



British and Irish Hypertension Society
Committed to preventing cardiovascular disease

British and Irish Hypertension Society
ANNUAL SCIENTIFIC MEETING

Barbican York

12th – 14th September 2022

FINAL PROGRAMME



Monday 12th September

09.00 - 12.30	Exhibition & Poster Set Up	Foyer
09.30 - 12.00	Young Investigator Network Meeting: "New challenges and opportunities in hypertension"	Auditorium
12.00 - 13.30	Lunch - Exhibition and Poster viewing	Foyer
12.30 - 13.15	Sponsored Lunchtime Symposium by Medtronic	Auditorium
13.30 - 15.00	Session 1 Plenary - Complicated Hypertension	Auditorium
15.00 - 15.30	Refreshments, Exhibition and Posters	Foyer
15.30 - 17.00	Session 2 - Young Investigator Abstracts	Foyer
17.00 - 17.15	Young Investigator Poster Storm: 60 second presentations	Auditorium
17.15 - 18.30	Moderated Poster Session with Drinks	Foyer
19.00	Free evening	

Tuesday 13th September

08.00	Registration and Speaker Preview Open		Foyer
08.15 - 09.15	Annual Business Meeting (BIHS Members Only)		Fishergate
09.30 - 10.45	Session 3A - Young Investigator Abstracts	Session 3B - Clinical session	Auditorium /Fishergate
10.45 - 11.15	Refreshments, Exhibition and Posters		Foyer
10.45 - 11.15	Nurses and AHP Meet and Greet		Lendal Room
11.15-12.15	Session 4A - Basic science	Session 4B - Lifestyle management and hypertension	Auditorium /Fishergate
12.20 - 13.20	Sir George Pickering Lecture Mechanism-driven insights and treatment of hypertension Professor Bryan Williams, UCL, UK		Auditorium
13.20 - 14.45	Lunch, Exhibition and Posters		Foyer
13.45 - 14.30	Sponsored Lunchtime Symposium by OMRON		Auditorium
14.45 - 16.00	Session 5 - Hypertension and stroke Joint session with the British and Irish Association of Stroke Physicians (BIASP)		Auditorium
16.00 - 16.45	Refreshments and Exhibition		Foyer
16.10 - 16.40	Sponsored Coffee Symposium by ReCor		Auditorium
16.45 - 17.50	Session 6 Plenary - Hypertension in Children and Young People		Auditorium
18.00	Registration Closed		Foyer
19.30 - 20.00	Drinks Reception		The Grand
20.00	Conference Dinner and Awards		The Grand

Wednesday 14th September

08.00	Registration and Speaker Preview Open		Foyer
08.30	Exhibition Open and Arrival Tea and Coffee		Foyer
09.00 - 10.15	Session 7 Dysrhythmias and Hypertension and top-rated abstracts		Auditorium
10.15 - 10.45	Refreshments, Exhibition and Posters		Foyer
10.45 - 12.00	Session 8 Plenary		Auditorium
	Closing Remarks		Auditorium

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Welcome from the President

Dear Friends and Colleagues,

Welcome to the historic city of York for the 41st meeting of the British and Irish Hypertension Society. This city was known as Eboracum in Roman times and the Roman Emperor Constantius I died here in AD 306. Later it became a Viking settlement and was renamed Jorvik. The White Rose, York Minster, chocolate factories and the National Railway Museum are all parts of the fabric of this popular tourist destination. The river Ouse flows under the most extensive medieval city walls in Britain. It is also home to one half of the Hull York Medical School.

This is our second face-to-face conference since the Covid-19 pandemic and we hope to follow on from the success of the Brighton meeting. Unlike last year we are pleased to be able to welcome back prize winners from Australia, Italy and the USA. Their talks will be dispersed throughout the programme. We are delighted that this year's Pickering Lecture will be delivered by Professor Bryan Williams. We especially welcome the British and Irish Association of Stroke Physicians as our guest organisation with their symposium on Tuesday.

The programme begins with the Young Investigators on Monday morning, followed by Complicated Hypertension in the afternoon and then our young investigator and poster sessions. On Tuesday we have balanced a fantastic selection of talks from bench and bedside. This includes our abstracts presentations and a session on Hypertension in Children and Adolescents. We finish on Wednesday with dysrhythmias and the complexities of implementation of hypertension treatments.

We must thank our sponsors and exhibitors who help make this meeting possible and add to the scientific debate and discussion. We are very grateful for your support.

We sincerely hope that this event will be an enjoyable and interactive event that will further advance the science and clinical advancement of preventative care in the cardiovascular domain.



Professor Terry McCormack
President, British & Irish Hypertension Society



Dr James Sheppard
Secretary

On behalf of the British and Irish Hypertension Society Executive Committee



BIHS Executive Committee

Professor Terry McCormack	BIHS President
Professor Ian Wilkinson	Vice-President
Dr James Sheppard	Secretary
Professor Christian Delles	Treasurer
Dr Philip Lewis	Ordinary Member
Dr Abdul-Majeed Salmasi	Ordinary Member
Dr Pauline Swift	Ordinary Member
Dr Stephen Walsh	Ordinary Member
Dr Luca Faconti	Young Investigator Representative

Working Party Chairs

Professor Ian Wilkinson	Guidelines & Information Service
Professor Richard McManus	Blood Pressure Measurement
Professor Christian Delles	Collaborative Research
Professor Mike Okorie	Educational Programmes
Mr Sam Olden	Nurses & Allied Health Professionals
Professor Adrian Brady	Irish Network
Dr Luca Faconti	Young Investigators

Administration

Secretariat:



*** Association Management Company and Professional Conference Organisers
Established 1999

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Q Court, 3 Quality Street, Edinburgh, EH4 5BP
Tel: +44(0) 131 336 4203
Email: BIHS@in-conference.org.uk
Website: www.bihsoc.org





General Information

Conference Venue:

York Barbican
 Paragon Street
 YO10 4NT
 United Kingdom

CPD ACCREDITATION – RCP

At the time of print for this programme, the BIHS Annual Scientific Meeting applied for accreditation by the Royal College of Physicians for 18 CPD (Continuing Professional Development) Points. CPD Accreditation Code Number: CPD141538. If approved, a digital certificate of attendance will be provided after the conference.

Registration/Information Desks

All delegates will receive their badge, ordered tickets and all relevant conference information upon arrival at Barbican. The registration desk will be located in the Foyer area and will be open at the following times:

Monday 12 th September	09.00 – 17.30
Tuesday 13 th September	08.00 – 17.30
Wednesday 14 th September	08.00 – 12.00

Catering and Dietary Requirements

All lunches and tea/coffee breaks throughout the meeting will be served in the exhibition and poster area. If you have booked a special dietary requirement at the time of pre-registration please make yourself known to the catering staff within the venue.

Certificates of Attendance

Certificates of Attendance and Accreditation will be sent out after the conference on completion of the electronic survey which will be sent to all attendees on the last day of the conference.

Etiquette

Delegates are advised that they are not allowed to take photographs of any posters or presentations without the author's/presenter's consent. Photographs or videos are not permitted during presentations, in the main session rooms. Mobile phones should be placed on 'silent' during sessions.

Exhibition

We wish to thank all of our sponsors and exhibitors for their contribution to the BIHS Annual Scientific

Meeting. We encourage all delegates to meet with our exhibitors in the foyers. The exhibition will be open at the following times:

Monday 12th September

12.00 hrs – 13.30 hrs and 15.00hrs – 15.30hrs

Tuesday 13th September

10.45 hrs – 11.15 hrs, 13.20hrs – 14.45 hrs
 and 16.00 hrs - 16.45 hrs

Wednesday 14th September

08.30 hrs – 09.00hrs and 10.15hrs – 10.45 hrs

Insurance

The Conference Organisers cannot accept any liability for personal injuries or for loss or damage to property belonging to delegates, either during, or because of the meeting. Please check the validity of your own personal insurance before travelling.

Nurses and Allied Health Professional Delegates

The BIHS Nurses & AHP Working Party invites nurses and AHP delegates to attend a 'Meet & Greet' session during the morning tea break on Tuesday 14th September at 10.45 in the Lendal Rooms where refreshments will be served.

The purpose of this session is to facilitate networking and to enable nurses/AHPs attending on their own to meet others. Please come along and introduce yourself - we look forward to seeing you there.

Oral Presentations

Plenary sessions will take place in the Main Auditorium. Parallel sessions will take place in the Fishergate Room.

Poster Presentations

Posters will be displayed for the whole meeting on the first floor. Presenters will be available for discussion during the Moderated Poster Session on Monday 12th September from 17.30 - 19.00.

We will also host our exciting Young Investigator Poster Storm on Monday 13th September from 17.00 - 17.15. The top ranking 10 abstracts submitted

by young investigators who were allocated poster presentations have been selected to participate. Each person has 60 seconds to promote their poster orally with one slide!

Social Media

We encourage all participants to tweet and highlight presentations throughout the meeting to raise our profile and to engage. Please sign up to twitter and participate. Remember to use #BIHS2022.

Speaker Check In

Presenters must check in their presentation at least two hours before they are due to speak, this can be done at the back of the room, preferably during a refreshment break.

Taxis

Local taxi companies:
 Streamline - 01904 656565
 Fleetways - 01904 365 365
 Uber also operates in the area.

Social Night and Networking Event – BIHS Young Investigators

All delegates are invited to join the Young Investigator Social Night. This event will provide the chance for all participants, from early-career researchers, new members and anyone else who is interested, to meet and mingle in a relaxed and friendly environment.

No registration required!

When: Monday, September 12th, 2022.

Time: 8 pm

Where: Slug and Lettuce York Riverside

<https://www.slugandlettuce.co.uk/yorkriverside>

Dress code: Smart casual

WiFi Access

WiFi is available throughout the Barbican.

The instructions are below.

- Select Barbican Free Wifi Network
- Complete the sign in page



Prizes

Orals

BIHS Young Investigators Three Oral Prizes Abstracts shortlisted for these prizes will be presented in Session 2 and 3A.

Dr Robert Grayson Award

This prize, generously funded by the family and friends of the late Dr Robert Grayson, will be awarded for the best research relating to 'Diseases of the Aorta or Blood Vessels'.

Posters

BIHS Poster Prize - kindly sponsored by the Journal of Human Hypertension

Journal of Human Hypertension

All posters are eligible for the Poster Prize and will be assessed by the Poster Chairs during the moderated poster session at the meeting. If the

Poster Prize is won by a non-member, the Journal of Human Hypertension kindly offers the winner free online access for one year.

The Journal of Human Hypertension is the official journal of the British and Irish Hypertension Society.

ORAL OR POSTER

The BIHS Nurses/AHP Award

The BIHS Nurses Prize is for a nurse/AHP who is an author and/or part of the investigating team. The presentation will be either an oral or poster presentation if there are no eligible abstracts in the oral session.

POSTER

Oxford University Press Medical Student Award

This prize will be awarded to the best research by a current medical student, courtesy of Oxford Handbook of Clinical Medicine.

All prizes will be awarded at the conference dinner on Tuesday 13th September.

Programme

Monday 12th September

	Foyer
09.00 - 12.30	Exhibition & Poster Set Up
09.00	Registration & Speaker Preview Open
	Auditorium
	<p>Young Investigator Network Meeting: “New challenges and opportunities in hypertension”</p> <p>Chairs: Professor Terry McCormack and Dr Luca Faconti</p> <p>Introduction <i>Professor Terry McCormack, President of the British and Irish Hypertension Society</i></p> <p>Why should you become a member of the BIHS as a YI? <i>Dr Luca Faconti, Chair of the Young Investigators Working Party</i></p> <p>Quiz <i>Dr Sinead McDonagh, University of Exeter, UK</i></p> <p>The importance of a multidisciplinary approach in hypertension <i>Dr Sally Brett, St. Thomas' Hospital, UK</i></p> <p>09.30 – 12.00</p> <p>Expanding our Hypertension Research with Big Data and Large-Scale Collaborations <i>Dr James Sheppard, University of Oxford, UK and Dr Helen Warren, Queen Mary University of London, UK</i></p> <p>Working in partnership with patients in hypertension <i>Dr David Collier, Queen Mary University of London, UK</i></p> <p>Parallel discussions:</p> <p>1. Hybrid world: friend or foe for YIs? <i>Dr Oliver Todd, University of Leeds, UK vs Dr Hafiz Naderi, Queen Mary University of London, UK</i></p> <p>2. Where do we see the future of the BIHS? <i>Dr Carmel McEniery, University of Cambridge, UK vs Dr Carmen Maniero, Barts NHS Trust, UK</i></p> <p>Feedback session and audience discussion</p>
	Foyer
12.00 - 13.30	Lunch – Exhibition and Poster viewing

	Auditorium
12.30 - 13.15	Sponsored Lunchtime Symposium by Medtronic
13.30 - 15.00	<p style="text-align: center;">Session 1 Plenary - Complicated Hypertension Chairs: Dr Philip Lewis and Dr Tehreem Butt</p> <p>C - 1 An extra "bun" in the oven: Pheochromocytoma in Pregnancy Dr Bernadette Jenner, Addenbrookes Hospital, UK</p> <p>C - 2 Heart failure and resistant hypertension: an unusual case of catecholamine-induced cardiomyopathy? Dr Luca Faconti, Kings' College London, UK</p> <p>C - 3 To stent or not to stent Dr Spoorthy Kulkarni, Cambridge University NHS Foundation Trust, UK</p> <p>Rare causes of Hypertension Dr Stephen Walsh, UCL, UK</p>
15.00 - 15.30	Foyer
	Refreshments, Exhibition and Posters
15.30 - 17.00	Auditorium
	<p style="text-align: center;">Session 2 - Young Investigator Abstracts Chairs: Dr James Sheppard and Dr Sarah Partridge</p> <p>O - 1 The MTHFR C677T polymorphism is associated with an increased risk of hypertension: Results of the Generation Scotland: Scottish Family Health Study Caitlin Dollin, Ulster University, UK</p> <p>O - 2 Integrating clinical, genomic, metabolomic and dietary data through machine learning to improve our understanding of their influences on blood pressure regulation Panayiotis Louca, King's College London, UK</p> <p>O - 3 Early ventricular systolic function is reduced in children with chronic kidney disease and associated with worsening left ventricular mass and diastolic dysfunction Haotian Gu, King's College London, UK</p> <p>O - 4 Investigating the potential role of R-Ras in blood pressure control Kaya Olczak, Queen Mary University London, UK</p> <p>O - 9 Factors affecting hypertension outcomes in patients with primary aldosteronism undergoing unilateral adrenalectomy Spoorthy Kulkarni, Cambridge University NHS Foundation Trust, UK</p> <p>Visiting Prize Winner' Abstract (Australia) - Postpartum renal injury in a mouse model of late-onset preeclampsia Sarah Walton, Monash University, Australia</p>
17.00 - 17.15	Auditorium
	<p style="text-align: center;">Young Investigator Poster Storm: 60 second presentations Chairs: Dr James Sheppard and Dr Sarah Partridge</p>
17.15 - 18.30	Foyer
	Moderated Poster Session with Drinks
19.00	Free evening

Tuesday 13th September

	Foyer	
08.00	Registration and Speaker Preview Open	
	Fishergate	
08.30 - 09.30	Annual Business Meeting (BIHS Members Only)	
09.30 - 10.45	Auditorium	Fishergate
	<p style="text-align: center;">Session 3A - Young Investigator Abstracts Chairs: Dr Sinead McDonagh and Professor Christian Delles</p> <p>O - 6 Primary hypertension, anti-hypertensive medications and the risk of severe COVID-19 in UK Biobank Holly Pavey, University of Cambridge, UK</p> <p>O - 7 Blood pressure self-monitoring in pregnant women from ethnic minorities and deprived areas: A secondary analysis of the BUMP 1 trial Blessing Eloghosa Omorodion, University of Oxford, UK</p> <p>O - 8 Classifying Hypertension Mediated Left Ventricular Hypertrophy Patterns from the Electrocardiogram using Machine Learning Hafiz Naderi, William Harvey Research Institute, UK</p> <p>O - 5 Elucidating the genetic architecture of extreme early onset hypertension using whole genome sequencing data Megha Manoj, UCL Department of Renal Medicine, UK</p> <p>O - 10 Machine learning based disease progression model for young adults with hypertension Maryam Alsharqi, University of Oxford, UK</p>	<p style="text-align: center;">Session 3B - Clinical session Chairs: Dr Louise Abrams and Mr Sam Olden</p> <p>Cardiovascular complications in post COVID-19 patients - is blood pressure important? Dr Vikas Kapil, Barts Health NHS Trust, UK</p> <p>Antihypertensive medication adherence in primary care Dr Pankaj Gupta, University Hospitals of Leicester, UK</p> <p>SGLT2 inhibitors for management of hypertension: when, who and how? Professor David Wheeler, King's College London, UK</p>
10.45 - 11.15	Auditorium	
	Refreshments, Exhibition and Posters	

	Lendal Rooms	
10.45 – 11.15	Nurses and AHP Meet and Greet	
	Auditorium	Fishergate
	<p>Session 4A - Basic science <i>Chairs: Dr Stephen Walsh and Dr Carmel McEniery</i></p> <p>Redox sensing and signalling and the impact on blood pressure <i>Professor Philip Eaton, Queen Mary University of London, UK</i></p> <p>O – 11 Short-term low iodine diet alters vascular reactivity independent of thyroid hormone levels in stroke-prone spontaneously hypertensive rats. <i>Phillip Moseki, University of Glasgow, UK</i></p> <p>O – 12 Investigating the Effects of CRISPR/Cas9 Gene Editing on Cardiac Structure and Function in a Rat Model of Cardiovascular Disease <i>Cara Trivett, University of Glasgow, UK</i></p> <p>O – 13 Autonomic regulation of large artery stiffness: a pilot study in hypertension <i>Bushra Farukh, King's College London, UK</i></p>	<p>Session 4B - Lifestyle management and hypertension <i>Chairs: Ms Farah Ghafoor and Dr Chris Clark</i></p> <p>Lifestyle and Blood Pressure Management: What should we know? <i>Sam Olden, Chair of BIHS Nurses and AHP Working Party</i></p> <p>O – 14 One-year of isometric exercise training for blood pressure management: a prospective randomized controlled study <i>Jamie O'Driscoll, Canterbury Christ Church University, UK</i></p> <p>Non-invasive autonomic neuromodulation in controlling blood pressures: The SCRATCH-HTN study <i>Ajay Gupta, Barts Cardiovascular Clinical Trials Unit, UK</i></p> <p>O – 16 Adherence to antihypertensive drugs: measuring self-reported and objective levels of adherence and reasons for non-adherence in UK patients with hypertension <i>Gaby Judah, Imperial College London, UK</i></p>
11.15-12.15		
	Auditorium	
12.20 – 13.20	<p>Sir George Pickering Lecture <i>Chair: Professor Terry McCormack, President of the British and Irish Hypertension Society</i></p> <p>Mechanism-driven insights and treatment of hypertension <i>Professor Bryan Williams, UCL, UK</i></p>	
	Foyer	
13.20 - 14.45	Lunch, Exhibition and Posters	

	Auditorium
13.45 – 14.30	Sponsored Lunchtime Symposium by OMRON
	Auditorium
	<p>Session 5 - Hypertension and stroke Joint session with the British and Irish Association of Stroke Physicians (BIASP) <i>Chairs: Professor Philip Bath and Dr Pauline Swift</i></p> <p>Targeting links between systemic and cerebrovascular hypertensive physiology <i>Professor Alastair Webb, University of Oxford, UK</i></p> <p>BP in cerebral small vessel disease and vascular dementia <i>Professor Joanna Wardlaw, University of Edinburgh, UK</i></p> <p>BP, frailty and stroke <i>Dr Mary MacLeod, University of Aberdeen, UK</i></p>
14.45 - 16.00	
	Foyer
16.00 - 16.45	Refreshments and Exhibition
	Auditorium
16.10 – 16.40	Sponsored Coffee Symposium by ReCor
	Auditorium
	<p>Session 6 Plenary - Hypertension in Children and Young People <i>Chairs: Professor Ian Wilkinson and Dr Helen Warren</i></p> <p>Haemodynamics of Hypertension in the Young <i>Dr Carmel McEniery, University of Cambridge, UK</i></p> <p>Managing hypertension in children and young people <i>Dr Manish Sinha, King's College London, UK</i></p>
16.45 - 17.50	
18.00	Registration Closed
19.30 - 20.00	Drinks Reception
20.00	Conference Dinner and Awards

Wednesday 14th September

	Foyer
08.00	Registration and Speaker Preview Open
08.30	Exhibition Open and Arrival Tea and Coffee
	Auditorium
	<p>Session 7 Dysrhythmias and Hypertension and top-rated abstracts Chairs: Dr Ajay Gupta and Dr Carmela Maniero</p>
09.00 - 10.15	<p>Hypertension and atrial fibrillation: interactions and management considerations <i>Dr Eduard Shantsila, University of Liverpool, UK</i></p> <p>O - 17 Genome-wide analysis in over 1 million individuals reveals over 2,000 independent genetic signals for blood pressure <i>Helen Warren, William Harvey Research Institute, UK</i></p> <p>O - 18 The Hypertension Optimal Treatment in Children with Chronic Kidney Disease (HOT-KID study): a randomised trial to compare intensive versus standard blood pressure targets on target organ damage in childhood CKD <i>Manish Sinha, Evelina London Children's Hospital, UK</i></p> <p>O - 19 Personalized Electronic Record Supported Optimisation When Alone For Patients With Hypertension- Pilot Study For Remote Medical Management Of Hypertension During The Covid-19 Pandemic (PERSONAL COVIDBP) <i>David Collier, William Harvey Research Institute, UK</i></p>
	Foyer
10.15 - 10.45	Refreshments, Exhibition and Posters
	Auditorium
10.45 - 12.00	<p style="text-align: center;">Session 8 Plenary Chairs: Professor Isla Mackenzie and Dr Abdul-Majeed Salmasi</p> <p>Visiting Prize Winner' Abstract (Italy) - Impact of the increase of left ventricular mass on the risk of all-cause and cardiovascular mortality: a prospective cohort study <i>Jennifer Vanoli, University of Milano - Bicocca, Italy</i></p> <p>Organisation of Hypertension Services</p> <p>Tackling Hypertension in England <i>Helen Williams</i> <i>Mr Michael Jackson, UKHUFT, UK</i></p> <p>Home Blood Pressure Measurement: challenges and champions in Stroke and Primary Care <i>Dr Philip Lewis, Stepping Hill Hospital, UK</i></p> <p>Panel Discussion</p>
12.00	Closing Remarks

Posters

* Presented during Young Investigator Poster Storm

Basic Science

P - 1 The Renin-Angiotensin-Aldosterone System in the Pregnant Rat
Crystal West, Appalachian State University, Kannapolis, United States

P - 2, P - 3 and P - 4 withdrawn

Big data and epidemiology

P - 5 Prevalence of Target Organ Damage in Patients with Masked Hypertension
Karan Punjabi, Homerton University Hospital, London, United Kingdom

P - 6 Withdrawn

P - 7 Hypertension surveillance system evaluation among RTSL sites in Merawi City Administration, Amhara, Ethiopia July 2021
Mekonnen Yimer, Bahir Dar University, Bahir Dar, Ethiopia

P - 8* Antihypertensive medication reduction detection in Electronic Health Record data: an algorithmic method development
Rik Van Der Veen, University of Oxford, United Kingdom

P - 9* Predicting individual risk of muscle disorders in patients eligible for statin treatment: derivation and validation of STRATIFY-StatinMD prediction model
Ting Cai, University of Oxford, United Kingdom

Blood pressure measurement

P - 10 Levels of undiagnosed and uncontrolled hypertension in Wales: results from May Measurement Month 2017, 2018 and 2019 blood pressure screening campaign.
Abbie Williams, Cardiff Metropolitan University, United Kingdom

P - 11 Withdrawn

P - 12 Difference and Correlation of Daytime and Nighttime Short Term Blood Pressure Variability using 24-hour Ambulatory Blood Pressure Monitoring
Amy Lam, The Chinese University of Hong Kong, Hong Kong

P - 13 Comparison of Blood Pressure Monitoring from Elderly Community Centres and at Home under COVID-19 pandemic
Amy Lam, The Chinese University of Hong Kong, Hong Kong

P - 14 Withdrawn

P - 15 A Survey of the User Acceptability of the Omron HEM-9601T NightView Monitor
Bankole Adeyalo, Scarborough GP Training Scheme, Health Education England-Yorkshire and The Humber, United Kingdom

Case study

P - 16 New options for treating people with hypertension and intolerance to statins; a primary and a secondary prevention case history
Bankole Adeyalo, Scarborough GP Training Scheme, Health Education England-Yorkshire and The Humber, United Kingdom

P - 17 Withdrawn

P - 18 Severe blood pressure variability due to autonomic dysfunction: lessons for the circulatory specialist
Elizabeth Adeyeye, Barts Health NHS Trust, London, United Kingdom

P - 19 Not just a "Hypertensive Bleed": Immunologic Cerebral Vasculitis Secondary to Tuberculosis causing Ischaemic and Haemorrhagic Stroke
Karla Totton, NHS Grampian, Aberdeen, United Kingdom

P - 20 Withdrawn

Lifestyle interventions for hypertension

- P – 21*** Variability in salt sensitivity after oral salt loading in a healthy volunteer cohort
Spoorthy Kulkarni, Cambridge University NHS Foundation Trust, United Kingdom
- P – 22** A feasibility study examining the prescription of isometric exercise training for blood pressure management using rating of perceived exertion.
Jonathan Wiles, Canterbury Christ Church University, Canterbury, United Kingdom
- P – 23** Is adherence with current UK and US blood pressure targets associated with receipt of recommended first-line pharmacological therapy and lifestyle factors?
Karen Samuels-Evans, Chesterfield Primary Care Network, United Kingdom
- P – 24** Perceptions of healthcare professionals on the feasibility and implementation of a novel isometric exercise intervention for Stage 1 hypertension management.
Melanie Rees-Roberts, University of Kent, Canterbury, United Kingdom

Hypertension in children and young people

- P – 25** Retrospective analysis on diagnostic imaging and secondary causes of hypertension for young adults referred to a tertiary hypertension clinic
Catherine Graham, University of Cambridge, United Kingdom
- P – 26** Metabolically healthy obesity in a young population assisted by the Family Health Strategy in Brazil. LapARC study
Giovanna Francesca Ferreira, Maselli Idomed - Universidade Estácio De Sá, Medicine Course, Campus Vista Carioca, Rio De Janeiro, Brasil
- P – 27*** Reliability of blood pressure measured by parents in young children at Home using hand-held Doppler device and aneroid sphygmomanometer for systolic Blood Pressure Measurement (HDBPM)
Joanna Newton, Evelina London Children's Hospital, London, United Kingdom

- P – 28** Measurement of systolic BP using a hand-held Doppler device and aneroid sphygmomanometer in children: comparison with office-based auscultatory SBP measurement
Joanna Newton, Evelina London Children's Hospital, London, United Kingdom
- P – 29** Identifying adolescents with Turner Syndrome at risk of poor cardiovascular outcomes: a pilot study
Lily Jones, Alder Hey Children's Hospital, Liverpool, United Kingdom

P – 30 Withdrawn

Physiological determinants of hypertension

- P – 31*** Left ventricular longitudinal myocardial systolic dysfunction in patients with resistant hypertension
Azhar Akhmimi, University of Liverpool, United Kingdom
- P – 32** Withdrawn
- P – 33*** Ethnic disparities in left ventricular diastolic function in hypertension: a dual ethnic cohort study
Luca Faconti, King's College London, United Kingdom
- P – 34** The Sympathetic Control of Resting Blood Pressure in Premenopausal and Postmenopausal Women with Primary Hypertension.
Zoe Adams, University of Bristol, United Kingdom

Risk factors for hypertension and cardiovascular disease

- P – 35** Hypertension is the strongest predictor of coronary artery disease detected on CT coronary angiography
Eleni Tserioti, Imperial College School of Medicine, London, United Kingdom
- P – 36** The relation of hypertensive response to exercise in subjects with high normal blood pressure linking with the development of hypertension.
Theodoros Kalos, 1st University Clinic Hippokratio General Hospital, Athens, Greece

P – 37 and P – 38 Withdrawn

Systematic Review

- P – 39*** Orthostatic hypertension and the risk of major adverse events: A systematic review and meta-analysis
Lorenzo De Paola and Zhara Pasdar, University of Aberdeen, United Kingdom
- P – 40** Nailfold video-capillaroscopy in the study of cardiovascular disease: a systematic review
Matthew Wei Shen Lim, University of Glasgow, United Kingdom
- P – 41** Aetiology of Resistant Hypertension: A Systematic Review
Pankaj Gupta, University Hospitals of Leicester, United Kingdom

Trials and cohort studies

- P – 42*** Systolic blood pressure and renal function impact on clinical outcomes in patients with atrial fibrillation: Results from the AF-GEN-UK registry
Alena Shantsila, University of Liverpool, United Kingdom
- P – 43** Cost-Effectiveness of Radiofrequency Renal Denervation in a UK Setting based on Data from the SPYRAL HTN-ON MED Study
Andrew Sharp, University Hospital of Wales, Cardiff, United Kingdom

- P – 44** Effect of blood pressure on exercise tolerance in atrial fibrillation: insight from the IMPRESS-AF trial
Eduard Shantsila, University of Liverpool, United Kingdom
- P – 45** Blood pressure reduction after catheter-based radiofrequency renal denervation in the Global SYMPPLICITY Registry
Faisal Sharif, University Hospital Galway and National University of Ireland Galway, Ireland
- P – 46** Visualisation to Support Treatment Adherence in High Blood Pressure (ViSTA-BP): a feasibility study for a community pharmacy-based intervention.
Sarah Brown, Cardiff Metropolitan University, United Kingdom
- P – 47*** Systolic blood pressure variability is a major risk factor for renal outcomes in hypertensive patients: Evidence from the 20-year follow-up of the Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT)
Somayeh Rostamian, Imperial College London, United Kingdom
- P – 48** A novel blood test measuring the erythrocyte sensitivity to sodium may help to identify individuals with essential hypertension and a low renin pro-inflammatory state
Ryan McNally, St Thomas' Hospital, London, UK

Sponsors

We are grateful for the following sponsors for their support and are delighted to welcome you to the following sponsored symposia:

These symposia are sponsored. The views expressed during these sessions are those of the presenter(s) and not necessarily those of the BIHS.

Lunch Time Symposia by Medtronic

Monday 12th September 12.30 – 13.15, Auditorium
Advancing Hypertension Treatment: Beyond Lifestyle Modifications and Medications

Professor Andrew Sharp, University Hospital of Wales, Cardiff, UK

Professor Faisal Sharif, Galway University Hospital, Galway, Ireland

Chair: Dr Abdul - Majeed Salmasi, London North West Healthcare NHS Trust

Medtronic

Making healthcare better is our priority, and we believe medical technology can play an even greater role in improving people's lives. With challenges facing families and healthcare systems — such as rising costs, aging populations, and the burden of chronic disease — we are using the power of technology to take healthcare Further, Together.

Innovation and collaboration are central to who we are. Since the late 1940s, we have been working with others to alleviate pain, restore health, and extend life. Today, we are a medical technology leader, employing more than 84,000 people worldwide, and offering therapies and solutions that enable greater efficiency, access, and value — for healthcare systems, providers, and the people they serve. Learn more at [Medtronic.com](https://www.medtronic.com)

Lunch Time Symposia by OMRON

Tuesday 13th September 13.45 – 14.30, Auditorium
Nocturnal blood pressure: risks, detection and possible benefits

Professor Francesco Cappuccio, University of Warwick

Professor Thomas MacDonald, University of Dundee

Chair: Professor Terry McCormack



Raised blood pressure (BP) is the number one cause of preventable death worldwide¹. Even with controlled daytime blood pressure, patients could still be at risk. Around 1 in 4 patients with normal daytime BP may have high BP at night, known as nocturnal hypertension². In a recent study, nocturnal hypertension was found in 30% of the participants³. Night-time BP readings are considered stronger predictors of cardiovascular (CV) events, and even death, than daytime values. Accurate tracking of both daytime and night-time BP provides patients and clinicians a better picture of CV health and helps reduce the risk of CV events⁴.

1. Mills KT, Stefanescu A, He J. The global epidemiology of hypertension. *Nat Rev Nephrol.* 2020 Apr;16(4):223-237.
2. Kario K, Hoshida S, Haimoto H, et al. Sleep blood pressure self-measured at home as a novel determinant of organ damage: Japan morning surge home blood pressure (J-HOP) study. *J Clin Hypertens (Greenwich).* 2015;17(5):340-348.
3. Tadic M, Cuspidi C, Grassi G, Mancia G. Isolated Nocturnal Hypertension: What Do We Know and What Can We Do? *Integr Blood Press Control.* 2020 Apr 21;13:63-69.
4. Cappuccio FP. The Role of Nocturnal Blood Pressure and Sleep Quality in Hypertension Management. *Eur Cardiol.* 2020 Aug 24;15:e60.

Coffee Symposium by ReCor

Tuesday 13th September, 16.10 – 16.40, Auditorium
Ultrasound RDN therapy: a novel treatment option in hypertension

A procedural approach to hypertension control

Dr Neil Chapman, Imperial College Healthcare Trust

Dr Chris Clark, University of Exeter

Professor Andrew Sharp, University Hospital of Wales, Cardiff

Chair: Dr Philip Lewis, Stockport NHS Foundation Trust



ReCor Medical, headquartered in Palo Alto, CA, a wholly owned subsidiary of Otsuka Medical Devices Co., Ltd., is a medical technology company focused on transforming the management of hypertension. ReCor has pioneered the use of ultrasound technology to treat hypertension with the Paradise™ Ultrasound Renal Denervation (uRDN) System. ReCor has reported positive outcomes in three randomized, sham-controlled studies of the Paradise System in patients with mild-to-moderate and resistant hypertension. The Paradise System is an investigational device in the United States and bears the CE mark in the EU.

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Kinetik Wellbeing is one of the largest suppliers of home-use medical devices in the UK. Passionate about empowering people to monitor and manage their health from home. The company has partnered with some of the biggest health providers, online retailers, and pharmacies such as the NHS, St John Ambulance, Boots, Well Pharmacy, Superdrug and Nuffield Health.

Bronze Sponsors



Afferent Medical Solutions Ltd, a Bioelectronic Medicines company, is developing novel methods of autonomic neuromodulation to treat a range of acute and chronic conditions. Its first product, AffeX, uses a unique non-invasive neuromodulation algorithm to treat uncontrolled hypertension, is being evaluated in SCRATCH-HTN, a Ph2 efficacy & safety trial.



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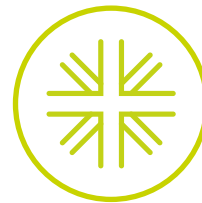
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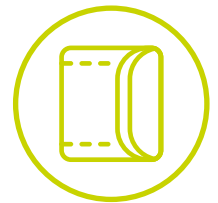
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Dr David C. Gaze

Hon. Consultant Biochemist, Senior Lecturer in Clinical Pathology,
& Co-editor in Chief, Practical Laboratory Medicine