

## POSTER LISTING

Program as of 19/11/2024

### Clinical trials and blood pressure measurement

P100	<b>Dr Audrey Adji, St Vincent's Hospital; UNSW; VCCRI</b> <i>Association between arterial stiffness and cognitive decline in older individuals with mild cognitive impairment</i>
P101	<b>Dr Tan Bui, Menzies Institute for Medical Research, University of Tasmania</b> <i>Systematic review of the proportion of females and males recruited in blood pressure device validation studies and relationship with measurement accuracy</i>
P102	<b>Dr Tan Bui, Menzies Institute for Medical Research, University of Tasmania ECR poster finalist</b> <i>Properly validated wrist cuff devices provide accurate blood pressure measurements: A systematic review and meta-analysis</i>
P103	<b>Assoc Prof Jonathan Mynard, Murdoch Children's Research Institute</b> <i>Validation of the Uscom BP+ Automated Oscillometric blood pressure monitor for professional office use in children and adolescents according to the AAMI/ESH/ISO Universal Standard (ISO 81060-2:2018)</i>
P104	<b>Dr Dean Picone, University of Sydney</b> <i>Is there a difference in the accuracy of automated blood pressure devices designed for home or in-clinic use? A systematic review and meta-analysis of validation studies</i>
P105	<b>Prof James Sharman, Menzies Institute for Medical Research</b> <i>Strong support for automated office blood pressure in Australian general practice: Enablers and challenges to implementation</i>
P106	<b>Prof James Sharman, Menzies Institute for Medical Research</b> <i>Guideline-recommended office blood pressure measurement is not feasible in routine clinical practice: Time to align clinical guidelines with clinical reality</i>
P107	<b>Ms Mingjuan Zeng, School of Population Health, University of New South Wales; The George Institute for Global Health Student poster finalist</b> <i>Consumer perspectives on different blood pressure measurement methods in Australia</i>

### Comorbidities

P108	<b>Miss Yuvi Lutchman, University of New England</b> <i>Beyond the beats: Is central blood pressure variability associated with mental health?</i>
P109	<b>Miss Mariya Patel, Swinburne University of Technology</b> <i>Association between resting-state brain dynamics and cardiometabolic profile in healthy individuals with varying adiposity levels</i>

### Complications of Hypertension (stroke, kidney disease, heart failure, aortic aneurysm and others)

P110	<b>Dr Taku Furukawa, Florey Institute</b> <i>Validating the safety and reliability of recruiting renal functional reserve to predict the risk of acute kidney injury transitioning to chronic kidney disease in a sheep model of cardiopulmonary bypass</i>
P111	<b>Dr Lakshini Herat, UWA School of Biomedical Sciences - Dobney Hypertension Centre</b> <i>Dual Inhibition of SGLT1 and 2 promotes cardio-renal protection in mice with type 1 diabetes</i>
P112	<b>Dr Sapna Ramdin, Durban University of Technology, South Africa</b> <i>Arginine vasopressin-induced renal dysfunction in a rodent model of preeclampsia</i>
P113	<b>Assoc Prof Jun Yang, Hudson Institute of Medical Research</b> <i>Screening for primary aldosteronism is underutilised in patients with atrial fibrillation: A retrospective cohort study</i>

### Mechanisms of hypertension (physiological, RAAS, molecular, immune, molecular biology and others)

P114	<b>Dr Zoe McArdle, Monash University ECR poster finalist</b> <i>Temporal differences in pressure natriuresis resetting in female and male rats</i>
P115	<b>Mr Gianni Sesa-Ashton, Baker Heart and Diabetes Institute</b> <i>Increased serum short-chain fatty acid concentrations correlate with reduced sympathetic drive in resistant hypertension</i>
P116	<b>Dr Pratik Thakkar, University of Auckland, New Zealand ECR poster finalist</b> <i>GLP1 receptor agonist ameliorates high blood pressure and high blood sugar in a novel rat model of "glucotension"</i>

<b>New therapies (devices, pharmacological, non- pharmacological)</b>	
P118	<b>Assoc Prof Nalini Govender, Durban University of Technology, South Africa</b> <i>Does oral administration of Nicotinamide improve renal function in preeclamptic Sprague Dawley rats?</i>
P119	<b>Dr Connie Ow, The Florey Institute of Neuroscience and Mental Health</b> <i>The safety and efficacy of SGLT2 inhibitor and GLP-1 peptide hormone on renal tissue oxygenation and histopathology in ovine septic acute kidney injury</i>
P120	<b>Dr Connie Ow, The Florey Institute of Neuroscience and Mental Health ECR poster finalist</b> <i>The effects of tempol on renal medullary tissue hypoperfusion, hypoxia and acute kidney injury in established ovine Gram-negative sepsis</i>
P121	<b>Dr Rebecca Reddy, Durban University of Technology, South Africa</b> <i>Assessing the preclinical efficacy of dombeya rotundifolia in an arginine vasopressin rat model of pre-eclampsia</i>
P122	<b>Prof Markus Schlaich, Royal Perth Hospital, University of Western Australia</b> <i>Effect of the dual endothelin antagonist aprocitentan on albuminuria in patients with resistant hypertension</i>
P123	<b>Prof Markus Schlaich, Royal Perth Hospital, University of Western Australia</b> <i>Impact of arterial stiffness on the blood pressure lowering effect of the dual endothelin antagonist aprocitentan in patients with resistant hypertension</i>
<b>Other</b>	
P124	<b>Dr Taku Furukawa, Florey Institute Student poster finalist</b> <i>Effects of haemadsorption on cardiovascular function and clearance of antibiotics with the HA380 cartridge</i>
P125	<b>Ms Jessica Smith and Mehrisa Ram, The George Institute</b> <i>Join Us: Supporting recruitment to research studies</i>
P126	<b>Miss Rachel Peiris, The Florey Institute of Neuroscience and Mental Health Student poster finalist</b> <i>Splanchnic sympathetic nerve denervation improves bacterial clearance and clinical recovery in established ovine Gram-negative bacteremia</i>
P127	<b>Dr Suzanne Pears, Heart Research Institute</b> <i>Acute Blood Pressure Response to Antihypertensives During Anaesthesia in an Experimental Model of Preeclampsia</i> <i>Acute Blood Pressure Response to Antihypertensives During Anaesthesia in an Experimental Model of Preeclampsia</i>
<b>Public Health and Epidemiology</b>	
P128	<b>Dr Nanthini Akkarapalayam Thirunavukkarasu, Thanjavur Medical College, The Tamilnadu Dr.M.G.R Medical University, India</b> <i>Hypertension screening an inexpensive technique still under used in rural population of Salem district, India - a cross-sectional study</i>
P129	<b>Dr Nanthini Akkarapalayam Thirunavukkarasu, Thanjavur Medical College, The Tamilnadu Dr.M.G.R Medical University, India</b> <i>Prevalence of hypertension and diabetes mellitus among the migrant workers in construction sites in Salem district, India 2024: A cross sectional study</i>
P132	<b>Assoc Prof Chris Moran, Monash University</b> <i>Antihypertensive choice and cognition in older Australians</i>
P133	<b>Dr Issada Trakarnwijitr, Monash University</b> <i>Sex differences in the treatment and control of hypertension among older Australians</i>
<b>Pulmonary Hypertension</b>	
P134	<b>Dr Luke Fletcher, Austin Health</b> <i>Differences in direct fick and thermodilution measurements of cardiac output: Impact on pulmonary hypertension classification</i>
<b>Risk factors (diet, obesity, microbiome, exercise, genetics, cardiometabolic and others)</b>	
P135	<b>Dr Lauren Blekkenhorst, Edith Cowan University</b> <i>Cruciferous vegetable effects on blood pressure in middle-aged and older adults with mildly elevated blood pressure</i>
P136	<b>Prof Clare Collins, University of Newcastle</b> <i>Diet-metabolite relationships with blood pressure in response to healthy versus unhealthy diets</i>
P137	<b>Mr Nnamdi Esemé, Menzies Institute for Medical Research</b> <i>Investigating the relationship between health literacy and cardiovascular diseases among Australian Adults and their families</i>
P138	<b>Mr Chaoran Yang Yang, Monash University Student poster finalist</b> <i>Faecal metaproteomics analysis reveals a high cardiovascular risk profile across blood pressure, diet, human and microbial proteins</i>