

# SAHS 2<sup>nd</sup> NextGen Virtual Spring School

Thursday, 12 October 2023

08:00 – 17:00 (South African Time)

## Hypertension and Circulatory Health: A Focus on Prevention and Treatment

### PROGRAMME

08:00	Welcome & Introduction	Ruan Kruger Potchefstroom, SA
08:10 - 09:00	<b>Plenary Session 1</b> <b>Chairs:</b> Prof Nash Ranjith & Prof Lebo Gafane-Matemane	
08:10	Challenges and solutions to accurately measure blood pressure	<b>Alta Schutte</b> Sydney, Australia
08:35	Gut microbiota and hypertension	<b>Francine Marques</b> Melbourne, Australia
09:00 - 10:30	<b>Moderated abstract session</b> <b>Chairs:</b> Prof Angela Woodiwiss & Prof Carina Mels	
09:00	Identifying a urinary peptidomics profile for hypertension in young adults: The African-PREDICT study	Dalene de Beer
09:15	Impact of uromodulin concentration on renal and haemodynamic parameters in a community of African ancestry with a high prevalence of hypertension	Aaliah Charles
09:30	Marked increases in proximal aortic characteristic impedance and hence forward wave pressures beyond brachial blood pressure in patients with angiographic proven coronary artery disease	Danelle Els
09:45	CYP3A5 genetic variation on susceptibility to resistant hypertension among African hypertensive patients	Jonathan Katsukunya
10:00	The absence of circadian misalignment effect on cardiometabolic parameters in a rat model of estrogen deficiency	Refentshe Nthlane
10:15	Reliability, usability and identified need for home-based cardiometabolic health self-assessment during the COVID-19 pandemic in Soweto, South Africa	Andrea Kolkenbeck-Ruh
10:30	Tea break	
11:00 - 12:15	<b>Plenary Session 2</b> <b>Chairs:</b> Prof Ruan Kruger & Dr Vernice Peterson	
11:00	Primary hypertension in the young	<b>Empar Lurbe</b> Valencia, Spain
11:30	Research ethics in the use of artificial intelligence	<b>Jacques Ludik</b> Cape Town, SA
11:55	<b>Panel discussion:</b> Precision vs traditional medicine in SA: Are we left behind?	Faculty
12:15	Lunch break	
13:15 - 14:15	<b>Plenary Session 3</b> <b>Chairs:</b> Prof Carina Mels & Dr Meagan Dudley	
13:15	New insights to the role of the kidneys in primary hypertension	<b>Lebo Gafane-Matemane</b> Potchefstroom, SA
13:35	Cardiorenal protective mechanisms for SGLT2 inhibitors	<b>Nash Ranjith</b> Durban, SA
13:55	May Measurement Month in Southern Africa	<b>Angela Woodiwiss</b> Johannesburg, SA
14:15 - 15:30	<b>Moderated abstract session</b> <b>Chairs:</b> Prof Ruan Kruger & Dr Vernice Peterson	
14:15	Aortic haemodynamics in patients with heart failure and the impact of blood pressure control	Marcus Lebelo
14:30	Decreased blood pressure with intravenous administration of quercetin in L-NAME-induced hypertensive female Sprague-Dawley rats	Siluleko Mkhize
14:45	The relationship between the retinal microvasculature and markers of extracellular matrix remodelling among hypertensives and normotensives: The SABPA study	Bianca Watermeyer
15:00	The KINDL-R in a South African context and the association of health-related quality of life with cardiovascular measures in children	Chanelle Volschenk
15:15	Urinary peptidomics and pulse wave velocity: the African-PREDICT study	Dalene de Beer
15:30	Tea break	
16:00 - 17:00	<b>Plenary Session 4</b> <b>Chairs:</b> Prof Angela Woodiwiss & Prof Lebo Gafane-Matemane	
16:00	Gender-related differences in hypertension	<b>Vernice Peterson</b> Johannesburg, SA
16:20	Clinical cases session	<b>Meagan Dudley</b> Cape Town, SA
16:40	Award session	<b>Nash Ranjith</b> Durban, SA
17:00	Meeting closure	<b>Ruan Kruger</b> Potchefstroom, SA



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