Szymanski, K., Brewer, B., Witman, M., Patterson, F.

4

Obesity induces an increase in fatty acid uptake in endothelium of visceral adipose arteries without altering CD36 expression.

Presenter: Erica Johnson

Co-authors: Rokka, S., Halbert, C. Nguyen, T., Fancher IS.

5

Affective responsivity to daily stressors and microvascular endothelial function

Presenter: Aaron S Autler

Co-authors: Clarisse M Hunt, Ashley M Darling, Jacqueline Mogle, David

M Almeida, and Jody L Greaney.

6

Elevated Glucose and Fatty Acids Enhance Mitochondrial CD36 Expression and ROS Production in Endothelial Cells

Presenter: Bhaswati Kashyap

Co-authors: Thanh Nguyen, Erica Johnson, Ibra S Fancher

7

Energy Metabolism of PBMCs in Adults with HFrEF and Clinically Significant Fatigue

Presenter: Christine Hoch

Co-authors: Klinedinst, N.J., Rangghran, P., Gottlieb, S., Borcar, A.

8

Predictors of Attenuated Chronotropic Response to Aerobic Testing Following Lower-Limb Loss

Presenter: Samantha Stauffer

Co-authors: Sarlo, FB., Horne, JR., Sions, JM.

9

Extracellular Endothelial Microvesicles Causative Agents in Obesity-Related Endothelial Dysfunction

Presenter: Vinicius Pacheco Garcia

Co-authors: Garcia V.P., Brewster L.M., Fandl H.K., Stockelman K.A., DeSouza N.M., Treuth J.W., Greiner J.J., Davy K.P., DeSouza C.A.

10

A high potassium intake improves endothelial function and reduces IL-6 under high-sodium conditions in salt-resistant adults

Presenter: Cesar Jacintho Moritz

Co-authors: Andrea J. Lobene, Kathryn E. Kaseman, Jessica M. Irwin,

William B. Farquar, Shannon L. Lennon.

11

Type 2 diabetes is associated with endothelial dysfunction

Presenter: Emma Hudgins

Co-authors: Masoumeh Sadeghinejad, Adam Bonar, Erica J. Johnson,

Ibra S Fancher

12

Altered Peripheral Arterial Function and Wave Reflection in Boys with Duchenne Muscular Dystrophy

Presenter: Alexs Matias

Co-authors: Krista M. Szymanski, Michele N. D'Agata, Mena Scavina, Michael A. McCulloch, Julio A. Chirinos, David G. Edwards, Melissa A.

Witman

13

Diet quality and microvascular endothelial function in emerging adults

Presenter: Clarisse Hunt

Co-authors: Autler, AS., Trabulsi, JC., Greaney, JL.

14

Effects of chronic kidney disease and exercise training on blood pressure dipping

Presenter: Jessica Irwin

Co-authors: Danielle L. Kirkman, David G. Edwards

15

The effects of added sugar intake on cerebrovascular health in midlife adults

Presenter: Kevin Decker

Co-authors: Zoe Rigas, Nicholas A. Rizzi, Catherine Awad, Faria Sanjana, Mary K. Kramer, Curtis L Johnson, Shannon L. Lennon, Christopher R.

Martens

16

Exploring a Potential Relation Between Vitamin D and Blood Pressure Variability in Young Black Women

Presenter: Evan Ciecko

Co-authors: D'Agata, M., Matias, A., Szymanski, K., Witman, M.

17

HEALTH for All: Blood Pressure Disparities in New Castle County, Delaware

Presenter: Juneessa Pressley

Co-authors: Christine Sowinski, Heather Milea, Jennifer Horney

18

The Effect of a Diet High in Added Sugars on Circulating Brain– Derived Neurotrophic Factor

Presenter: Nick Rizzi

Co-authors: Decker, K., Rigas, Z., Awad, C., Sanjana, F., Cohen, M., Lennon,

S., Martens, C.

19

Cardiovagal Baroreflex Sensitivity in Pre- and Perimenopausal Women

Presenter: Allyson Schwab

Co-authors: Shane J. McGinty, Megan M. Wenner

20

Dissecting the Dissection: Decision making in Aortic Disease with Focus on Turner Syndrome

Presenter: Hisham Sherif

21

Quantifying Biomarkers in Blood: A New Frontier for Early Detection of Alzheimer's Disease

Presenter: Kirti Daga

Co-authors: Rizzi, A., Decker K., Cohen, M., Pohlig, R., Brockmeier, A.,

Johnson, C., and Martens, C.