

# **BIHS Annual Scientific Meeting 2025**

**29-30 September**

**Churchill College, Cambridge**

**Programme**

# Programme

Monday 29 September 2025

## Main Sessions

9.15am-10.50am

### Session 1: Opening address and Top ranked EMCR abstracts (Mark Glover award)

- Opening Address - *Professor Ian Wilkinson*
- Abstracts
- Visiting Prize Winner' Abstract

\*see page 4 for details

## Parallel Sessions

10.50am-11.25am

### Exhibition, Posters and Refreshments

11.25am-12.45pm

### Session 2: Genetics of Hypertension

- Genetics of Hypertension – Where are we today? - *Professor Patricia Munroe*
- Applications and Utility of Blood Pressure Polygenic Risk Scores - *Dr Helen Warren*
- Genetic imputation of kidney transcriptome and proteome and their contribution to hypertension - *Dr Allen Xu*

11.25am-12.45pm

### Parallel 1: EMCR

- Welcome: Why should you join the BIHS as an ECR? - *Dr Ryan McNally*
- Research Opportunities in Hypertension - *Professor Mark Caulfield*
- Dealing with career adversity: Not every career journey is an easy ride - *Dr Manish Sinha*
- Hear from the BIHS President: Hypertension as a specialty - *Professor Ian Wilkinson*
- Interactive Q&A Session - *Dr Carmel McEnery and Professor Phil Chowienczyk*

12.45pm-1.10pm - **Symposium Session**

1.05pm-1.50pm - **Exhibition, Posters and Lunch**

1.50pm-2.15pm - **Symposium Session**

2.15pm-3.30pm

### Session 3: Open Abstracts

- Abstract Presentations

\*see page 4 for details

2.15pm-3.30pm

### Parallel 2: Resistant Hypertension

BIHS Guidelines - *Dr Luca Faconti*

#### Submitted Case Studies

- Bilateral Calcified Renal Artery Aneurysms with Solitary Functioning Kidney: Time for Surgical Revascularisation? - *Dr Alfredo Petrosino*
- Renovascular resistant hypertension - don't forget the veins! - *Dr Emily Haseler*
- An unusual case of focal Fibromuscular Dysplasia - *Dr Nayanatara Tantirige*

3.15pm-3.30pm

### Poster Presentations

- EMCR Poster Storm
- Stanley Peart Prize winner

\*see page 4 for details

3.30pm-5pm

### Moderated Poster Session Refreshments and Exhibition

This programme is subject to change

'44th Annual Scientific Meeting' has been approved by the Federation of the Royal Colleges of Physicians of the United Kingdom for 14 category 1 (external) CPD credits. (code: 152582) NB: Credits have only been awarded for educational content, credits are not awarded for sponsored symposium sessions

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# Programme

**Tuesday 30 September 2025**

## Main Sessions

9.00am-10.15am

### **Session 4: Top ranked EMCR abstracts (Mark Glover award)**

\*see page 5 for details

10.15am-10.40am

### **Exhibition, Posters and Refreshments**

10.40am-11.55am

### **Session 5: Blood pressure management in Frailty**

- Management of blood pressure in patients with frailty - *Dr Jane Masoli*
- Management of hypertension in patients with symptomatic postural hypotension - *Dr Chris Clark*
- Deprescribing antihypertensive medication in older adults - *Professor James Sheppard*

## Parallel Sessions

10.40am-11.55am

### **Parallel 3: Open Abstracts**

- Open Abstracts
  - Visiting Prize Winner' Abstract
- \*see page 5 for details

11.55 - 12.45pm

### **Sir George Pickering Lecture**

From the Margins to the Mainstream: Global Lessons in Hypertension Equity - *Professor Gbenga Ogedegbe*

12.45pm-1.10pm - **Symposium Session**

1.10pm-1.50pm

### **Exhibition, Posters and Lunch**

1.50pm-2.10pm - **Symposium Session**

2.10pm-3.10pm

### **Session 6: Ethnicity and hypertension: Results from the AIMHY project**

- Introduction to AIMHY - *Professor Phil Chowienczyk*
- AIMHY Mono Trial - *Dr Luca Faconti*
- AIMHY Dual Trial - *Professor Ian Wilkinson*

2.10pm-3.10pm

### **Parallel 4: Open Abstracts**

\*see page 5 for details

3.10pm-3.35pm

### **Exhibition, Posters and Refreshments**

3.35pm-4.50pm

### **Session 7: Latest research in hypertension**

- A year in Hypertension - *Professor Anthony Heagerty*
- New treatments for hypertension coming to market - *Dr Manish Saxena*
- BiOmArkers in Urine, anTihypeRtensive trEAtment and blood pressure Control in Hypertensive patients – The OUTREACH Study - *Dr Pankaj Gupta*

4.50pm-5.05pm

### **Prize Giving and Closing Remarks**

**Chair: Ian Wilkinson**

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# Abstract Presentations

## Monday 29 September

Main Sessions - Wolfson Theatre

9.15am-10.50am

**Session 1: Top ranked EMCR abstracts (Mark Glover award)**

### Title

GWAS for Apparent Treatment Resistant Hypertension in UK Biobank and Polygenic Risk Score Validation in the ASCOT Clinical Trial

Closed-Loop IV Anti-Hypertensive Delivery for Real-Time Blood Pressure Control: A Feasibility Study

Long-term outcomes after reducing antihypertensive medication prescriptions in older patients in UK primary care: a retrospective cohort analysis

Hypertensive patients in the Anglo-Scandinavian Cardiac Outcomes Trail (ASCOT) with greater genetic risk are more likely to be treatment resistant and respond less effectively to treatment

Cardiovascular Determinants of Blood Pressure at age 10 years: a Generation R Study

### **Visiting Prize Winner from Australia**

Antigen-driven activation of marginal zone B cells in hypertension

### Author

**Miss Nicole Benfield**

**Dr James Curneen**

**Mr Rik van der Veen**

**Dr Marianna Danielli**

**Dr Emily Haseler**

**Dr Henricka Figueiredo Galvao**

2.15pm-3.15pm

**Session 3: Open Abstracts**

### Title

Hypertensive phenotypes: impact of age and sex on haemodynamic mechanisms

Cardiac Morphology and Flow Dynamics in Children Born to Hypertensive Pregnancies

Evaluating the Prevalence and Risk Factors for Hypertension in an HIV-positive population in Zimbabwe: The case for integrated screening

Biochemical Detection and Psychosocial Correlates of Antihypertensive Adherence in Hypertension: Initial Observations from a Cross-Sectional Study in Two Irish Tertiary Care Centres

### Author

**Dr Domonkos Cseh**

**Dr Prenali Dwisthi Sattwika**

**Mr Oliver Tan**

**Dr Louise Rabbit**

3.15pm-3.30pm

**Poster Presentations - EMCR Poster Storm and Stanley Peart Prize Winner**

### Title

1. Non-invasive estimates of central blood pressure and other aortic pulse wave analysis indices: Comparison of the CONNEQT Pulse and SphygmoCor CvMS devices
2. Same Diagnosis, Different Consequences: Ethnic Inequities in Hypertensive Organ Damage
3. Efficacy of spironolactone in reducing the risk of cardiovascular events and long-term mortality in those with resistant hypertension: findings from the Anglo-Scandinavian Cardiac Outcomes Trial and the ASCOT Legacy cohort.
4. Early changes in pulse wave morphology in children with chronic kidney disease
5. An audit of assessment and management of acute hypertension presentations in same day emergency care
6. Effects And Safety Of Mineralocorticoid Receptor Antagonists For The Treatment Of Hypertension: A Systematic Review And Meta-Analysis.
7. Perception, knowledge and attitudes of central Brighton residents towards hypertension

### *Stanley Peart Talk*

The Linguistics of Hypertension: Is "Essential" Really Primary, or Just Plain Complex?

### Author

**Miss Alice Barrell**

**Dr Ryan McNally**

**Dr Jai Prashar**

**Ms Louise Keehn**

**Mr Ranvir Singh Kalra**

**Dr Jia Wei Teh**

**Miss Israa Hameed**

**Victoria Dahmen**

# Abstract Presentations

## Tuesday 30 September

### Main Sessions - Wolfson Theatre

9.00am-10.15am

#### Session 1: Top ranked EMCR abstracts (Mark Glover award)

##### Title

The dynamics of primary aldosteronism: Insights from ambulatory biosampling

Blood Pressure Changes in Late-Life are Associated with Declining Cardiovascular Function: Analysis of UK Biobank Cohort

Patients with Familial Hyperkalemic Hypertension (FHHT) Have an Altered Immune Response

Investigating the Relationships between Blood Pressure Polygenic Risk Scores and disease outcomes within the UK Biobank

Resting Heart Rate Trajectories Across Life and Cardiovascular Risk: a Longitudinal British Birth Cohort Study

##### Author

**Dr Thomas Upton**

**Dr Osei Asibey Owusu**

**Dr Muhammad Atif Rauf**

**Kulsuma Uddin**

**Miss Rumaisa Pathan**

10.40pm-11.55pm

#### Parallel Session 4: Open Abstracts

##### Title

The role of hypoxia and HIF signalling in sympathoadrenal development

Myocardial fibrosis is associated with left ventricular early systolic function in a pressure overload induced heart failure rat model

Screening for Primary aldosteronism in hypertension with 24-Hour Urinary aLdosterone: initial results from the PURL study

##### **Visiting Prize Winner from Italy**

Correlation between retinal microcirculation, echocardiographic parameters and myocardial coronary flow reserve

##### Author

**Dr Emma Hodson**

**Dr Haotian Gu**

**Dr Spoorthy Kulkarni**

**Dr Fabio Cherubini**

14.10pm-14.55pm

#### Parallel Session 4: Open Abstracts

##### Title

Prediction of cardiovascular disease events from the photoplethysmograph waveform

A systematic review of blood pressure monitor validation studies

Online Availability of Non-Validated Blood Pressure Monitors in the UK: Implications for Patient Safety and Regulation

##### Author

**Dr Ye Li**

**Dr Christopher Clark**

**Mr Martin Tam**

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