2007 Annual Scientific Conference Programme

4-7 June 2007 SECC, Glasgow
On behalf of the Programme Committee and the Affiliated Groups of the BCS, I should like to extend a very warm welcome to you. The 2007 meeting of the BCS has been planned to give a wide spectrum of cardiovascular education and research presentations to all the groups that attend. Following last year’s meeting, the Programme Committee received some very helpful feedback and we have tried to respond to this where possible.

This year we are marking the new name of the BCS – now the British Cardiovascular Society which has evolved from 60 years of the British Cardiac Society. On Monday evening, in place of satellite symposia, there will be a BCS symposium marking achievements of British cardiovascular science and looking to what the future may hold. This will be followed by a reception in the Exhibition area to which you are all invited.

This year, the number of moderated posters has been expanded and there will be basic and clinical presentations in the Exhibition Hall on each day of the meeting. These are amongst the highest scoring abstracts and represent some very stimulating research. I strongly encourage you to take a look at these. The posters will be presented at the morning coffee breaks.

This year, the Lomond Hall is fitted out with key pads to allow audience participation with the sessions (and will also be used at the AGM). Speakers in the Lomond may build questions into their talks and it is hoped that you will find this adds to the educational value of the sessions held there.

The Exhibition is a central part of the meeting. The Programme Committee has asked exhibitors to extend as much as possible the educational opportunities on their stands and some of these will be highlighted during the meeting.

I hope you have a stimulating and rewarding meeting.

On behalf of the BCS, welcome to Glasgow.

David Crossman
Chairman of the Programme Committee

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General information

Conference
The conference will be held in the Scottish Exhibition and Conference Centre (SECC). The programme will open on Monday 4 June at 09.15 hrs and close on Thursday 7 June at 13.30 hrs.

Exhibition
The exhibition will be held in Hall 4 and will be open from 14.30 hrs on Monday.

Registration
Registration will take place in Hall 4. Desks will be open at the following times:
- Monday 4th June: 08.00 – 20.30
- Tuesday 5th June: 07.30 – 18.00
- Wednesday 6th June: 07.30 – 18.00
- Thursday 7th June: 07.30 – 13.30

See the back cover of this programme for a location plan of the meeting rooms and exhibition hall.

Delegate badges
- White: BCS Member
- Blue: Affiliated Groups
- Red: Non member
- Green: Presenter/Chairman
- Black: BCS Staff
- Yellow: Sponsored symposium only

Badges must be worn at all times to gain admission to sessions, exhibition hall, annual dinner and other events.

The audiovisual centre will be located in the Morar Room in the Seminar Suite.

CPD – the conference is registered with the RCP for CME/CPD.

Catering facilities are located in Hall 4 and on the main concourse. For those attending the ‘How to’ sessions, a packed lunch will be available for purchase near the session rooms.

The contact telephone number at the registration desk during the conference is 0141 576 3405.
Exhibition

The Society would like to thank the many exhibitors who have purchased stand space. All delegates are encouraged to visit the exhibition, which will be open at the following times:

Monday 4th June 14.30 – 20.30
Tuesday 5th June 09.00 – 18.00
Wednesday 6th June 09.00 – 18.00
Thursday 7th June 09.00 – 13.30

Further information on this year’s exhibition may be obtained from Concorde Services Ltd (tel: 0141 331 0123; email: exhibition@bcs.com).

Sponsored symposia
A number of companies are hosting sponsored symposia on Tuesday and Wednesday lunchtimes and Tuesday evening.

Tuesday
Servier Laboratories Ltd – Heart rate: is our finger on the pulse?
Novartis – Winning the battle with difficult and resistant hypertension
Daichii-Sankyo/Lilly – Optimal antiplatelet treatment of ACS patients undergoing PCI
sanofi-aventis – Cardiovascular disease, abdominal obesity and the endocannabinoid system

Wednesday
Pfizer – Debate: Cholesterol targets of 4 and 2mmol/L should be national policy for patients with established CHD
Schering Plough/MSD – Balance: the art of cholesterol management

Annual dinner
The annual dinner will take place on Wednesday 6 June at the Kelvingrove Art Gallery.

Committee meetings

Monday

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<thead>
<tr>
<th>Committee</th>
<th>Room</th>
<th>Time</th>
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<tbody>
<tr>
<td>SAC Business</td>
<td>Etive</td>
<td>11:30</td>
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<tr>
<td>BJCA Council</td>
<td>Fyne</td>
<td>12:15</td>
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<tr>
<td>Working Group on Women’s Heart Health</td>
<td>Katrine</td>
<td>12:15</td>
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<tr>
<td>BCS hosts SAC meeting/STC chairs/TPDs</td>
<td>Leven</td>
<td>13:30</td>
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<tr>
<td>BCIS Council</td>
<td>Katrine</td>
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<td>BSE Industry</td>
<td>Fyne</td>
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<tr>
<td>NCASP Twice Yearly Heart Disease Meeting</td>
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Tuesday

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<tr>
<th>Committee</th>
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<tr>
<td>Service Network Advisors</td>
<td>Dochart</td>
<td>07:30</td>
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<td>JCAB Knowledge Based Assessment</td>
<td>Fyne</td>
<td>07:30</td>
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<tr>
<td>BSE Council</td>
<td>Ness</td>
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<tr>
<td>BCCA Council</td>
<td>Katrine</td>
<td>08:00</td>
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<td>Women’s Network</td>
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<td>Academic and Research</td>
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<td>BSCMR</td>
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<td>BNCS Business</td>
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<td>SCST Education</td>
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<td>BACR Council</td>
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Wednesday

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<td>BCCA Business Meeting</td>
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<td>BANCC AGM</td>
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<td>BSCMR AGM</td>
<td>Hall 1</td>
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<td>HCP (UK)</td>
<td>Katrine</td>
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<tr>
<td>Trainee Education</td>
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<td>HRUK Council</td>
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<td>BSH Board</td>
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<td>Information and Surveys</td>
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## BCS Board and Council

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<th>BOARD</th>
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<tr>
<td>Dr Nicholas Brooks</td>
<td>President</td>
<td>2005-2007</td>
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<td>Dr Nicholas Boon</td>
<td>President Elect</td>
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<td>Dr Stephen Holmberg</td>
<td>Honorary Secretary</td>
<td>2006-2008</td>
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<td>Dr David Hackett</td>
<td>Vice-President Clinical Standards</td>
<td>2007-2010</td>
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<td>Dr Kevin Jennings</td>
<td>Vice-President Corporate and Financial Affairs</td>
<td>2006-2009</td>
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<td>Dr Peter Mills</td>
<td>Vice-President Training</td>
<td>2006-2007</td>
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<td>Prof David Crossman</td>
<td>Vice-President Education and Research</td>
<td>2003-2008</td>
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<td>Prof Stuart Cobbe</td>
<td>Vice-President Elect Training</td>
<td>2006-2007</td>
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<td>Prof Dame Carol Black</td>
<td>Non-executive Trustee</td>
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<td>Mr Graham Meek</td>
<td>Non-executive Trustee</td>
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<th>COUNCIL 2007-2008</th>
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<td>Adam Timmis</td>
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<td>Peter Weissberg</td>
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## Joint committees

**Heart Management Committee (BCS/BMJ Publishing)**
Nicholas Brooks (Co-Chairman)
Stella Dutton (Co-Chairman)

**Joint Specialty Cardiology Committee (BCS/RCP)**
David Crossman (Chairman)

**Specialty Advisory Committee (BCS/RCP)**
Peter Mills (Chairman)

**BCS committees**

### Academic and Research Committee
- Hugh Watkins (Chairman)
- Nicholas Boon
- Robin Choudhury
- David Crossman
- David Eisner
- Adam Fitzpatrick
- Kevin Jennings
- Michael Marber
- Nilesh Samani
- Peter Weissberg
- Bindi Sheemar

### Finance Committee
- Kevin Jennings (Chairman)
- Nicholas Boon
- Nicholas Brooks
- John Deanfield
- Nicholas Kaye
- Graham Meek
- Paul Oldershaw
- Martin Rothman
- Tony Salter
- Derek Yellon
- Finola McNicholl
- Bindi Sheemar

### Information and Surveys Committee
- Sarah Clarke (Chairman)
- Stephen Holmberg
- Ian Cox
- Tim Bowker
- Saul Myerson
- Martin Godfrey
- Stuart Pringle
- David Roberts
- Usha Prasad
- Kirsten Bradbury
- Anna Kassai
- Steven Yeats

### Clinical Practice Committee
- Steven Bridge
- Nicholas Boon
- Nicholas Brooks
- Keith Dawkins
- David Hackett
- Guy Haywood
- Terry McCormack
- Peter Mills
- Charles Pumphrey
- Jillian Riley
- Mark Signy
- Ken Timmis
- Kirsten Bradbury

### Industry Liaison Committee
- Nicholas Brooks (Chairman)
- Chris Brinsmead
- Nicholas Boon
- Nigel Brooksby
- Stephen Brown
- Jackie Ganley
- David Geldard
- Beccy Holmberg
- Kevin Jennings
- Geoff Morris
- Satoru Noguchi
- Tony Whitehead
- Derek Yellon
- Finola McNicholl
- Rosemary Weston
- Steven Yeats

### Elections Committee
- Huon Gray (Chairman)
- Jennifer Adgey
- Nicholas Brooks
- John Camm
- Charles George
- David Geldard
- Howard Swanton
- Anna Kassai

### Programme Committee
- David Crossman (Chairman)
- Martin Bennett
- Nicholas Brooks
- Nicholas Boon
- Barbara Casadei
- Sarah Clarke
- Stuart Cobbe
- Anthony Gershlick
- David Hackett
- Stephen Holmberg
- Kevin Jennings
- Peter Mills
- Jeremy Pearson
- Bernard Prendergast
- Iain Simpson
- Derek Yellon
- Fiona McNicholl
- Mary-Lou Pitts
- Rosemary Weston
- Steven Yeats
Abstract markers

The Programme Committee wishes to acknowledge the generous help given in abstract selection by the following (names in bold indicate Chairmen of the markers for their category).

Dr A Al-Mohammed  Dr M Farrer  Prof D Pennell
Dr F Astin  Dr A Ferro  Mr P Punjabi
Dr A Bakhai  Dr D Francis  Dr I Purcell
Dr A Banning  Dr P Fraser  Prof T Quinn
Dr K Barakat  Dr S Furniss  Dr S Ray
Dr A Baumbach  Dr M Gammage  Dr S Redwood
Prof H Becher  Dr C Garratt  Dr C Redwood
Dr T Betts  Dr M Gault  Dr A Rozkovec
Prof S Bhattacharya  Dr F Green  Dr N Sattar
Dr A Bishop  Dr J Greenwood  Dr M Scheuermann-Freestone
Dr R Bogle  Dr M Griffith  Dr R Schilling
Dr N Boon  Dr M Gunning  Dr R Senior
Dr J Bourke  Dr H Hemingway  Dr L Shapiro
Dr A Brady  Dr R Henderson  Dr A Slade
Dr C Brookes  Dr D Henderson  Dr D Spriggins
Dr M Brown  Dr M Kearney  Dr A Stanley
Dr F Bu’Lock  Dr B Keavney  Dr R Steeds
Dr A Calver  Dr P Kohl  Dr A Struthers
Prof D Carling  Prof C Lang  Dr G Stuart
Dr J Chambers  Dr G Lloyd  Ms J Tagney
Dr R Clark  Dr P Ludman  Dr B Tan
Prof K Clarke  Dr P MacCarthy  Dr S Thorne
Dr P Cowburn  Dr K MacLeod  Dr J Townsend
Dr T Cripps  Prof G Mann  Dr V Tsang
Dr P Daubeney  Dr V Markides  Dr R Tulloh
Dr G Davey-Smith  Dr A Mathur  Dr H Waterhouse
Dr W Davies  Dr J Mayet  Dr N West
Dr D Dawson  Dr B Mayosi  Prof M Wilkins
Dr M de Belder  Dr J McEwan  Dr S Williams
Prof C Deaton  Dr P Munroe  Dr S Woldman
Dr C Dickinson  Prof L Ng  Dr C Wren
Dr C Dollery  Dr N Patel  Ms M Wrightley
Prof A Dominiczak  Dr C Peebles  Dr Q Xu
Dr D Dutka  Dr D Pellerin  Dr B Pendergast
Ms L Edmunds

Affiliated groups

British Association for Cardiac Rehabilitation (BACR)
President: Mrs Bernie Downey (bernie.downey@belfasttrust.hscni.net)
Treasurer: Ms Carol Over (carol.over@nch.nhs.uk)
Secretary: Ms Judith Edwards (judith.edwards@westminster-pct.nhs.uk)

British Association for Nursing in Cardiac Care (BANCC)
President: Mr Ian Jones (i.jones@salford.ac.uk)
President-Elect: Ms Jenny Tagney (Jenny.tagney@ubht.nhs.uk)
Treasurer: Mr Alun Roebuck (alun.roebuck@chs.northy.nhs.uk)
Secretary: Ms Rachel Matthews (R.Matthews@rbh.nthames.nhs.uk)
Junior Secretary: Ms Jane Butler (jane.butler@bartsandthelondon.nhs.uk)

British Atherosclerosis Society (BAS)
Chairman: Professor Keith Channon (keith.channon@cardiov.ox.ac.uk)
Treasurer: Dr Chris Newman (c.newman@sheffield.ac.uk)
Secretary: Dr Sarah George (S.J.George@bristol.ac.uk)

British Cardiovascular Intervention Society (BCIS)
President: Dr Martyn Thomas (mttwins@aol.com)
Treasurer: Dr Simon Redwood (simon.redwood@gstt.sthames.nhs.uk)
Secretary: Dr Bernard Prendergast (bernard.prendergast@smuht.nwest.nhs.uk)

British Congenital Cardiac Association (BCCA)
President: Dr John Gibbs (jgibbs@mac.com)
Treasurer: Dr Joseph De Giovanni (degiovanni@blueyonder.co.uk)
Secretary: Dr Graham Stuart (graham.stuart@ubht.nhs.uk)

British Junior Cardiologists’ Association (BJCA)
President: Dr Chris Gale (C.P.Gale@leeds.ac.uk)
Treasurer: No appointment
Secretary: Dr Dawn Adamson (cardiacspice@hotmail.com)
### British Nuclear Cardiology Society (BNCS)
- **President:** Dr Mark Harbinson (m.harbinson@qub.ac.uk)
- **Treasurer:** Dr Simon Woldman (simon.woldman@ucfh.nhs.uk)
- **Secretary:** Dr Catherine Dickinson (Catherine.dickinson@leedsth.nhs.uk)

### British Society of Cardiovascular Imaging (BSCI)
- **Chairman:** Dr Charles Peebles (charles.peebles@suht.swest.nhs.uk)
- **Treasurer:** Dr Richard Coulden (rc@prdg.demon.co.uk)
- **Secretary:** Dr Roger Bury (rogerwbury@btinternet.com)

### British Society for Cardiovascular Research (BSCR)
- **Chairman:** Prof David Eisner (eisner@man.ac.uk)
- **Treasurer:** Dr Michael J Curtis (michael.curtis@kcl.ac.uk)
- **Secretary:** Prof Barbara McDermott (b.mcdermott@qub.ac.uk)

### British Society of Echocardiography (BSE)
- **President:** Dr Kevin Fox (k.fox@imperial.ac.uk)
- **Treasurer:** Mr Graham Leech (graham@cardiac.demon.co.uk)
- **Secretary:** Mrs Jane Allen (jane.allen@york.nhs.uk)

### British Society for Heart Failure (BSH)
- **Chairman:** Professor Martin Cowie (m.cowie@imperial.ac.uk)
- **Treasurer:** Dr Suzanna Hardman (Suzanna.hardman@whittington.nhs.uk)
- **Secretary:** Ms Michelle Glanville (info@bsh.org.uk)

### British Society of Cardiovascular Magnetic Resonance (BSCMR)
- **Chairman:** Professor Dudley Pennell (d.pennell@imperial.ac.uk)
- **Treasurer:** Professor Henry Dargie (h.dargie@bio.gla.ac.uk)
- **Secretary:** Ms Michelle Glanville (office@bscmr.org)

### Heart Care Partnership UK (HCPUK)
- **Chairman and President:** Mr David Geldard (david.geldard2@ntlworld.com)
- **Treasurer:** Mr Ken Timmis (wcasg@ktimmis.freeserve.co.uk)
- **Secretary:** Ms Anne Jolly (sadsuk@btconnect.com)

### Heart Rhythm UK (HRUK)
- **President:** Dr Derek Connelly (derek.connelly@northglasgow.scot.nhs.uk)
- **Treasurer:** Prof John Morgan (jmm@cardiology.co.uk)
- **Secretary:** Dr Michael Gammage (m.d.gammage@bham.ac.uk)

### Primary Care Cardiovascular Society (PCCS)
- **Chairman:** Dr Terry McCormack (tesmcc@aol.com)
- **Chairman-Elect:** Dr Ahmet Fuat (a.fuat@ntlworld.com)
- **Treasurer:** Dr Stewart Findlay (stewart.findlay@durhamdalespct.nhs.uk)
- **Secretary:** Dr Kathryn Griffith (kathryn.griffith@york.nhs.uk)
- **Executive Director:** Dr Fran Sivers (fransivers@pccs.org.uk)

### Society for Cardiological Science and Technology (SCST)
- **President:** Dr Chris Eggett (chris.eggett@suntpct.nhs.uk)
- **Treasurer:** Dr Leslie Goulding (l.goulding858@btinternet.com)
- **Honorary Secretary:** Mr Peter Lewis (peter.lewis@nglam-tr.wales.nhs.uk)
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<tr>
<td>9.15</td>
<td>SAC</td>
<td>BSH/Diabetes UK</td>
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<td></td>
<td>Interactive meeting for trainees in cardiology</td>
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<td>12.15</td>
<td><strong>Lunch</strong></td>
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<td>13.00</td>
<td>BSE/BNCS/BSCMR</td>
<td>BAS</td>
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<td>Optimising the use of multimodality imaging in cardiac patients. A case based approach</td>
<td>Update on platelets; drugs and receptors</td>
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<td>14.30</td>
<td>HRUK</td>
<td><strong>BSCR/BSH</strong></td>
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<td>Assessing families at high risk of sudden cardiac death</td>
<td>Is the failing heart in need of more energy?</td>
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<td>16.00</td>
<td>Opening by the President Dr Nicholas Brooks</td>
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<td>16.15</td>
<td>Strickland-Goodall Lecture</td>
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<td>Prof Keith Channon</td>
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<td>British Cardiovascular Society launch party</td>
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**Monday 4 June**

- SAC: Interactive meeting for trainees in cardiology
- BCIS: Case studies
- BSE/BNCS/BSCMR: Optimising the use of multimodality imaging in cardiac patients. A case based approach
- HRUK: Assessing families at high risk of sudden cardiac death
- Opening by the President Dr Nicholas Brooks
- Strickland-Goodall Lecture: Prof Keith Channon
- British Cardiovascular Society launch party
Lomond (continued)

Primary PCI
SpR case presentation 3
Dr Peter Henriksen
The evidence base for primary PCI
Dr Neal Uren
SpR case presentation 4
Dr Jaydeep Sarma
Developing a service and optimising outcome
Dr Nicholas Curzen
Audience and panel discussion

Alsh 10.45-12.15

Teach-in
British Society for Heart Failure (BSH) / Diabetes UK
Diabetes mellitus and heart failure
Chair: Prof John Cleland and Dr Richard Holt
Molecular mechanisms linking diabetes and cardiovascular disease
Dr Peter Grant
Epidemiology and clinical pathophysiology
Dr John Petrie
How to treat diabetes in patients with heart failure
Dr Stephen Beer
Effects of treatment for heart failure in diabetes
Dr Iain Squire
Audience and panel discussion

Lomond 10.45-12.15

Teach-in
British Cardiovascular Intervention Society (BCIS)
Case studies
Chair: Dr Keith Oldroyd and Dr Neal Uren
Panel: Dr Andreas Baumbach
Dr Nicholas Curzen
Dr Keith Oldroyd
Dr Neal Uren
Stent thrombosis in the DES era
SpR case presentation 1
Dr Arvind Sood
The drug-eluting stent trials – behind the data
Dr Keith Oldroyd
SpR case presentation 2
Dr Sachin Jadhav
Avoiding late stent thrombosis
Dr Andreas Baumbach
Audience and panel discussion

Lunch 12.15-13.00
Lomond 13.00-14.30

Teach-in

British Society of Echocardiography (BSE)
British Nuclear Cardiology Society (BNCS)
British Society of Cardiovascular Magnetic Resonance (BSCMR)

Optimising the use of multimodality imaging in cardiac patients.
A case based approach
Chair: Dr Kevin Fox and Dr Peter Wilde

Ischaemic heart failure (TTE/DSE + CMR + Angio)
Dr Francisco Leyva

Aortic valve disease (TTE + DSE + 64 slice CT)
Dr Charles Peebles

A diabetic with raised BMI and atypical chest pain (MPS + angio)
Dr Mark Harbinson

A case of congenital disease (echo/TOE +)
Dr Navroz Masani

Lomond 14.30-16.00

Teach-in

Heart Rhythm UK (HRUK)
Assessing families at high risk of sudden cardiac death
Chair: Dr Derek Connelly and Dr Clifford Garratt

Role of the pathologist
Dr Mary Sheppard

Role of the cardiologist
Dr Perry Elliott

Role of the electrophysiologist
Dr Andrew Grace

Role of the geneticist
Dr Edward Blair

Alsh 13.00-14.30

Teach-in

British Atherosclerosis Society (BAS)

Update on platelets: drugs and receptors
Chair: Dr Keith Oldroyd and Dr Robert Storey

Platelet biology and receptors: what makes them stick?
Prof Stanley Heptinstall

Antiplatelet drugs, old and new
Dr Anthony Gershlick

What the future holds for antiplatelet treatments in clinical practice
Dr Robert Storey

Alosh 14.30-16.00

British Society for Cardiovascular Research (BSCR)
British Society for Heart Failure (BSH)

Is the failing heart in need of more energy?
Chair: Prof David Eisner and Prof Stefan Neubauer

Altered energy production in the failing human myocardium
Prof Kieran Clarke

Remodeling energy production – salvation or damnation in heart failure?
Dr Anne-Marie Seymour

Options for metabolic therapy in heart failure
Prof Stefan Neubauer

Cardiac cachexia
Dr Andrew Clark

Exhibition opens 14.30

Lomond 16.00-16.15

Formal opening of the scientific sessions by the President
Dr Nicholas Brooks
Lomond 16.15-17.00

Strickland-Goodall Lecture
Prof Keith Channon

Cardiovascular oxidants and antioxidants: What to stress?
Introduced by Dr Nicholas Brooks; Thanked by Prof Martin Bennett

Lomond 17.15-19.00

Sixty years of UK contribution to cardiovascular medicine – where in the future?

Arrhythmia
Prof John Camm

Population
Prof Rory Collins

Cardiac surgery
Prof Sir Bruce Keogh

Myocardial infarction
Prof Keith Fox

Heart failure
Prof Philip Poole-Wilson

Clinical translation of basic science
Prof Peter Weissberg

Exhibition Hall 4 19.00-20.30

BCS Launch Party
### Tuesday 5 June

#### Clyde
- **8.30**
  - Controversial issues in angioplasty and abstracts (1-2)
  - BSH/BSCMR: Should CMR be used routinely in heart failure?

- **11.30**
  - BAS/BSCR/BCIS: Endothelial dysfunction and thrombosis following stenting: scientific and clinical issues
  - PCCS/BHS: Challenges in hypertension
  - BSH/HKU: Atrial fibrillation in heart failure
  - BSE: New techniques in the echo lab

- **16.00**
  - Exhibition break (Moderated posters in exhibition 3-14)

#### Lomond
- **8.30**
  - BCS: Controversial issues in angioplasty and abstracts (1-2)
  - BHF: Adult CV disease from developmental biology

- **11.30**
  - BSE: New techniques in the echo lab

- **16.00**
  - Exhibition break (Moderated posters in exhibition 3-14)

#### Hall 1
- **8.30**
  - BCS: Controversial issues in angioplasty and abstracts (1-2)
  - BSH/BSCMR: Should CMR be used routinely in heart failure?

- **11.30**
  - BAS/BSCR/BCIS: Endothelial dysfunction and thrombosis following stenting: scientific and clinical issues
  - PCCS/BHS: Challenges in hypertension
  - BSH/HKU: Atrial fibrillation in heart failure
  - BSE: New techniques in the echo lab

- **16.00**
  - Exhibition break (Moderated posters in exhibition 3-14)

#### Forth
- **8.30**
  - BCS: Controversial issues in angioplasty and abstracts (1-2)
  - BHF: Adult CV disease from developmental biology

- **11.30**
  - BSE: New techniques in the echo lab

- **16.00**
  - Exhibition break (Moderated posters in exhibition 3-14)

### Exhibition Break
- **10.00**
- **13.15**
- **14.30**
- **17.00**
- **18.30**
- **20.00**

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### Alsh

- **11.30**
  - BSCR: Vascular calcification

- **14.30**
  - **BACR:** Promoting physical activity in the sedentary cardiac patient

- **17.00**
  - **BSH/BCCA:** The right stuff

### Boisdale

### Carron

- **11.30**
  - **BACR:** Promoting physical activity in the sedentary cardiac patient

- **14.30**
  - **BSH/BCCA:** The right stuff

- **17.00**
  - **BACR:** Promoting physical activity in the sedentary cardiac patient

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### Heart Failure
- **11.30**
- **14.30**
- **17.00**

### Electrophysiology/pacing
- **11.30**
- **14.30**
- **17.00**

### Intervention
- **11.30**
- **14.30**
- **17.00**

### Imaging
- **11.30**
- **14.30**
- **17.00**
Exhibition Hall, SECC  07.30-18.00
Registration

Lomond  08.30-10.00
British Cardiovascular Intervention Society (BCIS)
Controversial issues in coronary angioplasty in the UK
Chair: Dr Martyn Thomas and Dr Huon Gray
Diagnostic coronary angiography should only be performed by cardiologists trained in angioplasty?
Dr Jim McLennachan

001
THE REACT TRIAL (RESCUE ANGIOPLASTY V CONSERVATIVE TREATMENT OR REPEAT THROMBOLYSIS) TRIAL: LONGER TERM FOLLOW UP
Gershlick, AH; Fairbrother, K; Carver, A; Stevens, S; Richardson, G
University Hospitals of Leicester, Leicester, United Kingdom

Tertiary v DGH PCI – is there a difference?
Dr Peter Ludman

002
DELAYS IN DELIVERING PRIMARY ANGIOPLASTY WITH INTERHOSPITAL TRANSFER RESULT IN LIMITED MORTALITY BENEFIT IN REAL-WORLD PRACTICE IN THE CONTEXT OF A HIGH QUALITY THROMBOLYSIS SERVICE
Dalby, MCD1; Kharbanda, RK1; Ghimire, G1; Spiro, J1; Hutchison, E1; Teoh, M2; Grocott-Mason, R2; Roughton, M1; Mitchell, AG1; Mason, M1; Ilsley, C1
1. Royal Brompton & Harefield NHS Trust, London, United Kingdom; 2. Hillingdon Hospital NHS Trust, London, United Kingdom

Should financial considerations influence decision making in revascularisation?
Dr Steve Holmberg

Hall 1  08.30-10.00
British Society for Heart Failure (BSH)
British Society of Cardiovascular Magnetic Resonance (BSCMR)
Should CMR be used routinely in heart failure?
Chair: Prof Henry Dargie and Prof Dudley Pennell
What are the imaging issues in heart failure? Multimodality imaging or a ‘one stop shop’?
Prof Stefan Neubauer
Measuring ventricular function in heart failure – CMR, the most accurate and reproducible method available
Dr Robin Weir
‘Heart failure’ is an incomplete diagnosis: how CMR brings us closer to the truth
Prof Dudley Pennell
CHD is the commonest cause of heart failure – how reversible dysfunction can be identified and quantified
Dr Stuart Watkins
The cardio-renal axis – une liaison dangereuse!
Prof John Cleland

Forth  08.30-10.00
British Heart Foundation (BHF)
Insights into adult cardiovascular disease from developmental biology
Chair: Prof Jeremy Pearson
Heart development and heart failure
Prof Shoumo Bhattacharya
Growing collateral vessels
Dr Ferdinand Lenoble
Educating stem cells to mend a broken heart
Dr Paul Riley
MUTATIONS IN THE CARDIAC TRANSCRIPTION FACTOR TBX1 MAY CONTRIBUTE TO SUSCEPTIBILITY TO TETRALOGY OF FALLOT IN PATIENTS WITHOUT 22Q11 DELETION
Griffin, HR; Keavney, B; Goodship, J
CHANGE Study Group, The Institute of Human Genetics, Newcastle-Upon-Tyne, United Kingdom

ENDOTHELIAL PROGENITOR CELLS IN ADULTS WITH AND WITHOUT CORONARY ARTERY DISEASE AND THEIR HEALTHY ADULT OFFSPRING: EVIDENCE FOR POTENTIAL GENETIC REGULATION
Whittaker, A; Moore, JS; Vasa, M; Stevens, S; Samani, NJ
Dept of Cardiovascular Sciences, University of Leicester, Leicester, United Kingdom

GENETIC DISSECTION OF A BLOOD PRESSURE QUANTITATIVE TRAIT LOCUS ON RAT CHROMOSOME 1 AND GENE EXPRESSION ANALYSIS IDENTIFIES SPON1 AS A NOVEL CANDIDATE HYPERTENSION GENE
Bingham, AJ1; Clemitson, J1; Dixon, RJ1; Haines, S1; Patel, B1; Hall, L1; Lo, M2; Sassard, J2; Charchar, FJ1; Samani, NJ1
1. University of Leicester, Leicester, United Kingdom; 2. Faculte de Pharmacie, Lyon, France

INTERLEUKIN 1 (IL1) IS SIGNIFICANTLY ASSOCIATED WITH CAD IN A LARGE UK DISCORDANT SIBSHIP COLLECTION
Brown, BD1; Balmforth, AJ2; Nsengimana, J3; Barret, J3; Lawrence, RA1; Hall, AS2
1. Leeds General Infirmary, Leeds, United Kingdom; 2. Institute for Cardiovascular Research, Leeds, United Kingdom; 3. Cancer Research, Leeds, United Kingdom

THE STENT OR SURGERY LONG TERM FOLLOW UP
Stables, RH1; Booth, J2; Pepper, J2; Clayton, T3; Flather, M2; Nugara, F2; Sigwart, U4
1. Liverpool Cardiothoracic Centre, Liverpool, United Kingdom; 2. Royal Brompton & Hasfield NHS Trust, London, United Kingdom; 3. London School of Hygiene & Tropical Medicine, London, United Kingdom; 4. University Hospital, Geneva, Switzerland
**Programme**

**010**

**EFFECT OF INCOMPLETE REVASCULARISATION ON OUTCOME FOLLOWING PERCUTANEOUS CORONARY INTERVENTION FOR MULTI-VEssel DISEASE: SCOTTISH CORONARY REVASCULARISATION REGISTER**

Pell, JP1; Oldroyd, K2; Slack, R3; Pell, ACH4; Eteiba, H5; Flapan, A6; Hillis, S7; Irving, J1; Jennings, K8; Northcote, R9; Starkey, 10

1. BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow, United Kingdom; 2. Western Infirmary, Glasgow, United Kingdom; 3. Greater Glasgow NHS Board, Glasgow, United Kingdom; 4. Monklands Hospital, Airdrie, United Kingdom; 5. Glasgow Royal Infirmary, Glasgow, United Kingdom; 6. Royal Infirmary, Edinburgh, United Kingdom; 7. Ninewells Hospital, Dundee, United Kingdom; 8. Aberdeen Royal Infirmary, Aberdeen, United Kingdom; 9. Victoria Infirmary, Glasgow, United Kingdom

**011**

**REMOTE ISCHAEMIC PRECONDITIONING PROTECTS THE HEART AT TIME OF CABG SURGERY**

Mwamure, PK1; Hausenloy, DJ1; Harris, J1; Barnard, M2; Grundy, E3; Ashley, E4; Di Salvo, C5; Vichare, S6; Kolvekar, S7; Hayward, M8; Keogh, B9; MacAllister, RJ10; Yellon, DM1

1. The Hatter Cardiovascular Institute, UCL, London, United Kingdom; 2. The UCLH Heart Hospital, London, United Kingdom; 3. Centre for Clinical Pharmacology and Therapeutics, UCL, London, United Kingdom

**012**

**STRESS ECHOCARDIOGRAPHY CAN SAFELY, RAPIDLY AND ACCURATELY RISK STRATIFY PATIENTS WITH SUSPECTED ACUTE CORONARY SYNDROME AND AN INITIAL (12 HOUR) NEGATIVE TROPNIN: IMPLICATIONS FOR EARLY USE OF STRESS ECHOCARDIOGRAPHY IN THE EMERGENCY DEPARTMENT**

Jeetley, P; Burden, L; Senior, R

Northwick Park Hospital, Harrow, United Kingdom

**013**

**ISCHAEMIC AND THROMBOTIC EFFECTS OF DILUTE DIESEL EXHAUST INHALATION IN PATIENTS WITH CORONARY HEART DISEASE: MECHANISMS FOR THE ADVERSE CARDIOVASCULAR EFFECTS OF AIR POLLUTION**

Mills, NL1; Törnqvist, H2; Gonzalez, MC2; Vink, E3; Robinson, SD4; Söderberg, S5; Donaldson, K5; Sandström, T6; Blomberg, A6; Boon, NA7; Newby, DE8

1. Edinburgh Royal Infirmary, Edinburgh, United Kingdom; 2. Umeå University, Umeå, Sweden; 3. Royal Infirmary Edinburgh, Edinburgh, United Kingdom; 4. James Cook University Hospital, Middlesbrough, United Kingdom; 5. The University of Edinburgh, Edinburgh, United Kingdom; 6. Umeå University, Umeå, United Kingdom

**014**

**ARE THERE ETHNIC DIFFERENCES IN THE DIAGNOSTIC AND PROGNOSTIC VALUE OF ANGINA SYMPTOM DESCRIPTORS? A 3-YEAR PROSPECTIVE STUDY OF 2189 SOUTH ASIANS**

Zaman, MJS1; Junghans, C1; Sekhri, N2; Feder, G3; Timmis, A3; Hemingway, H1

1. University College London, London, United Kingdom; 2. Newham University Hospital, London, United Kingdom; 3. Queen Mary’s School of Medicine and Dentistry, London, United Kingdom

**Clyde** 11.30-13.00

British Atherosclerosis Society (BAS)
British Society for Cardiovascular Research (BSCR)
British Cardiovascular Intervention Society (BCIS)

Endothelial dysfunction and thrombosis following stenting: scientific and clinical issues

Chair: Prof Keith Channon and Prof Roger Wadsworth

Endothelial repopulation after injury: role of EPCs

Dr Jonathan Hill

Platelet and inflammatory cell interactions

Prof Christian Weber

Thrombosis risk after stenting: where do we stand?

Dr Keith Oldroyd

Endothelial cell repopulation after PCI: clinical implications

Dr Robbert De Winter

**Lomond** 11.30-13.00

Primary Care Cardiovascular Society (PCCS)
British Hypertension Society (BHS)

Challenges in hypertension

Chair: Prof Gordon Mclnnes

Challenges of reaching targets in hypertension

Dr Terry McCormack

Audience and panel discussion

Debate: This house believes beta blockers should be restored as first line in hypertension

Chair: Prof Morris Brown

For: Prof Gordon Mclnnes

Against: Dr Gareth Beever

Audience and panel discussion
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<tr>
<th>Hall 1</th>
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<tr>
<td>British Society for Heart Failure (BSH)</td>
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<td>Heart Rhythm UK (HRUK)</td>
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<td>Atrial fibrillation in heart failure</td>
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<td>Chair: Dr Clifford Garratt and Dr Suzanna Hardman</td>
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<td>Panel:</td>
<td>Prof John Camm</td>
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<td>Prof Martin Cowie</td>
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<td>Dr Theresa McDonagh</td>
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<td>Dr Richard Schilling</td>
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<td>Dr Jay Wright</td>
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<td>AF in heart failure – cause or effect – scale of the problem</td>
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<td>Prof Martin Cowie</td>
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<td>Drug therapy for AF in the heart failure patient</td>
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<td>Prof John Camm</td>
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<td>The role of CRT in the patient with AF</td>
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<td>The role of left atrial ablation in the heart failure patient</td>
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<td>Promoting physical activity in the sedentary cardiac patient</td>
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<td>Chair: Mrs Bernie Downey</td>
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<td>A study evaluating physical activity outcome measures in cardiac rehabilitation patients: accelerometers versus questionnaires</td>
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<td>Dr A Orrell</td>
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<td>Seated exercise in heart failure: METs and strength demand</td>
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<td>Prof Patrick Doherty</td>
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<td>Update from the NACR data base: physical activity data</td>
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<td>Prof Robert Lewin</td>
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<td>Heart rate: is our finger on the pulse?</td>
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<td>Chair: Prof Philip Poole-Wilson</td>
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<td>Established cardiovascular risk factors: from discovery to treatment</td>
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<td>Heart rate: the forgotten cardiovascular risk factor?</td>
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<td>Lowering heart rate in clinical practice</td>
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<td>Winning the battle with difficult and resistant hypertension</td>
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<td>Chair: Prof Neil Poulter</td>
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<td>Difficult and resistant hypertension: minimising the risk</td>
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<td>Prof Neil Poulter</td>
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<td>Interactive case discussion: refractory hypertension in a patient on triple therapy – where to next?</td>
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<td>Side effects in combination treatment: considerations for management</td>
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<td>Dr Adrian Brady</td>
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Forth 13.15-14.15

How to advise the patient with congenital heart disease and their family
Chair: Dr Anthony Salomon and Mrs Sheena Vernon
The clinicians
Dr Frank Casey
A psychologist’s insight – the CHIP study
Dr Nicola Doherty
Audience and panel discussion

Alsh 13.15-14.15

How to follow up the patient with a prosthetic valve
Chair: Mr Graham Cooper and Mr Bernard Prendergast
Prosthetic valves: old vs new, tissue vs mechanical
Mr Robert Jeffrey
Echocardiographic features of prosthetic valves: normal and abnormal
Dr Adrian Ionescu
Clinical follow up and management of complications
Dr John Chambers

Boisdale 13.15-14.15

How to set up a primary angioplasty service
Chair: Dr Farzim Ordoubadi
Starting from scratch
Mr Roger Gamon
Sustaining a 24/7 service
Dr Jim McLenachan
Interaction with secondary care
Dr Alan Fitchet

Carron 13.15-14.15

How to select patients for cardiac resynchronisation therapy
Chair: Dr Vince Paul
Clinical criteria
Prof John Cleland
Echocardiographic criteria
Dr Mark Monaghan

Lomond 14.30-16.00

British Cardiovascular Society (BCS)
American College of Cardiology (ACC)

Avoiding complications with cardiovascular drugs
Chair: Dr Nicholas Boon and Dr Douglas Weaver
Recommendations for first-in-man clinical trials following the TGN1412 trial
in March 2006
Prof Sir Gordon Duff
Proarrhythmia and drugs
Prof John Camm
Role of peer review and editorial responsibility in pharmaceutical
investigational studies
Ms Fiona Godlee
Adverse cardiovascular reactions to non-steroidal anti-inflammatory drugs
Dr Douglas Weaver

Hall 1 14.30-16.00

British Society of Echocardiography (BSE)
Multimodality monitoring of valve disease
Chair: Prof Roger Hall
Echo is all you need
Dr John Chambers
BNP adds to the picture
Dr Kevin Fox
Is there still a role for the history?
Dr Bernard Prendergast
(Cardio-pulmonary) exercise testing is valuable
Dr Andrew Clark
Putting it all together into an integrated valve monitoring service
Dr Guy Lloyd
**Forth 14.30-16.00**

**Heart Rhythm UK (HRUK)**
Primary Care Cardiovascular Society (PCCS)

**Atrial fibrillation in primary care**
Chair: Dr Derek Connelly, Dr Ahmet Fuat and Prof Richard Hobbs

**Atrial fibrillation: the scale of the problem**
Prof John McMurray

**Who needs aspirin, who needs warfarin**
Prof David Fitzmaurice

**Which patients to refer for specialist management**
Dr Edward Rowland

**Audience and panel discussion**

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**Alsh 14.30-16.00**

**British Society for Heart Failure (BSH)**
British Congenital Cardiac Association (BCCA)

**The right stuff**
Chair: Dr Suzanna Hardman and Dr Graham Stuart

**Pathophysiology of right ventricular failure**
Prof Michael Frennaux

**Differential diagnosis and investigation of right ventricular failure**
Dr Andrew Clark

**Optimal management in patients with congenital heart disease**
Prof Andrew Reddington

**Optimal management in patients without CHD**
Prof John McMurray

**Exhibition break 16.00-17.00**

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**Lomond 18.30-20.00**

**Sponsored symposium**
Sponsored by Daiichi-Sankyo/Lilly

**Optimal antiplatelet treatment of ACS patients undergoing PCI**
Chair: Dr Mark de Belder and Dr Adrian Banning

**Acute versus chronic antiplatelet needs for ACS-PCI: fast, potent and reliable**
Dr Rod Stables

**Monitoring and clinical significance of variable antiplatelet response in ACS**
Dr Nick Curzen

**Future challenges in antiplatelet therapy for ACS-PCI**
Dr Rob Storey

**Audience and panel discussion**

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**Forth 18.30-20.00**

**Sponsored symposium**
Sponsored by sanofi-aventis

**Cardiovascular disease, abdominal obesity and the endocannabinoid system**
Chair: Prof Derek Yellon and Dr Huon Gray

**Where are we now and where are we going?**
Prof Derek Yellon and Dr Huon Gray

**Why should we be managing residual risk?**
Dr Henry Purcell

**Treatment of obesity and associated risk factors by CB1 blockade**
Prof Rafael Maldonado

**The journey from RIO to Swansea**
Dr Clive Weston

**Audience and panel discussion**

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**Lomond 17.00-18.00**

**Paul Wood Lecture**
Prof Catherine Otto

**Aortic valve stenosis: changing concepts of disease and management**
Introduced by Dr Nicholas Boon; Thanked by Prof Roger Hall
# CPD and Research Day

## Wednesday 6 June

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<td>Inequalities and cardiovascular disease</td>
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<td>British Cardiovascular Society AGM (members only)</td>
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### Heart Failure
- Audit, guidelines and epidemiology (15-21)
- EP Intervention and ablation (22-28)
- Myocardial biology (29-37)
- Heart failure and cardiac transplant (38-44)
- Nuclear, MRI and CT (45-51)

### Electrophysiology/pacing
- EP Intervention and ablation (22-28)
- Intervventional cardiology (124-130)
- Echocardiography (131-139)
- Nuclear, MRI and CT (149-157)

### Intervention
- EP Intervention and ablation (22-28)
- Intervention (124-130)

### Imaging
- Nuclear, MRI and CT (45-51)
- Nuclear, MRI and CT (149-157)
Exhibition Hall, SECC 07.30-18.00
Registration

Clyde 08.30-10.00
British Association for Nursing in Cardiac Care (BANCC)
Nurse led angiography
Welcome: Mr Ian Jones and Ms Maree Barnett
Debate: Non-medical versus medical angiography – fad or future?
Chair: Mr Alun Roebuck and Prof David Thompson
For: Ms Vanessa Beattie
Dr John Caplin
Against: Ms Sharon Barnes
Dr Aswar Zamen

Lomond 08.30-10.00
British Cardiovascular Intervention Society (BCIS)
Workshop
Multidisciplinary decision making in interventional cardiology
Chair: Dr Simon Redwood
Panel:
Dr Andreas Baumbach
Dr Joe McGoldrick
Dr Bernard Prendergast
Dr Nicholas West
Data presentation
Dr Robert Henderson
Revascularisation prior to non-cardiac surgery
Dr Philip MacCarthy
Revascularisation and ICD during ischaemic ventricular arrhythmias
Dr Mark Gunning
Choice of DES vs BMS in patients “committed” to warfarin therapy
Dr Akhil Kapur
Decision making after DES SAST
Dr Nicholas Bellenger

Hall 1 08.30-10.00
British Society of Echocardiography (BSE)
Workshop
Interactive teaching cases in echocardiography
Chair: Dr Timothy Bloomer and Dr Jamil Mayet
Teaching cases in echocardiology
Case 1
Dr Nav Masani
Case 2
Dr Bushra Rana
Case 3
Dr Antoinette Kenny
Case 4
Dr Simon Ray
Boisdale 08.30-10.00

Abstracts

Audit, guidelines and epidemiology
Chair: Dr Andrew Bishop and Prof Stuart Cobbe
State of the art: Effecting change in clinical practice
Prof David Wood

015 IMPLICATIONS OF GUIDELINES FOR STATIN TREATMENT FOR SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE – RISK FACTOR ANALYSIS OF THE SCOTTISH HEALTH SURVEY 2003
Haq, I1; Hill, J2; Craig, J; Ritchie, L4
1. Royal Victoria Infirmary, Newcastle upon Tyne, United Kingdom; 2. Quality Improvement Scotland, Edinburgh, United Kingdom; 3. Quality Improvement Scotland, Glasgow, United Kingdom; 4. University of Aberdeen, Aberdeen, United Kingdom

016 AGING DIMINISHES THE PUMPING CAPACITY OF HEALTHY HUMAN MALE BUT NOT FEMALE HEARTS
Lewis, NT1; Goldspink, DF2; Clements, RE2; Sharp, L2; Chantler, PD2; Patwala, A3; George, K3; Stephenson, C2; Tan, LB1
1. Leeds General Infirmary, Leeds, United Kingdom; 2. Research Institute for Sports & Exercise Sciences, Liverpool John Moores University, Liverpool, United Kingdom; 3. The Cardiothoracic Centre in Liverpool, Liverpool, United Kingdom

017 DIFFERENCES BETWEEN THE EUROPEAN AND AMERICAN SOCIETY GUIDELINES INFLUENCE THE NUMBER AND DURATION OF CHEST PAIN ADMISSIONS
Good, R1; Pollock, M; Carrick, A; Murphy, A; Oldroyd, KG; Robb, SD
Western Infirmary, Glasgow, United Kingdom

018 MANUAL ASSESSMENT OF QRS DURATION: IMPORTANCE OF ECG FORMAT AND CLINICAL IMPLICATIONS IN LIGHT OF NICE ICD IMPLANTATION GUIDELINES
Tomlinson, DR; Timperley, J; Ehtisham, J; Sabharwal, N; Myerson, S; Ryding, A; Shirodaria, C; Bashir, Y; Betts, TR
Department of Cardiology, John Radcliffe Hospital, Oxford, United Kingdom

019 EUROACTION: A EUROPEAN SOCIETY OF CARDIOLOGY DEMONSTRATION PROJECT IN PREVENTIVE CARDIOLOGY – ONE YEAR RESULTS FOR CORONARY PATIENTS AND THEIR PARTNERS
Connolly, SB1; Kotseva, K2; Jennings, C2; Mead, A2; Jones, J3; Holden, A3; De Backer, G1; De Bacquer, D1; Collier, TA4; Wood, DA2
1. Imperial college, London, United Kingdom; 2. Imperial College, London, United Kingdom; 3. University of Ghent, Ghent, Belgium; 4. London School of Hygiene and Tropical Medicine, London, United Kingdom

020 ATRIAL FIBRILLATION IN A PRIMARY CARE POPULATION: HOW CLOSE TO NICE GUIDELINES ARE WE?
Loo, B1; Parnell, C1; Brook, G2; Southall, E3; Mahy, I1
1. Torbay General Hospital, Torquay, United Kingdom; 2. Barton Surgery, Dawlish, United Kingdom; 3. Mayfield Surgery, Torquay, United Kingdom

021 ETHNIC DIFFERENCES IN RATES OF MYOCARDIAL INFARCTION IN PATIENTS WITH HYPERTENSION ARE EXPLAINED BY AN EXCESS OF DIABETES
Lim, HS1; Patel, JV1; Lip, GYH1; Tracey, P; Gunaratne, A3; Hughes, EA3
1. City Hospital, Birmingham, United Kingdom; 2. Sandwell Medical Research Unit, West Bromwich, United Kingdom; 3. Sandwell Medical Research Unit, West Bromwich, United Kingdom

Carron 08.30-10.00

Abstracts

EP intervention and ablation
Chair: Dr Nicholas Linker and Dr Richard Shilling
State of the art: Current status of ablation therapy for AF
Dr David Connolly

022 SINGLE CENTRE UK EXPERIENCE OF CRYOABLATION BALLOON FOR PAROXYSMAL AF
Sandilands, AJ; Woodburn, K; Boreham, PA; Cripps, TR
Bristol Royal Infirmary, Bristol, United Kingdom
028
THE IMPACT OF IMAGE INTEGRATION ON CATHETER ABLATION OF ATRIAL FIBRILLATION USING ELECTROANATOMIC MAPPING: A PROSPECTIVE RANDOMISED STUDY
Kistler, P; Rajappan, K; Harris, S; Gupta, D; Richmond, L; Ellis, S; Sporton, SC; Schilling, RJ
1. The Department of Cardiology, St Bartholomew’s Hospital and Queen Mary University, London, United Kingdom; 2. The Department of Radiology, St Bartholomew’s Hospital and Queen Mary University, London, United Kingdom

Dochart 08.30-10.00
Abstracts
Myocardial biology
Chair: Prof Metin Avkiran and Prof Ludwig Neyses

029
EFFICIENT CARDIAC GENE DELIVERY TO RAT HEART BY INTRAVASCULAR INJECTION OF ADENO-ASSOCIATED VIRUS-6
Masson, R; Work, LM; Nicklin, SA; Gregorevic, P; Allen, JM; Chamberlain, JS; Baker, AH
1. BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow, United Kingdom; 2. Senator Paul D. Welsone Muscular Dystrophy Cooperative Research Centre, University of Washington, Seattle, United States

030
THE ADIPOCYTOKINE, VISFATIN, REDUCES MYOCARDIAL INFARCT SIZE, WHEN GIVEN AT TIME OF REPERFUSION, BY INHIBITING THE MITOCHONDRIAL PERMEABILITY TRANSITION PORE
Hausenloy, DJ; Shiang-Yong, L; Paramanathan, AJ; Davidson, S; Smith, CCT; Yellon, DM
The Hatter Cardiovascular Institute, UCL., London, United Kingdom

031
METFORMIN GIVEN AT TIME OF REPERFUSION REDUCES MYOCARDIAL INFARCT SIZE THROUGH THE AKT-MEDIATED INHIBITION OF MITOCHONDRIAL PERMEABILITY TRANSITION PORE OPENING
Hausenloy, DJ; Bhamra, GS; Davidson, S; Carr, R; Mocanu, M; Yellon, DM
The Hatter Cardiovascular Institute, UCL., London, United Kingdom
032
DIFFERENTIAL ROLE OF NNOS IN HEART RATE REGULATION BETWEEN REST AND EXERCISE
Adlam, D1; de Bono, JP1; Casadei, B1; Paterson, DP2; Channon, KM1
1. Department of Cardiovascular Medicine, University of Oxford, Oxford, United Kingdom; 2. Department of Physiology, Anatomy and Genetics, University of Oxford, Oxford, United Kingdom

033
IS INCREASED MYOCARDIAL OXIDATIVE STRESS AN EARLY EVENT IN THE NATURAL HISTORY OF ATRIAL FIBRILLATION (AF)?
Reilly, Svetlana1; Idigo, Winifred1; Zhang, Mei2; Hale, Ashley3; Schotten, Uli3; Alp, Nicholas1; Casadei, Barbara1
1. University of Oxford, Department of Cardiovascular Medicine, John Radcliffe Hospital, Oxford, United Kingdom; 2. Department of Cardiovascular Medicine, Wellcome Trust Centre of Human Genetics, Oxford, United Kingdom; 3. Department of Physiology, Cardiovascular Research Institute Maastricht, Maastricht University, Maastricht, Netherlands

034
CARDIAC AND SYSTEMS BIOLOGY OF ISOFORM 4 OF THE PLASMA MEMBRANE CALCIUM ATPASE
Cartwright, EJ; Baudoin, F; Oceandy, D; Prehar, S; Zi, M; Neyses, L
University of Manchester, Manchester, United Kingdom

035
PLASMA MEMBRANE CALCIUM ATPASE PUMP ISOFORMS 1 AND 4 DIFFERENTIALLY REGULATE HEART CONTRACTILITY
Mohamed, T; Oceandy, D; Alatwi, N; Baudoin, F; Cartwright, E; Neyses, L
University of Manchester, Manchester, United Kingdom

036
GLIMEPIRIDE TREATMENT FACILITATES THE PROTECTIVE EFFECT OF ISCHAEMIC PRECONDITIONING IN THE DIABETIC HEART
Hausenloy, DJ; Wynne, A; Mocanu, M; Yellon, DM
The Hatter Cardiovascular Institute, UCL., London, United Kingdom

037
PRECONDITIONING AND POSTCONDITIONING: THE MITOCHONDRIAL PERMEABILITY TRANSITION PORE AS THE COMMON ENDEFFECTOR
Shiang-Yong, L; Hausenloy, DJ; Davidson, S; Yellon, DM
The Hatter Cardiovascular Institute, UCL., London, United Kingdom

Gala
08.30-10.00

Abstracts
Heart failure and cardiac transplantation
Chair: Dr Peter Cowburn and Dr Alan Struthers
State of the art: Biomarkers in heart failure
Prof Martin Cowie

038
C-TERMINAL Pro-ENDOTHELIN-1 OFFERS ADDITIONAL PROGNOSTIC INFORMATION WITH NTproBNP IN PATIENTS FOLLOWING ACUTE MYOCARDIAL INFARCTION. THE LEICESTER ACUTE MYOCARDIAL INFARCTION PEPTIDE (LAMP) STUDY
Khan, SQ1; Dhillon, O1; Struck, J2; Quinn, P1; Morgenthaler, NP; Squire, IP; Davies, J1; Bergmann, AP; Ng, LL1
1. University of Leicester, Leicester, United Kingdom; 2. Brahms AG, Hennigsdorf/Berlin, Germany; 3. University of Leicester, Leicester, Germany

039
PLASMA MMP-9 AND TIMP-1: NOVEL MARKERS OF LV DYSFUNCTION AND ADVERSE PROGNOSIS AFTER ACUTE MYOCARDIAL INFARCTION IN MAN
Kelly, DJ1; Thompson, M2; Samani, NJ2; Khan, SQ1; Cockerill, G2; Ng, LL1; Squire, IB1
1. University Hospitals Leicester, Leicester, United Kingdom; 2. St George’s Hospital Medical School, London, United Kingdom

040
THE CRITICAL ROLE OF ERBB2 IN HUMAN LEFT VENTRICULAR REMODELLING DUE TO PRESSURE OR VOLUME OVERLOAD
Jin, XY1; Hu, JT2; Pezzella, F3; Pepper, JR3
1. John Radcliffe Hospital, Oxford, United Kingdom; 2. NDCLS, Oxford University, Oxford, United Kingdom; 3. Royal Brompton Hospital, London, United Kingdom
041
THE EFFECT OF INTRODUCING DIURETICS IN COMPENSATED PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION ON QUALITY OF LIFE, PLASMA BNP LEVELS, NBNP LEVELS AND PEAK OXYGEN CONSUMPTION: RESULTS FROM A DOUBLE BLIND PLACEBO CONTROLLED CROSS-OVER STUDY
Gupta, S1; Gandhi, N1; Waywell, C1; Clayton, N1; Copping, T1; Ng, LL2; Brooks, NH1; Neyses, L3
1. Wythenshawe Hospital, Manchester, United Kingdom; 2. Leicester Royal Infirmary, Leicester, United Kingdom; 3. University of Manchester, Manchester, United Kingdom

042
IS DIASTOLIC HEART FAILURE A MYTH?
Townsend, M1; Maclver, DH2
1. Bristol royal infirmary, North Somerset, United Kingdom; 2. Taunton and Somerset NHS Trust, Taunton, United Kingdom

043
PREVALENCE OF HEART FAILURE PRESERVED EJECTION FRACTION IN THE COMMUNITY
Mahadevan, G; Williams, LK; Campbell, RI; Palin, T; Weaver, R; Marsh, A; Hobbs, FDR; Frenneaux, MP
University of Birmingham, Birmingham, United Kingdom

044
CARDIORESPIRATORY CONTROL INSTABILITY IN HEART FAILURE – DOES THE CHEMOREFLEX SHOW ADAPTATION OR ARE WE MISSING THE POINT?
Manisty, CH1; Jaisval, S2; Davies, JE1; Hadjiloizou, N1; Hughes, AD1; Mayet, J1; Willson, K1; Francis, DP1
1. International Centre for Circulatory Health, Imperial College and St. Mary’s Hospital, London, United Kingdom; 2. Imperial College, London, United Kingdom

Leven
08.30-10.00
Abstracts
Nuclear, MRI and CT
Chair: Dr David Dutka and Dr Richard Steeds
State of the art: New imaging for ischaemic heart disease
Dr Charles Peebles

045
CARDIOVASCULAR MAGNETIC RESONANCE PERFUSION IMAGING AT 3 TESLA FOR THE DETECTION OF CORONARY ARTERY DISEASE: A COMPARISON WITH 1.5 TESLA
Cheng, ASH1; Pegg, TJ1; Karamitsos, TD1; Robson, MD1; Searle, N1; Jerosch-Herold, MP; Choudhury, RP1; Banning, AP1; Selvanayagam, JB3
1. John Radcliffe Hospital/Department of Cardiovascular Medicine, Oxford, United Kingdom; 2. Advanced Imaging Research Center, Oregon Health & Science University, Portland, Oregon, United States; 3. John Radcliffe Hospital/Department of Cardiovascular Medicine, University of Oxford, Oxford, United Kingdom

046
CAN FALSE POSITIVE AND NEGATIVE FIRST PASS MYOCARDIAL PERFUSION MRI SCANS BE EXPLAINED BY CORONARY PHYSIOLOGICAL MEASUREMENTS?
Watkins, S1; Steedman, T1; Lyne, J1; Foster, J1; Ford, I3; Dargie, HJ1; Oldroyd, KG1
1. Western Infirmary, Glasgow, United Kingdom; 2. Royal Brompton Hospital, London, United Kingdom; 3. University of Glasgow, Glasgow, United Kingdom

047
ISCAHEMIA AND SCAR BURDEN AFTER ACUTE MYOCARDIAL INFARCTION
Plein, S; Younger, J; Sparrow, P; Ridgway, J; Sivananthan, M; Ball, S; Greenwood, J
University of Leeds, Leeds, United Kingdom

048
31P CARDIAC MAGNETIC RESONANCE SPECTROSCOPY DURING PHYSIOLOGICAL LEG EXERCISE AT 3 TESLA
Hudsmith, LE1; Tyler, DJ1; Emmanuel, Y1; Francis, JM1; Petersen, SE1; Clarke, KI; Watkins, H1; Robson, MD1; Neubauer, S1
1. Department of Cardiovascular Medicine, University of Oxford, Oxford, United Kingdom; 2. Department of Physiology, Anatomy, and Genetics, University of Oxford, Oxford, United Kingdom
049  NEGATIVE MULTI-DETECTOR CORONARY CTA IN SYMPTOMATIC PATIENTS CONFFS A GOOD ONE YEAR PROGNOSIS
van Lingen, R; Manghat, N; Kakani, N; Roobottom, C; Morgan-Hughes, G
Derriford Hospital, Plymouth, United Kingdom

050  LONG-TERM CORONARY ARTERY BYPASS GRAFT PATENCY AS ASSESSED BY MULTISLICE COMPUTED TOMOGRAPHY, QUALITY OF LIFE AND ADVERSE EVENTS IN PATIENTS RANDOMISED TO ON AND OFF-PUMP SURGERY
Smith, DK; Murphy, G; Reeves, BC; Culliford, L; Rogers, C; Coles, DR; Baumbach, A; Angelini, GD
1. Gloucestershire Royal Hospital NHS Trust, Gloucester, United Kingdom; 2. Bristol Royal Infirmary, Bristol, United Kingdom; 3. Bristol Heart Institute, Bristol, United Kingdom; 4. Barnstaple Hospital, Barnstaple, United Kingdom

051  THE 2 YEAR FOLLOW UP OF 410 PATIENTS PRESENTING TO A DISTRICT GENERAL HOSPITAL WITH CHEST PAIN AND A CT CORONARY CALCIUM SCORE OF ZERO
Keeble, TR; Hague, A; Powles, S; Thain, A; Smith, EJ; Prasad, R; Mazhar, S; Nageh, T; Kelly, P; Khokhar, A
1. Southend Hospital, Southend, United Kingdom; 2. London Chest Hospital, Bethnal Green, United Kingdom

Exhibition break 10.00-11.00
Moderated Posters
Basic Science
Chair: Prof Barbara Casadei and Prof Ajay Shah

052  A POTENTIAL ROLE FOR OSTEOPROTEGERIN IN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION.
Lawrie, Allan; Suntharalingham, J; Southwood, M; Francis, SE; Crossman, DC; Morrell, NW; Newman, CM
1. University of Sheffield, Sheffield, United Kingdom; 2. University of Cambridge, Cambridge, United Kingdom

053  THE NOVEL PEPTIDE, APELIN, IS A VASODILATOR IN VIVO IN MAN
Japp, AG; Li, VKY; Cruden, NL; Flapan, AD; Newby, DE
1. University of Edinburgh, Edinburgh, United Kingdom; 2. Western General Hospital, Edinburgh, United Kingdom; 3. Royal Infirmary of Edinburgh, Edinburgh, United Kingdom

054  NF-κB INHIBITION BY BLOCKADE OF IKK-2 AND MYD88 IN VEIN GRAFT SMOOTH MUSCLE CELLS REDUCES THE EXPRESSION OF KEY MEDIATORS OF INTIMAL HYPERPLASIA
Finch, JR; Navin, T; Gregan, SM; Foxwell, B; Haskard, DO; Monaco, C; Hornick, PH
1. NHLI, Imperial College London, London, United Kingdom; 2. Cytokine Biology of Vessels, Kennedy Institute of Rheumatology, Imperial College London, London, United Kingdom; 3. Kennedy Institute of Rheumatology, Imperial College London, London, United Kingdom; 4. Department of Cardiothoracic Surgery, Hammersmith Hospital, London, United Kingdom

055  HYPERGLYCAEMIA REDUCES ENDOTHELIAL PROGENITOR CELL ADHERENCE AND DIFFERENTIATION IN VITRO
Moore, JS; Whittaker, A; Vasa, M; Samani, NJ
Department of Cardiovascular Sciences, University of Leicester, Leicester, United Kingdom

056  DISCORDANT RESPONSE TO EXERCISE TRAINING IN NNOS KNOCKOUT MICE: DIFFERENTIAL ROLE OF NNOS ON EXERCISE PERFORMANCE VERSUS CARDIAC HYPERTROPHY
de Bono, JP; Adlam, D; Zhang, MH; Paterson, DP; Casadei, B; Channon, KM
1. Department of Cardiovascular Medicine, University of Oxford, Oxford, United Kingdom; 2. Department of Physiology, Anatomy and Genetics, University of Oxford, Oxford, United Kingdom

057  WHITE BLOOD CELL TELOMERE LENGTH IS ASSOCIATED WITH LEFT VENTRICULAR FUNCTION IN THE OLDEST OLD: THE NEWCASTLE 85+ STUDY
Collerton, JC; Martin-Ruiz, CM; Kenny, MA; Barrass, K; von Zglinicki, T; Kirkwood, TBL; Keavney, B
1. Newcastle University, Newcastle upon Tyne, United Kingdom; 2. Freeman Hospital, Newcastle upon Tyne, United Kingdom
058
A PROSPECTIVE, MULTI-CENTRE CLINICAL TRIAL TO EVALUATE THE BIOSTAR BIOABSORBABLE SEPTAL REPAIR IMPLANT FOR THE CLOSURE OF ATRIAL LEVEL SHUNTS (1 YEAR FOLLOW UP).
Mullen, MJ; Hildick-Smith, DJ; De Giovanni, J; Duke, C; Hillis, ST; Morrison, L; Jux, C
1. Royal Brompton Hospital, London, United Kingdom; 2. Royal Sussex County Hospital, Brighton, United Kingdom; 3. Children’s Hospital Birmingham, Birmingham, United Kingdom; 4. Glenfield Rd Hospital, Leicester, United Kingdom; 5. Western Infirmary, Glasgow, United Kingdom; 6. Cardiologist Centre, Liverpool, United Kingdom; 7. Georg-August University, Goettingen, Germany

059
A PROSPECTIVE, MULTICENTRE, RANDOMISED, DOUBLE BLIND, PLACEBO-CONTROLLED TRIAL TO EVALUATE THE EFFICACY OF PATENT FORAMEN OVALE CLOSURE WITH THE STARFLEX® SEPTAL REPAIR IMPLANT TO PREVENT REFRACTORY MIGRAINE HEADACHES: THE MIST TRIAL.
Dowson, AJ
King’s College Hospital, London, United Kingdom

060
COREVALVE PERCUTANEOUS AORTIC VALVE REPLACEMENT: NORTH AMERICAN EXPERIENCE
Berry, C; Asgar, A; Marcheix, BP; Lamarche, Y; Denault, AY; Basmadjian, Arsené; Ducharme, A; Laborde, JC; Bonan, R
1. University of Glasgow, Glasgow, United Kingdom; 2. Montreal Heart Institute, Montreal, Canada

061
INCIDENCE OF RADIAL ARTERY ANATOMICAL VARIATION IN PATIENTS UNDERGOING TRANSRADIAL CORONARY ANGIOGRAPHY AND INTERVENTION: INFLUENCE ON PROCEDURAL OUTCOME
Lo, TSN; Fountzopoulos, E; Butler, R; Hetherington, SL; Zaman, A; Perera, D; Nolan, J; Hildick-Smith, D
1. University Hospital of North Staffordshire, Stoke-on-Trent, United Kingdom; 2. Freeman Hospital, Newcastle-upon-Tyne, United Kingdom; 3. Brighton and Sussex University Hospital, Brighton, United Kingdom

062
PHYSIOLOGICAL ADAPTATION TO ACUTE RELIEF OF ADVERSE RIGHT VENTRICULAR LOADING CONDITIONS
Coats, L; Khammadone, S; Derrick, G; Deanfield, JE; Bonhoeffer, P; Taylor, AM
Great Ormond Street Hospital for Children, London, United Kingdom

063
EFFECTS OF GLYCERYL TRINITRATE TO LOWER CENTRAL ARTERIAL PRESSURE RELATE TO ARTERIAL VASODILATION RATHER THAN REDUCTION IN PRE-LOAD
Seddon, M; Liu, B; Jiang, B; Chowienczyk, P
Cardiovascular Division, King’s College School of Medicine at Guy’s, King’s College and St Thomas’ Hospital, London, United Kingdom

064
AUDIT OF RATE OF RECURRENCE OF ATRIAL FIBRILLATION FOLLOWING DC CARDIOVERSION
Sevant, DJ; Dr Khokhar, A
Southend Hospital, Southend, United Kingdom

065
CARDIAC REHABILITATION AND PATIENT EDUCATION FOLLOWING PRIMARY PCI
Thornley, AR; Kunadian, B; Lister, A; Turley, AJ; Moffitt, A; Close, J; Cave, M; Hall, JA; de Belder, MA
1. The James Cook University Hospital, Middlesbrough, United Kingdom; 2. University Hospital of North Durham, Durham, United Kingdom

066
CORONARY HEART DISEASE PATIENTS’ PERCEPTION OF THEIR SYMPTOMS AND SENSE OF CONTROL BEFORE HOSPITAL DISCHARGE PREDICTS THEIR QUALITY OF LIFE IN THE LONG TERM
Lau-Walker, M; Cowie, M
Imperial College, London, United Kingdom
**Forth 11.00-12.30**

Society for Cardiological Science and Technology (SCST)

**Cardiac physiologists and ACHD – session 1**

Chair: Mr Peter Lewis

**Adult congenital heart disease (ACHD) – today and tomorrow**

Dr Catherine Head

**Pulmonary valve replacement post calcification of pulmonary homograft – a case study**

Mr Pascal Browne

**Exercise in adult congenital heart disease**

Ms Katy Stewart and Prof Stewart Hillis

**Development of the normal human heart**

Dr Deborah Henderson

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**Alsh 11.00-12.45**

Young Research Workers’ Prize

Chair: Prof Nilesh Samani

Judges: Prof Anna Dominiczak, Dr Adam Fitzpatrick, Dr Giovanni Mann, Prof Martin Rothman, Dr Jonathan Townend

Finalists:

**Basic science**

A  P Dhillon

B  K Lee

C  P Robinson

**Clinical science**

D  I Gudmundsdottir

E  J Jarman

F  S Peterson

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**Lomond 11.00-12.30**

Debate: Prophylactic antibiotic therapy to prevent endocarditis after dental procedures is unnecessary and inappropriate

Chair: Dr Nicholas Boon and Dr Bernard Prendergast

For: Prof Graham Roberts

Against: Dr David Ramsdale

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**Hall 1 11.00-12.30**

British Society of Cardiovascular Magnetic Resonance (BSCMR)

British Society for Heart Failure (BSH)

Workshop

When cardiovascular magnetic resonance (CMR) makes the difference – cases in heart failure: read with the experts

Chair: Prof Henry Dargie and Prof Dudley Pennell

**Case presenters:**

Prof Henry Dargie

Prof Stefan Neubauer

Prof Dudley Pennell

Dr Sven Plein

Prof Reza Razavi

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**A STUDY OF THE RELATIONSHIP BETWEEN GAP JUNCTION EXPRESSION, CONDUCTANCE, AND CONDUCTION VELOCITY IN INTACT MYOCARDIUM**

Dhillon, PS; Shipolini, A; Tsang, V; Fry, CH; Peters, NS

1. St Mary's Hospital, Imperial College, London, United Kingdom; 2. The London Chest, Queen Mary and Westfield College, London, United Kingdom; 3. The Heart Hospital, University College, London, United Kingdom; 4. University College, London, United Kingdom
Boisdale 11.00-12.30

Abstracts
Audit guidelines and epidemiology
Chair: Prof John McMurray and Prof Tom Quinn

70
IMPROVING PROGNOSIS IN HEART FAILURE: TRENDS IN INCIDENT HOSPITALISATION FOR HEART FAILURE AND SUBSEQUENT SURVIVAL BETWEEN 1986 AND 2003
Jhund, PS1; MacIntyre, K1; Bishop, J1; Redpath, A1; Chalmers, J1; Capewell, S3; McMurray, JJV1
1. University of Glasgow, Glasgow, United Kingdom; 2. ISD Scotland, Edinburgh, United Kingdom; 3. University of Liverpool, Liverpool, United Kingdom

071
MULTI MODEL DIAGNOSTIC TESTS TO ASSESS HEART FAILURE USING ECG, CHEST X-RAY and ECHOCARDIOGRAM IN PATIENTS WITH SUSPECTED HEART FAILURE
Khan, NK1; Goode, KM1; Rigby, AS1; Torabi, A1; Clark, AL1; Freemantle, N2; Swedberg, K3; Komajda, M4; Follath, F5; Cleland, JGF1
1. University of Hull, Hull, United Kingdom; 2. University of Birmingham, Birmingham, United Kingdom; 3. Dept of Medicine Sahlgrenska University Hospital, Göteborg, Sweden; 4. CHU Pitéî-Salpetrière, Paris, France; 5. Dept of Internal Medicine University Hospital, Zurich, Switzerland

072
INCIDENT ATRIAL FIBRILLATION AND NEW HEART FAILURE: THE CHICKEN OR THE EGG? INSIGHTS FROM THE IMPERIAL COLLEGE NEW AF STUDY
Martins, JL1; Fox, KF1; Wood, DA1; Leffroy, DC1; Collier, TJ2; Peters, NS1
1. Imperial College, London, United Kingdom; 2. London School of Hygiene & Tropical Medicine, London, United Kingdom

073
VERY HIGH PREVALENCE OF SLEEP APNOEA SYMPTOMS IN PATIENTS WHO HAVE UNDERGONE ELECTIVE ELECTRICAL CARDIOVERSION FOR ATRIAL FIBRILLATION
Haddadin, F1; Swamydass, D1; Thomas, SE1; Rees, GM1; Avery, PG1; Lewis, KE2
1. Carmarthenshire NHS Trust, Swansea, United Kingdom; 2. Swansea School of Medicine and Carmarthenshire NHS Trust, Swansea, United Kingdom

B
GENOME-WIDE CELL-SPECIFIC EXPRESSION ANALYSIS IDENTIFIES THE INVOLVEMENT OF THE ADIPOCYTOKINE SIGNALING PATHWAY IN ATHEROSCLEROTIC PLAQUE RUPTURE
Lee, K1; Polvikoski, T2; Birchall, D2; Santibanez-Koref, M3; Mendelow, AD3; Keavney, B3
1. Institute of Human Genetics, University of Newcastle upon Tyne, Newcastle upon Tyne, United Kingdom; 2. Regional Neurosurgical Centre, Newcasle General Hospital, Newcastle upon Tyne, United Kingdom; 3. Institute of Human Genetics, University of Newcastle upon Tyne, Newcastle upon Tyne, United Kingdom

C
HYPERTROPHIC AND DILATED CARDIOMYOPATHY-CAUSING MUTATIONS OF TROPONIN AND α-TROPOMYOSIN HAVE OPPOSITE EFFECTS ON THIN FILAMENT CALCIUM BINDING
Robinson, P; Watkins, H; Redwood, C
University of Oxford, Oxford, United Kingdom

D
DIRECT VASCULAR EFFECTS OF THROMBIN RECEPTOR ACTIVATION IN VIVO IN MAN
Gudmundsdottir, II; Ludlam, CA; Webb, DJ; Fox, KAA; Newby, DE
University of Edinburgh, Edinburgh, United Kingdom

E
NOVEL OBSERVATION OF REGIONS OF HIGHLY ORGANISED ACTIVATION AND STABLE FREQUENCY DURING CHRONIC ATRIAL FIBRILLATION IN THE HUMAN LEFT ATRIUM: DO THEY REPRESENT FIXED DRIVERS?
Jarman, JWE; Wong, T; Spohr, H; Kojodjojo, P; Davies, JE; Segal, OR; Francis, DP; Davies, DW; Markides, V; Peters, NS
St Marys Hospital & Imperial College, London, United Kingdom

F
EVIDENCE FOR MICROVASCULAR DYSFUNCTION IN HYPERTROPHIC CARDIOMYOPATHY – NEW INSIGHTS FROM MULTI-PARAMETRIC MAGNETIC RESONANCE IMAGING
Petersen, SE1; Jerosch-Herold, M2; Hudsmith, LE1; Francis, JM1; Selvanayagam, JB1; Neubauer, S1; Watkins, H1
074
PREVALENCE OF DEPRESSION AND ANXIETY AMONG PATIENTS WITH ATRIAL FIBRILLATION: EFFECTS ON SIX-MONTH QUALITY OF LIFE
Thrall, G1; Lane, DA1; Carroll, D2; Lip, GYH1
1. University Department of Medicine, City Hospital, Birmingham, United Kingdom; 2. University of Birmingham, Birmingham, United Kingdom

075
THE ROLE OF MODERATE ALCOHOL INTAKE IN FIRST DETECTED ATRIAL FIBRILLATION: THE IMPERIAL COLLEGE NEW AF STUDY
Martins, JL1; Fox, KF1; Wood, DA1; Lefroy, DC1; Collier, TJ1; Peters, NS1
1. Imperial College, London, United Kingdom; 2. London School of Hygiene & Tropical Medicine, London, United Kingdom

076
THE EFFECT OF OBSTRUCTIVE SLEEP APNOEA ON LEFT ATRIAL AND LEFT VENTRICULAR STRUCTURE
Kesavan, S; Green, R; Mansfield, R
Royal United Hospital Bath NHS Trust, Bath, United Kingdom

077
PREVALENCE OF HYPERTROPHIC CARDIOMYOPATHY IN ELITE ATHLETES
Basavarajaiah, S1; Wilson, M2; Carby, L3; Shah, A1; Sharma, S1
1. Kings College Hospital, London, United Kingdom; 2. University hospital Lewisham, London, United Kingdom

078
PREVALENCE OF CARCINOID HEART DISEASE IN THE MODERN ERA
Bhattacharyya, S1; Toumpanakis, C2; Caplin, M2; Davar, J1
1. Department of Cardiology, Royal Free Hospital, London, United Kingdom; 2. Neuroendocrine Tumour Unit, Royal Free Hospital, London, United Kingdom

Carron

Abstracts
Audit guidelines and epidemiology
Chair: Dr Ameet Bakhai and Dr Howard Swanton

079
RISK STRATIFICATION IN REAL-WORLD ACUTE CORONARY SYNDROMES: DO CONVENTIONAL METHODS PREDICT EXTENT OF CORONARY ARTERY DISEASE AND NEED FOR REVASCULARISATION?
Johnson, TW; Dorman, S; West, NEJ
Gloucestershire Hospitals Foundation NHS Trust, Gloucester, United Kingdom

080
CONTEMPORARY ST ELEVATION MYOCARDIAL INFARCTION MANAGEMENT: RESULTS OF A HYBRID LYTIC PROGRAM ARE EQUIVALENT TO PRIMARY PCI.
Freestone, B; Shufflebotham, A; Fountzopoulos, E; Lo, TS; Butler, R; Gunning, MG; Nolan, J
University Hospital of North Staffordshire, Stoke-on-Trent, United Kingdom

081
MANAGEMENT OF REPAIRED AND NATIVE MATERNAL AORTIC COARCTATION DURING PREGNANCY
Bowater, SE1; Hudsmith, LE1; Knox, E2; Clift, PF1; Thompson, P1; Thorne, SA1
1. University Hospital Birmingham, Birmingham, United Kingdom; 2. Birmingham Women’s Hospital, Birmingham, United Kingdom

082
TRAINING BASIC LIFE SUPPORT TO SCHOOL CHILDREN USING MEDICAL STUDENTS AND TEACHERS IN A ‘PEER-TRAINING’ MODEL – RESULTS OF THE ‘ABC FOR LIFE’ PROGRAMME
Toner, P1; Connolly, M2; Laverty, L3; McGrath, P3; Connolly, D2; McCluskey, DR4
1. Craigavon Area Hospital, Craigavon, United Kingdom; 2. Antrim Area Hospital, Antrim, United Kingdom; 3. Queen’s University Belfast, Belfast, United Kingdom; 4. Royal Victoria Hospital, Belfast, United Kingdom
Programme

Dochart 11.00-12.30
Abstracts
Paediatric, adult congenital heart disease and valve disease
Chair: Dr Kate English and Dr Graham Stuart

088
INFANT ASSESSMENT FOR CARDIAC TRANSPLANTATION
Kirk, CR; Hasan, A; Parry, G; Cassidy, J; Wrightson, N
Freeman Hospital, Newcastle upon Tyne, United Kingdom

089
PLANAR CELL POLARITY SIGNALLING PLAYS CRUCIAL ROLES IN OUTFLOW TRACT DEVELOPMENT
Henderson, DJ; Phillips, HM
Institute of Human Genetics, Newcastle University, Newcastle upon Tyne, United Kingdom

090
PREDICTION OF FETAL COARCTATION OF THE AORTA FROM THE THREE VESSEL AND TRACHEAL VIEW
Matsui, H1; Pasquini, L1; Seale, A2; Mellander, M2; Roughton, M2; Ho, SY2; Gardiner, HM1
1. Faculty of Medicine, Imperial College at Queen Charlotte’s & Chelsea Hospital, London, United Kingdom; 2. Royal Brompton Hospital, London, United Kingdom

091
THE IMPACT OF PERCUTANEOUS ATRIAL SEPTAL DEFECT CLOSURE IN THE OLDER POPULATION
Khan, A; Tan, J; Li, W; Spence, M; Mullen, M
Royal Brompton Hospital, London, United Kingdom
093
ARRHYTHMIA BURDEN IN ADULTS WITH CONGENITAL HEART DISEASE IN A LEVEL 2 GUCH CENTRE
Felix, PAM; Howard, S; Freeman, LJ
Norfolk and Norwich University Hospital NHS Trust, Norwich, United Kingdom

094
ROLE OF MODIFIED VALSALVA MANOEUVR E IN THE DIAGNOSIS OF PATENT FORAMEN OVALE BY TRANSOESOPHAGEAL ECHOCARDIOGRAPHY
Velupandian, UM1; Khiani, R1; Ray, SG2; Morris, J2; Heagerty, AM1; McCollum, CN1
1. University of Manchester, Manchester, United Kingdom; 2. South Manchester University Hospital, Manchester, United Kingdom

095
THE TIME COURSE OF IMPROVEMENT IN ECG STRAIN PATTERN AFTER AVR FOR AS AND ITS UNDERLYING MECHANISMS
Du, X; Jin, XY
John Radcliffe Hospital, Oxford, United Kingdom

096
LEFT DOMINANT CORONARY ARTERIAL SYSTEM IN AORTIC STENOSIS – AN ASSOCIATION, CAUSE OR EFFECT
Innasimuthu, AL1; Morris, G2; Rao, GK1; Fox, JP2; Pery, RA4
1. University Hospital Aintree, Liverpool, United Kingdom; 2. Division of Cardiovascular and Endocrine Sciences, University of Manchester, Manchester, United Kingdom; 3. Southport and Ormskirk NHS Trust, Southport, United Kingdom; 4. The Cardiothoracic Centre, Liverpool, United Kingdom

Gala 11.00-12.30

Abstracts

Heart failure and cardiac transplantation
Chair: Prof John Cleland and Prof Chim Lang

097
IS HEART FAILURE A PROCESS OF RELENTLESS PROGRESSIVE VENTRICULAR REMODELLING AND FUNCTIONAL DETERIORATION?
Lewis, NT; Barker, D; Schlosshan, D; Tan, LB
Leeds General Infirmary, Leeds, United Kingdom

098
LEFT VENTRICULAR REVERSE REMODELLING AFTER CARDIAC RESYNCHRONISATION THERAPY IN HEART FAILURE PATIENTS WITH A NARROW QRS DURATION
Williams, LK1; Ellery, SM3; Stegemann, B3; Patel, KC1; Leyva, F4; Paul, V5; Frenneaux, MP1
1. University of Birmingham, Birmingham, United Kingdom; 2. St Peters Hospital, Chertsey, United Kingdom; 3. Medtronic Bakken Research Centre, Maastricht, United Kingdom; 4. Good Hope Hospital, Birmingham, United Kingdom; 5. St Peters Hospital, Chertsey, United Kingdom

099
MEDIUM-TERM ECHOCARDIOGRAPHIC ASSESSMENT OF HEART FAILURE PATIENTS IMPLANTED WITH AN AXIAL FLOW LVAD
Jin, XY1; Westaby, S1; Pepper, JR2; Poole-Wilson, P2; Banning, A1
1. John Radcliffe Hospital, Oxford, United Kingdom; 2. Royal Brompton Hospital, London, United Kingdom

100
COMMON ABNORMALITIES OF INSULIN ACTION IN PATIENTS WITH DIABETES AND HEART FAILURE
Cook, SA1; Khan, T1; Mongillo, M1; Leccisotti, L1; Strickland, N1; Rosenzweig, A2; Punjabi, P1; Camici, P1
1. Imperial College, London, United Kingdom; 2. Harvard University, Boston, United States

101
THE RISK ASSOCIATED WITH DIABETES MELLITUS IN PATIENTS WITH PRESERVED AND LOW EJECTION FRACTION HEART FAILURE: AN ANALYSIS OF THE CANDESARTAN IN HEART FAILURE ASSESSMENT OF REDUCTION IN MORTALITY AND MORBIDITY (CHARM) PROGRAM
MacDonald, MR1; Varyani, F2; Carlsson, J1; Petrie, MC1; Ostergren, J2; Michelson, EL3; Solomon, SD4; Granger, CB5; Swedberg, K6; Pfeffer, M7; Yusuf, S8; McMurray, JJV2
1. Glasgow Royal Infirmary, Glasgow, United Kingdom; 2. Western Infirmary, Glasgow, United Kingdom; 3. Astrazeneca, Molndal, Sweden; 4. Karolinska Hospital, Stockholm, Sweden; 5. Astrazeneca, Wilmington, United States; 6. Brigham & Women’s Hospital, Boston, United States; 7. Duke University Medical Center, Durham, United States; 8. Sahlgrenska University Hospital, Goteborg, Sweden; 9. HGM-McMaster Clinic, Hamilton, Canada

102
IRON METABOLISM IS IMPAIRED IN HEART FAILURE IRRESPECTIVE OF HAEMOGLOBIN CONCENTRATION AND LEFT VENTRICULAR EJECTION FRACTION
Murphy, CL1; Lundmark, EM2; Fitzsimons, EJ3; Jardine, AG3; Sattar, N4; McMurray, JJV1
1. Glasgow Cardiovascular Research Centre, Glasgow, United Kingdom; 2. Western Infirmary, Glasgow, United Kingdom; 3. University Of Glasgow, Glasgow, United Kingdom
EFFECT OF INTRAVENOUS IRON SUCROSE ON EXERCISE TOLERANCE IN ANAEMIC AND NON-ANAEMIC PATIENTS WITH SYMPTOMATIC CHRONIC HEART FAILURE AND IRON DEFICIENCY (FERRIC-HF): A RANDOMISED, CONTROLLED, OBSERVER-BLIND TRIAL

Okonko, DO1; Greszlo, A2; Witkowski, T3; Mandal, AKJP; Slater, RM2; Roughton, M1; Foldes, G1; Banasiak, W3; Missoures, CG1; Poole-Wilson, PA1; Anker, SD1; Ponikowski, P2

1. Clinical Cardiology, NHLI, Imperial College London, London, United Kingdom; 2. Cardiac Department, Military Hospital, Wroclaw, Poland; 3. Department of Cardiology, Wexham Park Hospital, Slough, United Kingdom; 4. Department of Cardiology, Charité Campus Virchow-Klinikum, Berlin, Germany

HEART TRANSPLANTATION IN THE CURRENT ERA – A 10-YEAR PERSPECTIVE

Hamour, IM; Omar, F; Panicker, MG; Banerjee, R; Mitchell, AG; Khaghanini, A; Dreyfus, GD; Banner, NR

The Royal Brompton and Harefield NHS Trust, Harefield Hospital, Harefield, United Kingdom

THE CHANGING RISK/BENEFIT RATIO OF ENDOMYOCARDIAL BIOPSIES WITH IMPROVED IMMUNOSUPPRESSION AFTER HEART TRANSPLANTATION

Hamour, IM1; Panicker, MG2; Banerjee, R1; Bell, AD1; Burke, MM1; Banner, NR1

1. The Royal Brompton and Harefield NHS Trust, Harefield Hospital, Harefield, Middlesex, United Kingdom; 2. The Royal Brompton and Harefield NHS Trust, Harefield Hospital, Harefield, Middleshire, United Kingdom

Leven 11.00-12.30

Abstracts

Medical treatment of coronary artery disease and acute coronary syndromes (not intervention)

Chair: Dr Mark De Belder and Dr John Townend

THE ROLE OF SECONDARY PREVENTION STRATEGIES IN PATIENTS WITH DIABETES MELLITUS SUSTAINING AN ACUTE CORONARY SYNDROME: TIME FOR A CRITICAL REAPPRAISAL?

Cubbon, RM1; Rajwani, A1; Grant, PJ1; Wheatcroft, SB1; Barth, JH1; Kearney, MT1; Hall, AS1

1. The University of Leeds, Leeds, United Kingdom; 2. Leeds General Infirmary, Leeds, United Kingdom

COST EFFECTIVENESS OF EZETIMIBE CO-ADMINISTRATION VS DOUBLING STATIN DOSE IN PATIENTS NOT AT CHOLESTEROL TARGETS ON STATIN MONOTHERAPY IN THE UK

Brady, AJB1; Davies, GM2; Urdahl, H3; Yin, D4; Alemao, E4; Cook, J1

1. Department of Medical Cardiology, Glasgow Royal Infirmary, Glasgow, United Kingdom; 2. Health Economics Statistics, Merck and Co., Upper Gwynedd, PA, United States; 3. Outcomes Research, MSD, Hoddesdon, Hertfordshire, United Kingdom; 4. Outcomes Research, Merck and Co., Whitehouse Station, United States

MINOR TROPONIN T RISE IN NEW ONSET ATRIAL FIBRILLATION SIGNIFICANTLY INCREASES FUTURE CARDIOVASCULAR RISK

Dhawan, A; Garanraj, L; Khan, SQ; Ahmad, I; Singh, J; Malik, N; Lewis, PS

Stepping Hill Hospital, Stockport, United Kingdom
112
TROPONIN ELEVATION IN NON-ACUTE CORONARY SYndromes: OXVASC DATA
Ryding, ADS1; Silver, LE2; Banning, AP1; on behalf the OXVASC study3
1. John Radcliffe Hospital, Oxford, United Kingdom; 2. OXVASC study, Radcliffe Infirmary, Oxford, United Kingdom; 3. Radcliffe Infirmary, Oxford, United Kingdom

113
HEART RATE LOWERING ACTION OF IVABRADINE DEPENDS ON BASELINE HEART RATE: MECHANISM OF LOW INCIDENCE OF EXCESSIVE BRADYCARDIA DURING THERAPY WITH IVABRADINE
Savelieva, I1; Borer, JS2; Camm, AJ1
1. St George’s University of London, London, United Kingdom; 2. Weill Medical College, Cornell University, New York, United States

114
EVIDENCE FOR A STRONG ANTIARRHYTHMIC EFFECT OF SPIRONOLACTONE IN PATIENTS WITH CORONARY ARTERY DISEASE BUT WITHOUT HEART FAILURE
Shah, NC1; Donnan, PD2; Pringle, SD3; Struthers, AD1
1. University of Dundee / Ninewells Hospital, Dundee, United Kingdom; 2. University of Dundee, Dundee, United Kingdom; 3. Ninewells Hospital, Dundee, United Kingdom

Clyde 12.00-13.00
British Association for Nursing in Cardiac Care (BANCC)
BANCC AGM
Annual review, incoming President and Council

Exhibition break 12.30-14.00

Lomond 12.45-13.45
Sponsored symposium
Sponsored by Pfizer
Debate: Cholesterol targets of 4 and 2mmol/L should be national policy for patients with established cardiovascular disease
Chair: Prof Neil Poulter
For: Dr Anthony Wierzbicki
Against: Dr James Moon

Hall 1 12.45-13.45
Sponsored symposium
Sponsored by Schering Plough/MSD
Balance: the art of cholesterol management
Chair: Dr Adrian Brady
Tailoring treatment to optimise clinical outcomes
Prof John Kastelein
Striking the balance: cholesterol synthesis and absorption
Dr Clive Weston
Audience and panel discussion

Boisdale 12.45-13.45
How to find new genes for cardiovascular disease (and why it is important)
Chair: Prof Jeremy Pearson
Cohort selection for human studies
Dr Bernard Keavney
Genome-wide transcript profiling and linkage analysis
Prof Timothy Altman

Carron 12.45-13.45
How to select cases for percutaneous closure of the inter-atrial septum
Chair: Dr Simon Ray
Patent foramen ovale
Dr David Northridge
Atrial septal defect
Dr David Hildick-Smith

Dochart 12.45-13.45
How to manage the survivors of out-of-hospital cardiac arrest
Chair: Dr Neil Davidson
Predicting neurological outcome
Dr David Swan
Cardiological assessment and treatment
Dr Neil Grubb and Dr Brian Cook
Gala  12.45-13.45
How to improve your presentation skills
Chair: Dr Huon Gray
Effective delivery
Prof John Camm
Preparing a powerpoint presentation
Dr Anthony Gershlick

Clyde  14.00-15.30
British Association for Nursing in Cardiac Care (BANCC)
Inequalities and cardiovascular disease

British Association for Nursing in Cardiac Care (BANCC)
Heart Care Partnership UK (HCP UK)
British Association for Cardiac Rehabilitation (BACR)
British Heart Foundation (BHF)

Working together for women’s heart health
Chair: Mr David Geldard and Ms Michaela Nuttall
BCS working party recommendations
Dr Jane Flint
Joint implementation with cardiac network patient and carer partnerships
Ms Beth Greenaway
Will a focus on women revolutionise integrated pathway development?
Mr John Albarran
Moving forward with rehab, prehab and prevention in women
Mrs Bernie Downey
Global perspective of progress
Prof Jennifer Mieres

Lomond  14.00-15.30
British Cardiovascular Society (BCS)
European Society of Cardiology (ESC)

Acute coronary syndromes: the implementation of guidelines to clinical practice
Chair: Dr Nicholas Brooks and Prof Kim Fox
New ESC guidelines on non-ST-elevation acute coronary syndromes
Prof Jean-Pierre Bassand
PCI for ST elevation and ST depression acute coronary syndromes
Prof Petr Widimsky
New anti-thrombotic therapies in acute myocardial infarction
Dr Robert Storey
NSTEMI vs STEMI: the widening care gap
Prof Adam Timmis on behalf of the MINAP Academic Group

Hall  14.00-15.30
Heart Rhythm UK (HRUK)
Workshop
Challenges and complications in device therapy
Chair: Dr Michael Gammage and Dr Nicholas Linker
Case 1
Dr Neil Sulke
Case 2
Dr Chris Plummer
Case 3
Dr Francis Murgatroyd
Audience and panel discussion

Forth  14.00-15.30
Society for Cardiological Science and Technology (SCST)
Cardiac physiologists and ACHD – session 2
Chair: Ms Virginia Anderson
Imaging in congenital heart disease
Dr Hamish Walker
Cardiac resynchronisation therapy in congenital heart disease
Mr Stuart Lilley
Percutaneous intervention – closure devices
Dr Michael Mullen
Arrhythmias in adult congenital heart disease
Dr Derek Connelly
Audience and panel discussion
117
INEQUITY OF ACCESS TO CARDIAC PACING: RESULTS OF A NATIONAL SURVEY
McComb, JM1; Plummer, CJ1; Charles, RG2; Cunningham, MW2; Cunningham, AD2
1. Freeman Hospital, Newcastle upon Tyne, United Kingdom; 2. Central Cardiac Audit Database, London, United Kingdom

118
SAFETY OF SPIRONOLACTONE WITH ACE INHIBITORS / ANGIOTENSIN RECEPTOR BLOCKADE IN PATIENTS WITH CHRONIC KIDNEY DISEASE
Edwards, NC1; Steeds, RP2; Ferro, CJ2; Townend, JN2
1. University of Birmingham, Birmingham, United Kingdom; 2. University Hospital Birmingham, Birmingham, United Kingdom

119
A 15 YEAR AUDIT OF ACUTE TYPE A AORTIC DISSECTION – HAVE THE OUTCOMES CHANGED WITH TIME?
Narayan, P; Rogers, CA; Caputo, M; Angelini, GD; Bryan, AJ
Bristol Heart Institute, Bristol, United Kingdom

120
CARDIOVASCULAR MORTALITY IN DIALYSIS PATIENTS
Vrapi, F1; Bakhai, A1; Kabunga, P1; Buscombe, J1; Davenport, A1; Coghlan, JG1
1. Royal Free Hospital, London, United Kingdom; 2. Barnet & Chase Farm and Royal Free Hospital, London, United Kingdom

121
DOES THE LEVINE SIGN AID DIAGNOSIS OF ANGINA IN A RAPID-ACCESS CHEST PAIN CLINIC?
Wheeler, S; Halliday, A; West, NEJ
Gloucestershire Hospitals NHS Foundation Trust, Gloucester, United Kingdom

122
A REPORT ON THE REFERRAL RATE OF PATIENTS SEEN IN A RAPID ACCESS CHEST PAIN CLINIC – ARE WE CREATING WORK FOR OUR COLLEAGUES?
Tenkorang, J1; Tataree, D1; Wood, DA1; Bansi, D1; Thillainayagam, AV1; Fox, KF1
1. Imperial College, London, United Kingdom; 2. Charing Cross Hospital, London, United Kingdom
123 PROFILING ENGLISH HOSPITAL MORTALITY RATES FOR ACUTE CORONARY SYNDROMES USING THE MYOCARDIAL INFARCTION NATIONAL AUDIT PROJECT (MINAP) DATABASE
Gale, CP1; Manda, SOM2; Greenwood, D3; Gilthorpe, MS2; Weston, C3; Birkhead, J4; Batin, PD4; Hall, AS1
1. Yorkshire Heart Centre, Leeds General Infirmary, Leeds, United Kingdom; 2. Biostatistics Unit, University of Leeds, Leeds, United Kingdom; 3. Department of Cardiology, Singleton Hospital, Swansea, United Kingdom; 4. Department of Cardiology, Northampton General Hospital, Northampton, United Kingdom; 5. Department of Cardiology, Pinderfields General Hospital, Wakefield, United Kingdom

Carron 14.00-15.30
Abstracts
Interventional cardiology
Chair: Dr Adrian Banning and Dr Sarah Clarke
State of the art: Stent thrombosis
Dr Martyn Thomas

124 NO DIFFERENCE IN 2 YEARS MORTALITY BETWEEN DRUG-ELUTING STENT AND BARE-METAL STENT IMPLANTATION IN “REAL WORLD”
Alahmar, AE; Grayson, AD; Andron, M; Naji, A; Jackson, M; Palmer, ND; Perry, RA
Cardiothoracic Centre Liverpool, Liverpool, United Kingdom

125 A RANDOMISED TRIAL OF DRUG ELUTING VERSUS BARE METAL STENTS IN ACUTE ST ELEVATION MYOCARDIAL INFARCTION (DEVINE)
Pitt, JE; Reeve, M; Whittam, H; Pulikal, G; Ment, J; El Gaylani, N; Beattie, J; Murray, G; Pitt, M
Heart of England NHS Foundation Trust (Heartlands), Birmingham, United Kingdom

126 COMPARISON OF CLINICAL OUTCOMES IN SMALL VESSEL PERCUTANEOUS CORONARY INTERVENTION BEFORE AND AFTER THE INTRODUCTION OF DRUG-ELUTING STENTS
Antony, R1; Aziz, S2; Kia, R3; Grainger, R1; Stables, RH1
1. The Cardiothoracic Centre, Liverpool, United Kingdom; 2. Royal Blackburn Hospital, Blackburn, United Kingdom; 3. Aintree University Hospital, Liverpool, United Kingdom

127 LATE STENT THROMBOSIS: LONG TERM CLINICAL RESULTS OF THE ELUTES POLYMER-FREE DRUG-ELUTING STENT TRIAL
Swanson, Neil; Carver, A; Kelly, DJ; Gershlick, AH
Glenfield Hospital, Leicester, United Kingdom

128 SERUM CREATININE CONCENTRATION IS AN INDEPENDENT PREDICTOR OF LONG-TERM MORTALITY FOLLOWING PERCUTANEOUS CORONARY INTERVENTION; DRUG-ELUTING STENT IMPLANTATION REDUCES THIS RISK
Alahmar, AE; Shaw, M; Egred, M; Roberts, EB; Andron, M; Grayson, AD; Antony, R; Albouaini, K; Jackson, M; Stables, RH; Perry, A
Cardiothoracic Centre Liverpool, Liverpool, United Kingdom

129 INDIVIDUAL RESPONSES TO ASPIRIN USING A NOVEL METHOD OF THROMBELASTOGRAM ANALYSIS: HYPORESPONSIVENESS OR POOR COMPLIANCE?
Hobson, AR; Dawkins, KD; Curzen, NP
Wessex Cardiac Unit, Southampton University Hospitals Trust, Southampton, United Kingdom

130 MARKED HETEROGENEITY OF INDIVIDUAL RESPONSES TO LOADING DOSE CLOPIDOGREL EMPLOYING A NOVEL POINT OF CARE TEST
Hobson, AR; Dawkins, KD; Curzen, NP
Wessex Cardiac Unit, Southampton University Hospitals Trust, Southampton, United Kingdom

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131 RESTING MYOCARDIAL BLOOD FLOW NOT MYOCARDIAL FLOW RESERVE PREDICTS HIBERNATING MYOCARDIUM: A QUANTITATIVE MYOCARDIAL CONTRAST ECHOCARDIOGRAPHY STUDY
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Northwick Park Hospital, Harrow, United Kingdom
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Parsai, C1; Bijjens, B2; Sutherland, GR1; Baltabaeva, A1; Marciniak, M1; Marciniak, A1; Anderson, L1
1. St George’s Hospital, London, United Kingdom; 2. University of Leuven, Leuven, Belgium

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Artis, NJ1; Oxborough, DL1; Tan, LB1; Williams, G2; Pepper, CB2
1. University of Leeds, Leeds, United Kingdom; 2. Leeds General Infirmary, Leeds, United Kingdom

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Silberbauer, J1; Beale, L2; Brickley, G2; Taggu, W1; Veasey, RA1; Patel, NR1; Sulke, AN1; Lloyd, GW1
1. East Sussex Hospitals NHS Trust, Eastbourne, United Kingdom; 2. University of Brighton, Eastbourne, United Kingdom

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Dwivedi, G1; Hayat, S1; Janardhanan, R1; Ruperalia, N1; Lim, TK1; Senior, R1
1. Northwick Park Hospital, Harrow, United Kingdom; 2. Northwick Park Hospital, Harrow, United States

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Greaves, K1; Sharma, S1; Anand, R1; Bowden, J1; Ilankovan, V1; Hickman, M1; Walji, S1; Senior, R2
1. Poole Hospital, Poole, United Kingdom; 2. Northwick Park Hospital, Harrow, United Kingdom

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Wennicke, N1; Senior, R2; Greaves, K1
1. Poole Hospital, Poole, United Kingdom; 2. Northwick Park Hospital, Harrow, United Kingdom

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PARTIAL VOLUME EFFECT NOT HYPOPERFUSION IS THE CAUSE OF PERFUSION DEFECTS ON SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY IN LEFT BUNDLE BRANCH BLOCK PATIENTS WITHOUT CORONARY ARTERY DISEASE: A QUANTITATIVE MYOCARDIAL CONTRAST ECHOCARDIOGRAPHY STUDY
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Northwick Park Hospital, Harrow, United Kingdom

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Bajpai, A; Kiotsekoglou, A; Savelieva, I; Dougal, C; Rowland, E; Sutherland, GR; Camm, AJ
St George’s, University of London, London, United Kingdom

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Kirubakaran, S1; Hall, MCS1; Peters, NS2; Garratt, CJ1
1. Manchester Heart Centre, Manchester, United Kingdom; 2. Imperial College, London, United Kingdom

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Kirubakaran, S1; Hall, MCS1; Peters, NS2; Garratt, CJ1
1. Manchester Heart Centre, Manchester, United Kingdom; 2. Imperial College, London, United Kingdom
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Ahmed, Akbar K1; Rogers, DP1; Uddin, MM2; Lowe, MD1; Dhinoja, M1; Chow, AW1; Lambiase, P1
1. Heart Hospital, UCL, London, United Kingdom; 2. Kettering General Hospital, Kettering, United Kingdom

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Raine, D1; O’Sullivan, J1; Chaudhari, M1; Hamilton, L2; Hasan, A2; Bourke, JP1
1. Department of Paediatric Cardiology, Freeman Hospital, Newcastle upon Tyne, United Kingdom; 2. Department of Paediatric Cardiac Surgery, Freeman Hospital, Newcastle upon Tyne, United Kingdom

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Muadawi, TO1; Kaye, GC2; Houghton, T3; Lippert, M4; Czygan, Gerald4; Edgar, Deborah5
1. Cardio-Thoracic Centre, Liverpool, United Kingdom; 2. Princess Alexandra Hospital, Woolloongabba, Australia; 3. Hull Royal Infirmary, Hull, United Kingdom; 4. Biotronik GmbH & Co KG, Erlangen, Germany; 5. Biotronik UK, Bicester, United Kingdom

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The Cardiothoracic Centre, Liverpool, United Kingdom

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Graham, Lee1; Melton, lain2; MacDonald, Sharyn3; Crozier, Ian2
1. Yorkshire Heart Centre, Leeds General Infirmary, Leeds, United Kingdom; 2. Department of Cardiac Electrophysiology, Christchurch Hospital, Christchurch, New Zealand; 3. Department of Radiology, Christchurch Hospital, Christchurch, New Zealand

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James Cook University Hospital, Middlesbrough, United Kingdom

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Koa-Wing, M1; Kanagaratnam, P1; Wallace, D2; Lim, PB1; Willis, B3; Alton, L3; Aston, K3; Sciberras, P3; Kojodjojo, P1; Wright, M1; Kaba, RA3; Peters, NS1; Davies, DW3
1. St. Mary’s Hospital and Imperial College, London, United Kingdom; 2. Hansen Medical, Inc., Mountain View, United States; 3. St. Mary’s Hospital, London, United Kingdom

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Leeds University, Leeds, United Kingdom

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Leeds University, Leeds, United Kingdom
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Anand, D Vijay1; Lim, Eric1; Hopkins, David2; Darko, Daniel3; Lipkin, David1; Corder, Roger4; Lahiri, Avijit1
1. Cardiac Imaging and Research Centre, Welllington Hospital, London, United Kingdom; 2. Kings College Hospital, London, United Kingdom; 3. Central Middlesex Hospital, London, United Kingdom; 4. William Harvey Research Institute, London, United Kingdom

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Lim, ETS1; Ghan, F1; Jain, P1; Anand, DV1; Kooner, JS2; Lahiri, A1
1. Cardiac Imaging Dept, Wellington Hospital, London, United Kingdom; 2. Ealing Hospital, London, United Kingdom

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Flather, MD1; Rubens, M1; Godsland, IF2; Feher, MD3; Ntagara, F1; Richmond, W2; Ekeles, RS3
1. Royal Brompton Hospital, London, United Kingdom; 2. Imperial College London and St Mary's Hospital, London, United Kingdom; 3. Chelsea and Westminster Hospital, London, United Kingdom

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University of Oxford, Oxford, United Kingdom

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Smith, DK1; Negus, IS2; Hamilton, MCK2; Baumbach, A1
1. Gloucestershire Royal Hospital NHS Trust, Gloucester, United Kingdom; 2. Bristol Royal Infirmary, Bristol, United Kingdom; 3. Bristol Heart Institute, Bristol, United Kingdom

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Addenbrooke’s Hospital, Cambridge, United Kingdom

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1. Castle Hill Hospital, Kingston-Upon-Hull, United Kingdom; 2. Oregon Health Sciences University, Portland, United States; 3. University of Virginia, Charlottesville, United States
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<td>8.30</td>
<td><strong>SCTS</strong></td>
<td>▲ Echocardiography (183-191)</td>
<td>■ EP Pacemakers and devices (158-164)</td>
<td>■ Audit, guidelines and epidemiology (165-173)</td>
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<td>Exhibition break</td>
<td>Moderate posters in exhibition (208-219)</td>
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<td>11.00</td>
<td>National Cardiovascular Audits – interim results</td>
<td>BSE/BCCA/SCTS Aortic valve repair</td>
<td>■ EP Pacemakers and devices (220-228)</td>
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<td>Interventional cardiology (174-182)</td>
<td>Genetic and serum markers of disease (192-200)</td>
<td>Hypertension, pulmonary hypertension and CV pharmacology (201-207)</td>
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<td>Interventional cardiology (238-246)</td>
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<td>Vascular biology (256-264)</td>
<td>Hypertension, pulmonary hypertension and CV pharmacology (265-273)</td>
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- **Heart Failure**
- **Electrophysiology/pacing**
- **Intervention**
- **Imaging**
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1. Regional Medical Cardiology Centre, Royal Victoria Hospital, Belfast, United Kingdom; 2. Department of Applied Mathematics, Queen’s University, Belfast, United Kingdom; 3. Department of Epidemiology and Public Health, Queen’s University, Belfast, United Kingdom

PREVALENCE AND SIGNIFICANCE OF AN ISOLATED LONG QTC INTERVAL ON 12-LEAD ECG IN ELITE ATHLETES
Basavarajaiah, S1; Wilson, M2; Chlebinska, A2; Shah, A1; Sharma, S1
1. King’s College Hospital, London, United Kingdom; 2. University Hospital Lewisham, London, United Kingdom

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Lin, G; Brady, PA
Mayo Clinic, Rochester, MN, United States

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Rogers, DP; England, F; Dhinoja, M; Simon, R; Lowe, MD; Lambiase, PD; Chow, AW
The Heart Hospital, London, United Kingdom

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Manchester Heart Centre, Manchester, United Kingdom

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1. Regional Genetic Service, Manchester, United Kingdom; 2. Manchester Heart Centre, Manchester, United Kingdom

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Bristol Royal Infirmary, Bristol, United Kingdom
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Butler, R1; Wainwright, James2
1. University Hospital of North Staffordshire, Stoke on Trent, United Kingdom; 2. Keele University Medical School, Stoke on Trent, United Kingdom

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1. St James University Hospital, Leeds, United Kingdom; 2. The General Infirmary at Leeds, Leeds, United Kingdom

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Bristol Royal Infirmary, Bristol, United Kingdom

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Royal Alexandra Hospital, Paisley, United Kingdom

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1. Sussex Cardiac Centre, Brighton, United Kingdom; 2. Sussex Cardiac Network, Brighton, United Kingdom
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The James Cook University Hospital, Middlesbrough, United Kingdom

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1. Western General Hospital, Edinburgh, United Kingdom; 2. University of Edinburgh, Edinburgh, United Kingdom

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1. University of Oxford, Oxford, United Kingdom; 2. John Radcliffe Hospital, Oxford, United Kingdom

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Cardiothoracic Centre, Liverpool, United Kingdom

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John Radcliffe Hospital, Oxford, United Kingdom

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International Centre for Circulatory Health, St Mary's Hospital, London, United Kingdom

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1. St George's University of London, London, United Kingdom; 2. Onassis Cardiac Surgery Centre, Athens, Greece
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St George’s Hospital, London, United Kingdom

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1. Ealing Hospital, London, United Kingdom; 2. The Heart Hospital, London, United Kingdom; 3. St Georges Hospital, London, United Kingdom; 4. St Georges Hospital, London, United Kingdom

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Northwick Park Hospital, Harrow, United Kingdom

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Department of Cardiology, Wythenshawe Hospital, Manchester, United Kingdom

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Lim, TK; Dwivedi, G; Hayat, SA; Senior, R
Northwick Park Hospital, Cardiovascular Medicine, Harrow, United Kingdom

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MacDonald, MR1; Hawkins, NM1; Balmain, S2; McMurray, JJV3; Petrie, MC1
1. Glasgow Royal Infirmary, Glasgow, United Kingdom; 2. Western Infirmary of Edinburgh, Edinburgh, United Kingdom; 3. Western Infirmary, Glasgow, United Kingdom

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1. University of Manchester, Manchester, United Kingdom; 2. South Manchester University Hospital, Manchester, United Kingdom

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Bhan, A; Kapetanakis, S; Rana, BS; Ho, E; Wilson, K; Monaghan, MJ
King’s College Hospital, London, United Kingdom

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1. Dept of Health Sciences and Dept of Genetics, University of Leicester, Leicester, United Kingdom; 2. Dept of Cardiovascular Sciences, University of Leicester, Leicester, United Kingdom; 3. Medical Sciences, University of Glasgow, Glasgow, United Kingdom

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Rahman, T; Hall, DH; Avery, PJ; Keavney, B
Newcastle University, Newcastle upon Tyne, United Kingdom
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<td>LEUKOTRIENE B4 PRODUCTION IN SUBJECTS WITH VARIANTS OF THE 5-LIPOXYGENASE ACTIVATING PROTEIN GENE ASSOCIATED WITH RISK OF MYOCARDIAL INFARCTION</td>
<td>Maznyczka, A¹; Mangino, M¹; Whittaker, A¹; Braund, P¹; Palmer, T²; Tobin, M²; Goodall, A¹; Bradding, P³; Samani, N¹</td>
<td>1. Dept of Cardiovascular Sciences, University of Leicester, Leicester, United Kingdom; 2. Dept of Health Sciences, University of Leicester, Leicester, United Kingdom; 3. Dept of Infection, Inflammation &amp; Immunity, University of Leicester, United Kingdom</td>
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<td>195</td>
<td>CHARACTERISATION OF MICRORNAS IN THE HUMAN HEART</td>
<td>Lu, H¹; Punjabi, PP¹; Rahman, F¹; Camici, PG¹; Atman, TJ¹; Cook, SA¹</td>
<td>1. Clinical Sciences Centre, MRC, London, United Kingdom; 2. Hammersmith Hospital, London, United Kingdom</td>
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<td>1. Northampton General Hospital, Northampton, United Kingdom; 2. Department of Health Sciences, University of Leicester, United Kingdom</td>
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<td>1. Academic Cardiology Dept., University of Hull, Hull, United Kingdom; 2. McMaster University, Ontario, Canada</td>
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<td>1. Department of Cardiology, Royal Free Hospital, London, United Kingdom; 2. Neuroendocrine Tumour Unit, Royal Free Hospital, London, United Kingdom</td>
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<td>1. South Manchester University Hospitals NHS Foundation Trust, Wythenshawe Hospital, Manchester, United Kingdom; 2. School of Chemistry and The Manchester Centre for Integrative Systems Biology, The University of Manchester, Manchester, United Kingdom; 3. Division of Cardiovascular and Endocrine Sciences, The University of Manchester, Manchester, United Kingdom; 4. Department of Clinical Biochemistry, Manchester Royal Infirmary, Manchester, United Kingdom; 5. School of Chemistry and The Manchester Centre for Integrative Systems Biology, The University of Manchester, Manchester, United Kingdom</td>
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<td>The James Cook University Hospital, Middlesbrough, United Kingdom</td>
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Abstracts
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Chair: Dr Richard Bogle and Dr Adrian Brady
State of the art: New ways of assessing blood pressure
Prof John Cockcroft

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<td>1. International Centre for Circulatory Health, St Mary’s Hospital and Imperial College, London, United Kingdom; 2. International Centre for Circulatory Health, St Mary’s Hospital &amp; Imperial College, London, United Kingdom</td>
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1. Newcastle University, Newcastle upon Tyne, United Kingdom; 2. University of Cape Town, Cape Town, South Africa; 3. University of Glasgow, Glasgow, United Kingdom; 4. University of Oxford, Oxford, United Kingdom

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1. International Centre for Circulatory Health, Imperial College and St. Mary’s Hospital, London, United Kingdom; 2. International Centre for Circulatory Health and Imperial College, London, United Kingdom

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1. Cardiovascular Division Kings College London, London, United Kingdom; 2. St Thomas’ Hospital, London, United Kingdom

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1. Newcastle University, Newcastle upon Tyne, United Kingdom; 2. University of Glasgow, Glasgow, United Kingdom; 3. University of Cape Town, Cape Town, South Africa; 4. University of Oxford, Oxford, United Kingdom

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1. Royal Hallamshire Hospital, Sheffield, United Kingdom; 2. University of Sheffield, Sheffield, United Kingdom; 3. Castle Hill Hospital, Cottingham, United Kingdom; 4. Barnsley District General Hospital, Barnsley, United Kingdom

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Sugden, JA1; Davies, J1; Witham, MD1; Morris, AD1; Struthers, AD1
1. University of Dundee, Dundee, United Kingdom; 2. University of Dundee, Dundee, United Kingdom

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1. University of Leicester, Leicester, United Kingdom; 2. BRAHMS AG, Hennigsdorf/Berlin, Germany

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1. Dept of Cardiovascular Sciences, University of Leicester, Leicester, United Kingdom; 2. Research Center, Massachusetts General Hospital, Massachusetts, United States
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1. University of Leicester, Leicester, United Kingdom; 2. Gazes Cardiac Research Institute, South Carolina, United States

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1. Dept of Cardiovascular Sciences, University of Leicester, Leicester, United Kingdom; 2. Dept of Health Sciences, University of Leicester, Leicester, United Kingdom; 3. Royal Hallamshire Hospital, Sheffield, United Kingdom

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The Hatter Cardiovascular Institute, UCL, London, United Kingdom

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1. Heart Hospital, UCL, London, United Kingdom; 2. UCL, London, United Kingdom; 3. Royal Brompton Hospital, London, United Kingdom; 4. Heart Hospital, UCL, London, United Kingdom

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1. The Department of Cardiology, St Bartholomew's Hospital and Queen Mary University, London, United Kingdom; 2. National Heart and Lung Institute, Imperial College, London, United Kingdom

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Freeman Hospital, Newcastle upon Tyne, United Kingdom

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Good Hope Hospital, Sutton Coldfield, United Kingdom

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Roughton, Michael1; Mannan, J; Sutton, GC2; Wood, D3; Fox, K; Cowie, MR3
1. Royal Brompton & Harefield NHS Trust, London, United Kingdom; 2. Faculty of Medicine, Imperial College, London, United Kingdom; 3. National Heart & Lung Institute, Imperial College, London, United Kingdom; 4. Charing Cross Hospital, London, United Kingdom
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National cardiovascular audits – interim results
Chair: Prof David Crossman and Prof Adam Timmis

Healthcare Commission – heart failure improvement review
Prof Martin Cowie and Ms Cate Quinn

National Infarct Angioplasty Project (NIAP)
Dr Huon Gray

Death following a first time, isolated coronary artery bypass graft.
Interim report – Year 2
Ms Heather Cooper

The Scottish Coronary Revascularisation Register
Dr Jill Pell

The secondary care perspective on the National Programme
Dr Simon Eccles

Hall 1 11.00-12.30

British Society of Echocardiology (BSE)
British Congenital Cardiac Association (BCCA)
Society for Cardiothoracic Surgery (SCTS)

Aortic valve repair
Chair: Mr Leslie Hamilton and Dr Alan Houston
Patterns of aortic valve disease
Dr Mark Turner

What the surgeon needs to know to select patients
Dr Simon Ray

Aortic valve repair – the surgeon’s view
Mr David Barron

Current outcomes
Dr Derek Chin

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EP pacemakers and devices
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Chalil, S1; Stegemann, B2; Muhyaldeen, S1; Khadjooi, K1; Sandman, Harald1; Smith, REA1; Leyva, F1

1. Good Hope Hospital, Sutton Coldfield, United Kingdom; 2. Medtronic Inc, Maastricht, Netherlands

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1. North West Regional Cardiac Centre, Wythenshawe Hospital, Manchester, United Kingdom;
2. Manchester Heart Centre, Manchester Royal Infirmary, Manchester, United Kingdom

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Chalil, S1; Muhyaldeen, S1; Khadjooi, K1; Smith, REA1; Jordan, P1; Patel, K1; Leyva, F1

1. Good Hope Hospital, Sutton Coldfield, United Kingdom; 2. Sandwell and City Hospitals, Birmingham, United Kingdom
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University Hospital of North Staffordshire, Stoke-on-Trent, United Kingdom

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1. Sandwell Hospital, Birmingham, United Kingdom; 2. Sandwell Hospital and University of Birmingham, Birmingham, United Kingdom; 3. University of Birmingham, Birmingham, United Kingdom

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BHF Heart Research Centre, Leeds, United Kingdom

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Tan, YT1; Mavroudis, C2; Khan, T2; Butler, R3; Nolan, J2; Gunning, MG2

1. University Hospital of North Staffordshire, Stoke-on-Trent, United Kingdom; 2. University Hospital of North Staffordshire, Stoke-on-Trent, United Kingdom

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Cubbon, RM1; Rajiwani, A1; Grant, PJ1; Wheatcroft, SB1; Barth, JH2; Kearney, MT1; Hall, AS1

1. The University of Leeds, Leeds, United Kingdom; 2. Leeds General Infirmary, Leeds, United Kingdom
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1. The University of Leeds, Leeds, United Kingdom; 2. Leeds General Infirmary, Leeds, United Kingdom; 3. St. James University Hospital, Leeds, United Kingdom

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1. Regional Medical Cardiology Centre, Royal Victoria Hospital, Belfast, United Kingdom; 2. Department of Applied Mathematics, Queen’s University of Belfast, Belfast, United Kingdom; 3. Department of Epidemiology and Public Health, Queen’s University of Belfast, Belfast, United Kingdom

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1. Birmingham Children’s Hospital, Birmingham, United Kingdom; 2. University Hospital Birmingham, Birmingham, United Kingdom; 3. Royal Sussex County Hospital, Brighton, United Kingdom; 4. St Mary’s Hospital, London, United Kingdom; 5. Heart and Lung Centre, Wolverhampton, United Kingdom; 6. Walsgrave Hospital, Coventry, United Kingdom

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1. Michaelideion Cardiac Centre, University of Ioannina, Ioannina, Greece; 2. Michaelideion Cardiac Center, University of Ioannina, Ioannina, Greece; 3. Department of Materials Science and Engineering, University of Ioannina, Ioannina, Greece; 4. Department of Cardiology, Medical School, University of Ioannina, Ioannina, Greece; 5. Department of Computer Science, University of Ioannina, Ioannina, Greece

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St Thomas’ Hospital Campus, Kings College London, London, United Kingdom;

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1. Department of Academic Cardiology, Castle Hill Hospital, Cottingham, United Kingdom; 2. Department of Vascular Radiology, Hull Royal Infirmary, Hull, United Kingdom

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1. Oxford Centre for Magnetic Resonance Research, Department of Cardiovascular Medicine, University of Oxford, Oxford, United Kingdom; 2. Department of Diagnostic Radiology, Medical Physics, University of Freiburg, Freiburg, Germany

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1. Leeds University, Leeds, United Kingdom; 2. Leeds General Infirmary, Leeds, United Kingdom

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Bhattacharyya, S1; Toumpanakis, C2; Caplin, M2; Davar, J1
1. Department of Cardiology, Royal Free Hospital, London, United Kingdom; 2. Neuroendocrine Tumour Unit, Royal Free Hospital, London, United Kingdom

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1. Newham University Hospital, London, United Kingdom; 2. London Chest Hospital, London, United Kingdom

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1. University of Leeds, Leeds, United Kingdom; 2. ETH and University of Zurich, Zurich, Switzerland;
3. University Hospital Zurich, Zurich, Switzerland

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1. Academic Cardiology, Hull Royal Infirmary, Hull, United Kingdom; 2. Department of Academic Endocrinology,
Hull Royal Infirmary, Hull, United Kingdom

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1. The London Chest Hospital, London, United Kingdom; 2. National Institutes of Health, Bethesda,
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1. BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow, United Kingdom;
2. Clinic I for Internal Medicine and Center for Molecular Medicine, University of Cologne, Cologne, Germany;
3. Haemostasis and Thrombosis, MRC Clinical Sciences Centre, Imperial College London, London,
United Kingdom; 4. Department of Oncology, Cambridge University, Cambridge Institute for Medical Research,
Cambridge, United Kingdom

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1. King's College London, London, United Kingdom; 2. University of Leeds, Leeds, United Kingdom;
3. University of Cambridge, Cambridge, United Kingdom

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1. Department of Cardiovascular Medicine, University of Oxford, Oxford, United Kingdom;
2. Department of Physiology, Anatomy and Genetics, University of Oxford, Oxford, United Kingdom

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1. University of Edinburgh, Edinburgh, United Kingdom; 2. Royal Infirmary of Edinburgh, Edinburgh, United Kingdom

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1. Freeman Hospital, Newcastle upon Tyne, United Kingdom; 2. Freeman Hospital, Newcastle Upon Tyne, United Kingdom

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1. Department of Cardiology Royal Free Hospital, London, United Kingdom; 2. Department of Rheumatology, Royal Free Hospital, London, United Kingdom; 3. Department of Primary Care and Population Sciences, Royal Free & University College Medical School, London, United Kingdom

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1. Hammersmith Hospital, London, United Kingdom; 2. Hammersmith Hospital and Imperial College, London, United Kingdom

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1. St. George's Hospital, London, United Kingdom; 2. St. George's University London, London, United Kingdom

Lomond 12.30-13.30
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