

LONDON AORTA

A multi-disciplinary meeting for curious minds

**THURSDAY 16TH AND FRIDAY 17TH
SEPTEMBER 2021**

**ROYAL COLLEGE OF PHYSICIANS,
LONDON**

THURSDAY 16th SEPTEMBER 2021

08.00: REGISTRATION

08.50: WELCOME AND INTRODUCTION

Baroness Sally Morgan of Huyton
Chair, Royal Brompton & Harefield Hospitals Clinical Group; Deputy Chair, Guy's & St. Thomas' NHS Foundation Trust; Master Fitzwilliam College, Cambridge

9.00-10.30am

SESSION 1: DIFFICULT DECISIONS IN AORTIC DISSECTION

Chairs:

Martin Czerny, *University of Freiburg, Germany*

Christoph Nienaber, *Royal Brompton & Harefield Hospitals, London*

9.00: Contemporary issues in the treatment of complex Type B

Germano Melissano, *Chair of Vascular Surgery, "Vita-Salute" San Raffaele University School of Medicine, Milan, Italy*

9.10: Pathophysiology of aortic dissection - what determines mortality?

Christian Etz, *Cardiac Surgeon and Associate Professor of Cardiac Surgery, Department of Cardiac Surgery, Heart Centre Leipzig, Germany*

9.20: Malperfusion in Type A dissection - alternative strategies?

Aung Oo, *Professor of Cardiovascular Surgery and Clinical Lead for Aortovascular Surgery, Barts Heart Centre, London*

9.30: Retrograde Type A - risks and ways to avoid it?

Nick Cheshire, *Professor of Vascular Surgery, Aortic Centre, Royal Brompton and Harefield Hospitals, London*

9.40: Dissection and IMH arising in the arch - a separate entity?

Tommaso Donati, *Consultant Vascular Surgeon, Guy's and St Thomas' Hospital, London*

9.50: Malperfusion in Type B - a stepwise approach?

Colin Bicknell, *Consultant Vascular Surgeon, Imperial College London*

10.00: Should I always use a FET in arch dissection?

Kamran Baig, *Consultant Cardiac Surgeon, Guy's & St Thomas' Hospital, London*

10.10: PANEL DISCUSSION

10.40-11.10am

KEYNOTE LECTURE:

The revolution in the management of Type A dissection

Joseph Bavaria, *Professor of Surgery and Vice-Chief, Division of Cardiovascular Surgery, Hospital of the University of Pennsylvania, USA*

11.10: COFFEE

11.40-1.10PM

SESSION 2: CARDIOVASCULAR MANAGEMENT AT THE CROSSROADS - WHAT DOES THE FUTURE HOLD?

Chairs:

Nick Cheshire, *Royal Brompton and Harefield Hospitals, London*

Colin Bicknell, *Consultant Vascular Surgeon, Imperial College London*

11.40: Personal reflections on the NICE AAA guidelines from the Chair

Andrew Bradbury, *Professor of Vascular Surgery, University of Birmingham*

11.50: The impact of Covid-19 on surgical training and the road to recovery

Celia Riga, *Consultant Vascular Surgeon, Imperial College London and Head of School of Surgery*

12.00: Informed consent in asymptomatic patients

Colm McGrath, *Lecturer in Tort Law, King's College London*

12.10: How can AI help us to analyse patient outcomes in a post-RCT era?

Alan Karthikesalingam, *UK Research Lead, Google Health*

12.20: Does the National Vascular Registry reflect complex surgery?

Ian Loftus, *Consultant Vascular Surgeon, St George's University Hospital, London*

12.30: Cardiovascular surgery: Quo vadis?

Manoj Kuduvalli, *Consultant Cardiac and Aortic Surgeon, Liverpool Heart and Chest Hospital*

12.40: PANEL DISCUSSION

1.10: LUNCH

2.15 - 3.30PM

SESSION 3: SURGICAL FORUM - UNRESOLVED OR CURRENT ISSUES

Chairs:

Joseph Bavaria, *Hospital of the University of Pennsylvania, USA*

Germano Melissano, *San Raffaele University School of Medicine, Milan, Italy*

2.15: Can we predict spinal cord injury after endovascular TA repair?

James Kelly, *Vascular Surgeon, King's College London*

2.22: An endovascular solution for Type A?

Martin Czerny, *Consultant Cardiovascular Surgeon, University of Freiburg, Germany*

2.29: Options for reconstructing the aortic valve

Cesare Quarto, *Consultant Cardiac Surgeon, Royal Brompton & Harefield Hospitals, London*

2.36: The aortic valve and the root are one organ

Fabio De Robertis, *Consultant Cardiac Surgeon, Royal Brompton & Harefield Hospitals, London*

2.43: Rapid deployment valves: What is their role?

George Asimakopoulos, *Consultant Cardiac Surgeon, Royal Brompton & Harefield Hospitals, London*

2.50: Acute aortic syndromes in London

Mike Jenkins, *Consultant Vascular Surgeon, Imperial College London*

2.57: Necrotising aortitis

Michael Sabetai, *Consultant Cardiac Surgeon, Guy's & St Thomas' Hospital, London*

3.04: Bicuspid aortic valve: When to replace the aorta

Katie Francis, *Honorary Clinical Research Fellow, Faculty of Medicine, National Heart & Lung Institute, Imperial College London*

3.11: Are fluoroquinolones risky and to be avoided in the dilated aorta?

Christoph Nienaber, *Consultant Cardiologist, Royal Brompton & Harefield Hospitals, London*

3.30: TEA

4.00 - 5.30PM

SESSION 4: SITUATIONS OF SERIOUS SEPSIS

Chairs:

Susanna Price, *Consultant Intensivist, Royal Brompton & Harefield Hospitals*

Kamran Baig, *Consultant Cardiac Surgeon, Guy's & St Thomas' Hospital, London*

4.00: The size of the problem

Shelley Rahman-Haley, *Consultant Cardiologist, Royal Brompton & Harefield Hospitals, London*

4.10: Mycotic aneurysms of the visceral segment - management?

Morad Sallam, *Consultant Vascular Surgeon, Guy's and St Thomas' Hospital, London*

4.20: Multi-modality imaging in endocarditis

Simon Davies, *Consultant Interventional Cardiologist, Royal Brompton & Harefield Hospitals, London*

4.30: Drug dependence and endocarditis

Jullien Gaer, *Consultant Cardiac Surgeon, Royal Brompton & Harefield Hospitals, London*

4.40: Aortic graft infection: Interpreting microbiology results and maximizing treatment

Nick Price, *Consultant in Infectious Disease, Guy's & St Thomas' Hospital, London*

4.50: An algorithm for management of Prosthetic Valve Endocarditis

Bernard Prendergast, *Consultant Cardiologist, Guy's & St Thomas' Hospital, London*

5.00: PANEL DISCUSSION

5.30 - 6.30: CASE PRESENTATIONS

10 case presentations of 3 minutes, with 1 minute discussion

6.30 - 7.30: Drinks Reception

8pm: Faculty Dinner

FRIDAY 17th SEPTEMBER 2021

8.30-10AM

SESSION 5: PREGNANCY, POST-PARTUM AND PAEDIATRICS

Chairs:

Michael Gatzoulis, *Royal Brompton Hospital and Imperial College London*

Katie Francis, *National Heart & Lung Institute, Imperial College London*

8.30: Aortopathy in pregnancy - how to advise

Catherine Head, *Consultant Cardiologist, Norfolk and Norwich University Hospital*

8.40: Aortic dissection in pregnancy

Rick Gibbs, *Consultant Vascular Surgeon, Imperial College London*

8.50: Aortic problems in childhood

Nitha Naqvi, *Consultant Paediatric Cardiologist, Royal Brompton and Harefield Hospitals, London*

9.00: The hypoplastic arch - How to deal with it?

Darryl Shore, *Consultant Cardiac Surgeon, Royal Brompton and Harefield Hospitals, London*

9.10: Mid-aortic syndrome - What we know and what we miss

Dawn Coleman, *Associate Professor of Surgery and Paediatrics & Communicable Diseases, University of Michigan, USA*

9.20: Guidelines for the management of Turner's syndrome

Michael Gatzoulis, *Academic Head of the Adult Congenital Heart Centre and the National Centre for Pulmonary Hypertension, Royal Brompton Hospital and Professor of Cardiology and Congenital Heart Disease, National Heart and Lung Institute, Imperial College London*

9.30: PANEL DISCUSSION

10.00-10.30AM

KEYNOTE LECTURE: Management of Marfan syndrome in children

Yskert von Kodolitsch, *Senior Physician, Department of Cardiology, University Heart and Vascular Centre, Hamburg, Germany*

10.30: COFFEE

11.00-12.50PM

SESSION 6: GETTING THE JOB DONE

Chairs:

Celia Riga, *Head of School of Surgery*

George Asimakopoulos, *National Cardiac Tutor*

11.00: The aneurysm rupture pathway: decision making, infrastructure and definitive management

Simon Neequaye, *Consultant Vascular Surgeon, Royal Liverpool University Hospital*

11.10: Acute aortic dissections and IMH: when should one intervene and predictors of favourable outcomes

Bijan Modarai, *Professor of Vascular Surgery, Guy's & St Thomas' Hospital, London*

11.20: Basic principles of cardiopulmonary bypass and deep hypothermic circulatory arrest

George Asimakopoulos, *Consultant Cardiac Surgeon, Royal Brompton & Harefield Hospitals, London & National Cardiac Tutor*

11.30: Major trauma in the chest and abdomen: When to opt for open, endo or both?

Martin Griffiths, *Consultant Vascular and Trauma Surgeon, Barts Health NHS Trust, London*

11.40: **The difficult top end: Thoracic, supra-renal, infra-renal segment (with case illustrations)**

Colin Bicknell, *Consultant Vascular Surgeon, Imperial College London*

11.50: **The aortic bifurcation and iliac vessels: Technical considerations for open surgery and endovascular intervention (with case illustrations)**

Pete Holt, *Consultant Vascular Surgeon, St George's University Hospital, London*

12.00: **Visceral arch vessel and intercostal perfusion: The key to success in aortic repair (with case illustrations)**

Nick Cheshire, *Professor of Vascular Surgery, Aortic Centre, Royal Brompton and Harefield Hospitals, London*

12.10: **Quantitative CT image analysis in FET, TEVAR and EVAR planning (interactive session with delegate voting and case illustrations)**

Mo Hamady, *Consultant Interventional Radiologist, Imperial College London*

12.20: **PANEL DISCUSSION**

12.50: **Conquering Complexity in Music and Medicine**

William Bruce, *Head of Strings at Guildhall School of Music & Drama, London*

1.10: LUNCH

2.00 - 3.30PM

SESSION 7: TACKLING AORTIC EMERGENCIES IN THE FRONT LINE

Chairs:

Aung Oo, *Consultant Cardiac Surgeon, Barts NHS Trust, London*

Ulrich Rosendahl, *Royal Brompton and Harefield Hospitals, London*

2.00: **Improved diagnostic pathways - role of imaging**

Saeed Mirsadraee, *Cardiothoracic Radiologist, Royal Brompton and Harefield Hospitals, London*

2.10: **Insights into the REBOA trial**

Chris Aylwin, *Vascular and Trauma Consultant, Imperial College London*

2.20: **Preventing cerebral embolism in TEVAR**

Lydia Hanna, *Clinical Research Fellow, Department of Vascular Surgery, Imperial College London*

2.30: **Timing of intervention in Type A dissection**

Max Baghai, *Consultant Cardiothoracic Surgeon, King's College Hospital, London*

2.40: **The role of medical management in Type B aortic dissection**

Guy Martin, *NIHR Clinical Lecturer and Vascular Surgeon, Department of Surgery and Cancer and Institute of Global Health Innovation, Imperial College London*

2.50 True lumen collapse (STABILISE)

Germano Melissano, *Chair of Vascular Surgery, "Vita-Salute" San Raffaele University School of Medicine, Milan, Italy*

3.00: In-situ fenestrations

Dominique Fabre, *Professor of Thoracic and Vascular Surgery and Cardiopulmonary Transplantation at Marie Lannelongue Hospital, Paris, France*

3.10: PANEL DISCUSSION

3.30: PRIZE PRESENTATIONS

3.35: TEA

4.00 - 5.30pm

SESSION 8: ADVANCED INTERVENTIONS FOR AORTIC CONDITIONS

Chairs:

Obi Agu, *Consultant Vascular Surgeon, Royal Free London*

Colin Bicknell, *Imperial College London*

4.00: New patterns of delivery for cardiovascular services: Why have they not been accepted?

Rachel Bell, *Consultant Vascular Surgeon, Newcastle Hospitals NHS Foundation Trust*

4.10: Open and endo: The hybrid approach

Bijan Modarai, *Professor of Vascular Surgery, Guy's & St Thomas' Hospital, London*

4.20 Intercostal embolization to stimulate collateralisation

Christian Etz, *Cardiac Surgeon and Associate Professor of Cardiac Surgery, Department of Cardiac Surgery, Heart Centre Leipzig, Germany*

4.30: New ideas for arch reconstruction in 2021

Ulrich Rosendahl, *Consultant Cardiac Surgeon, Royal Brompton and Harefield Hospitals, London*

4.40 Failed EVAR top-end: Management options

Pete Holt, *Consultant Vascular Surgeon, St George's University Hospital, London*

4.50 The application of inner branches in complex EVAR

Said Abisi, *Consultant Vascular Surgeon, Guy's & St Thomas' Hospital, London*

5.00: TEVAR approach to arch aneurysms: Durability?

Mo Hamady, *Consultant Interventional Radiologist, Imperial College London*

5.10: **Complications after complex aneurysm repair**

Tara Mastracci, *Consultant Vascular Surgeon, Royal Free London*

5.20: **PANEL DISCUSSION**

5.40: **What have we learned?**

John Pepper, *Professor of Cardiothoracic Surgery, Royal Brompton and Harefield Hospitals, London*

5.45: **CLOSE**

London Aorta is grateful to the following companies for their sponsorship of the meeting:

