



Cardiovascular Care: Innovations in Prevention and Rehabilitation

Disclaimer:

The BACPR annual conference is sponsored by various pharmaceutical companies.



These organisations have had no input into the development of the conference programme, or influenced the choice of speakers, except for any industry sponsored symposia presentations.

Sponsoring organisations will not be contributing in any way to the organisation and running of any social activities around the conference period. [Click here for a full sponsors list.](#)


Programme

Day one | Thursday 9 October

From 09:00	Registration opens <i>Ballroom foyer</i>
09.00 – 10.00	Refreshments, exhibition and networking <i>Ballroom 3</i>
Session 1	Opening and Keynote 1 Co-chairs: Dr Eddie Caldow + Heather Probert <i>Ballroom Suite</i>
10:00 – 10:10	Housekeeping and Opening remarks Dr Eddie Caldow <i>BACPR Scientific Officer</i>
10:10 – 10:20	Welcome from BACPR President Heather Probert <i>BACPR President</i>
10:20 – 10.50	Keynote Cardiac Rehabilitation then and now. Celebrating the evolution and continued success of Cardiac Rehabilitation Dr Morag Thow MBE <i>Associate supervisor, Glasgow Caledonian University, Department of Physiotherapy and Paramedicine, Glasgow, Scotland, UK</i>
10.50 – 10.55	<i>Question and Answers to Speaker Panel</i>

10:55 – 11:25	Healthy break refreshments, exhibition and networking <i>Ballroom 3</i>	
Session 2 (A+B)	2A Shaping the Future: Prevention at the Heart of Cardiovascular Health Co-chairs: Nikki Gardiner + Amye Goddard <i>Ballroom Suite</i>	2B Beyond the Scales: Holistic Approaches to Obesity and Weight Management in Cardiac Rehab Co-chairs: Julie Hinchliffe + Maria Glover <i>Riverside Suite</i>
11:25 – 11:45	CVD prevention – lipids  HEART UK session	11:25 – 11:55 Beyond the Scales: Holistic Approaches to Obesity and Weight Management in Cardiac Rehab Dr Stephanie de Georgio <i>GP with an interest in Obesity</i>
11:45 – 12:05	Lifestyle Shifts for Cardiometabolic Optimisation Dr Sundhya Raman <i>Lifestyle Medicine Doctor, Primary Care Cardiovascular Society, UK</i>  PCCS session	11:55 – 12:25 Eloise Garbutt 12:25 – 12:35 <i>Question and Answers</i>
12:05 – 12:25	Exercise and activity for hypertension Dr Jamie O'Driscoll <i>Associate Professor in Exercise and Cardiovascular Physiology, University of Leicester, Leicester Lifestyle and Health Research Group, Division of Global, Lifestyle and Metabolic Health, Leicester, UK</i>	
12:25 – 12:35	<i>Question and Answers to Speaker Panel</i>	
12:35 – 13:35	Lunch, exhibition and networking <i>Ballroom 3</i>	13:00 – 13:30 Spotlight on Research: from idea to impact Hear about funded research journeys with takeaways for your own application. Hosted by: Dr Sheona McHale + Dr Aynsley Cowie <i>Riverside Suite</i>
Session 3	Bridging the Gap: Data, Policy and Practice for Reducing Inequalities in Cardiac Care Co-chairs: Susan Casnello + Sally Hinton <i>Ballroom Suite</i>	
13:35 – 13:55	Increasing uptake to Phase III Cardiac Rehabilitation Emma Davies <i>Aneurin Bevan University Health Board, Wales, UK</i> Hassan Al-Kaabi <i>Health and Care Lead – BHF Cymru, British Heart Foundation, Cardiff, Wales, UK</i>	

	 BHF Session
13.55 – 14.15	"The Path Closer to Home"- localism in addressing health inequalities Prof Ivan Browne OBE <i>Fellow of Faculty of Public Health, Professor of Public health and social determinants of health, De Montfort University, Faculty of Health and Life Sciences, Leicester, UK</i>
14.15 – 14.30	Do the newly emerging modes of cardiac rehabilitation offer a solution to inequalities in access and outcome for patients? Prof Patrick Doherty <i>Chair in Cardiovascular Health, University of York, Department of Health Sciences, York, UK</i> <i>National Audit of Cardiac Rehabilitation (NACR), NHS England</i>
14.30 - 14.45	Scottish Cardiac Rehabilitation Audit Mrs Fiona Brownlie <i>Team Lead Physiotherapist (Cardiac Rehabilitation), NHS Tayside, Dundee, UK</i>
14.45 – 15.00	Lived Experience
15.00 – 15.10	<i>Question and Answers to Speaker Panel</i>
15:10 - 15.45	Healthy break refreshments, exhibition and networking <i>Ballroom 3</i>
15:20 - 15.45	Moderated Poster Judging <i>Presenters to be available by posters</i> <i>Ballroom foyer</i> Judges: Susan Casnello, Maria Glover, Janine O'Rourke <i>See full listing at the bottom of the programme.</i>
Session 4	Navigating Comorbidities in Cardiovascular Health Co-chairs: Helen Alexander + Janine O'Rourke <i>Ballroom Suite</i>
15.45 – 16.05	The role of the Cardio-Oncology Clinical Nurse Specialist Miss Priya Reehal <i>Lead Cardio-Oncology Clinical Nurse Specialist, Royal Brompton Hospital, Cardiology – Cardio-Oncology, London, UK</i>
16.05 – 16:25	Frailty in chronic heart failure: Exploring its impact on cardiac rehabilitation Ms Hannah Waterhouse <i>Lecturer in Nursing, University of Leicester, UK</i>  BANCC session

16:25 – 16.45	Navigating Comorbidities in Cardiovascular Health – Cardio-renal-metabolic disease Prof Stephen Wheatcroft <i>Professor of Cardiometabolic Medicine / Consultant Cardiologist, University of Leeds / Leeds Teaching Hospitals NHS Trust, Leeds Institute of Cardiovascular and Metabolic Medicine, Leeds, UK</i>
16.45 – 16.55	<i>Question and Answers to Speaker Panel</i>
16.55	Conference close – day one
17.15 – 17.45	BACPR AGM <i>Riverside Suite</i>
18:45 – 19.15	Pre-dinner drinks <i>Ballroom Foyer</i> Civic reception hosted by The Rt Hon The Lord Provost of Glasgow 
19.15 – late	Conference dinner and ceilidh <i>Ballroom Suite</i>

Day two | Friday 10 October

08:00 – 08:30	Fresh start morning run Directed by: Helen Alexander <i>Departing from the hotel reception</i>	Fresh start morning walk Directed by: Dr Eddie Caldow <i>Departing from the hotel reception</i>	Tai chi Directed by: Kirsty Hughes <i>Riverside Suite</i>
From 08.30	Registration opens <i>Ballroom foyer</i>		
09:15	Day two – welcome Sally Hinton (BACPR Executive Director)		
09.15 – 09.45	Best of the Best Oral Abstract Session Chairs: Dr Sheona McHale + Marissa Plaza <i>Ballroom Suite</i> Judges: Dr Eddie Caldow, Dr Aynsley Cowie, Stephanie Wright 1 Is 150 minutes per week of moderate physical activity a potential “over prescription” for cardiac rehabilitation? A systematic analysis of trials in the Cochrane Review John P Buckley , Bindi Davdra		

	<p><i>School of Allied Health Professions and Pharmacy, Keele University, STAFFS, UK ST5 5BG</i></p> <p>2 A remote recovery intervention for Spontaneous Coronary Artery Dissection: A cohort study Coral L Hanson^{1,2}, Alice Pearsons¹, Andrew Steven¹, Lis Neubeck^{1,3,4} ¹ Centre for Cardiovascular Health, School of Health and Social Care, Edinburgh Napier University, Sighthill Campus, Edinburgh, EH11 4BN ² Department of Cardiovascular Sciences, University of Leicester, University Rd, Leicester LE1 7RH ³ University of Sydney, Sydney Nursing School, Charles Perkins Centre, Johns Hopkins Road, Sydney, NSW 2006, Australia ⁴ Department of Nursing, Faculty of Nursing and Midwifery, Wroclaw Medical University, 51-618 Wroclaw, Poland</p> <p>3 Personalised Exercise-Rehabilitation FOR people with Multiple long-term conditions (PERFORM): A new paradigm for rehabilitation provision? Rod S Taylor^{1,2}, Grace Dibben¹, Frances Mair³, Bhautesh Jani³, Sharon Simpson¹, Sally J Singh⁴, and on behalf of the PERFORM collaboration ¹MRC/CSO Social and Public Health Sciences Unit, School of Health and Wellbeing, University of Glasgow, Glasgow, United Kingdom. ²Robertson Centre for Biostatistics, School of Health and Wellbeing, University of Glasgow, Glasgow, United Kingdom. ³General Practice and Primary Care, School of Health and Wellbeing, University of Glasgow, Glasgow, United Kingdom ⁴Respiratory Sciences, University of Leicester, Leicester, United Kingdom.</p>	
09.45 – 09.50	<p>President Handover Heather Probert</p>	
Session 5 (A+B)	<p>5A Improving Outcomes: Optimising Lipids and Heart Failure in Practice Co-chairs: Stephanie Wright + Kirsty Hughes <i>Ballroom Suite</i></p>	<p>5B Spotlight on the Psychosocial Component of Cardiovascular Rehabilitation Co-chairs: Dr Carolyn Deighan + Natalie Graham <i>Riverside Suite</i></p>
09.50 – 10.20	<p>Astra Zeneca Sponsored symposium <i>This is an AstraZeneca sponsored symposium. This symposium is intended for UK healthcare professionals (HCPs) and ORDMs only.</i></p>	<p>09.45 - 10.00 BACPR Psychosocial Competences Dr Carolyn Deighan Health Psychologist, NHS Lothian Heart Manual, Edinburgh, UK</p>
10.20 – 10.40	<p>Lipid management for secondary prevention of cardiovascular disease Dr Tejas Kalaria Consultant in Chemical Pathology and Metabolic Medicine, Black Country Pathology Services, The Royal Wolverhampton NHS Trust, Wolverhampton, UK</p>	<p>10.00 – 10:15 The moving hearts project: The role of psychological support in improving wellbeing and movement Dr Anna McCulloch Lead Consultant Clinical Psychologist, Cardiff and Vale NHS, Adult Congenital Heart Disease Service, Cardiff, Wales, UK</p>
10.40 – 10.55	<p>Update on the management on heart failure, including the role of the MDT Dr Paul Forsyth</p>	<p>10.15 – 10.30</p>

	Consultant Pharmacist in Cardiology, NHS Golden Jubilee, Pharmacy Department, Clydebank, Scotland, UK	Psychological Support for ICD recipients: Insights from a pilot service Dr Bruce Irvine Principal Clinical Psychologist, NHS Golden Jubilee, Department of Psychology, Glasgow, UK
10.55 – 11.05	Question and Answers to Speaker Panel	10.30 – 10.45 Outcomes and learning from a multi-site community cardiac rehabilitation psychology project Dr Mark Griffiths Lead Consultant Clinical Psychologist & Chief Psychological Professions Officer, Liverpool Heart & Chest Hospital NHS FT, Liverpool, UK 10.45 – 11.00 Question and Answers to Speaker Panel
11.05 – 11.35	Healthy break refreshments, exhibition and networking <i>Ballroom 3</i>	
11.10 – 11.35	Poster networking All presenters to be available by posters <i>Ballroom foyer</i> See listing at the bottom of the programme	
11.10 – 11.25	CRIGS AGM <i>Riverside Suite</i>	
Session 6	Digital Directions: Navigating Innovation, Access and Equity in CV Health Co-chairs: Maria Glover + James Whitfield <i>Ballroom Suite</i>	
11.35 – 11.55	Digital Technology in Heart Failure Pathways Ms Mandie Welch Lead Heart failure Advanced Nurse Practitioner, Cwm Taf Morgannwg University health board, Department of Cardiology, Llantrisant, Wales, UK  BSH session	
11.55 – 12.15	AI in imaging: Extracting more from CT coronary angiography Dr John Graby Cardiology Registrar, University Hospitals Bristol & Weston NHS Foundation Trust, Cardiology Department, Bristol, UK	
12.15 – 12.35	Navigating the Digital Health Landscape: Lessons, Challenges and Opportunities Mrs Jane Stokes Head of Customer Success, My mhealth Limited, Durham, UK	
12.35 – 12.45	Question and Answers to Speaker Panel	
12.45 – 13.45	Lunch, exhibition and networking	13:00 – 13:30

	<i>Ballroom 3</i>	Ask the expert - Exercise Prescription and Physical Activity Guidance: an interactive session with Professor John Buckley and the BACPR EPG Committee <i>Riverside Suite</i>
13.45 – 13.55	Learn more about the BACPR Travel Award and NRDF grant Helen Alexander	
13.55 - 14.05	Announcement of awards Presented by: Dr Eddie Caldow - BACPR Scientific Officer Maria Glover - BACPR President	
Session 7	Sex, Gender and the Heart: Addressing Risk & Representation in Cardiovascular Health Co-chairs: Dr Eddie Caldow + Fiona Brownlie <i>Ballroom Suite</i>	
14.15 – 14.25	Cardiovascular Disease in Women: recognising and reducing disparities in care Dr Joanna Abramik <i>Clinical Research Fellow in Cardiology, Royal United Hospitals Bath NHSFT, Department of Cardiology, Bath, UK</i> <i>British Junior Cardiologists Association (BJCA) representative</i>	
14.25 – 14.45	CVD risk in transgender people Prof Christian Delles <i>Head of School, University of Glasgow, School of Cardiovascular and Metabolic Health, Glasgow, UK</i>	
14.45 – 15.05	The Ticking timebomb Dr Ian Russell <i>Specialist In Sexual Medicine, Men's Health Scotland, Urology/Andrology, Glasgow, Scotland, UK</i>	
15.05 – 15.15	<i>Question and Answers to Speaker Panel</i>	
15.15 – 15.25	Closing Remarks Dr Eddie Caldow <i>BACPR Scientific Officer</i>	
15.30	Conference close	

Posters (located in the Ballroom foyer)

Moderated posters – MP1 – Mo6

MP1

Effects of high-intensity interval training on physical and psychological health outcomes among patients with coronary artery disease: A systematic review

Nidaa Alanazi^{1,2}, Dr Emma Adams¹, Dr Theresa C Harvey-Dunstan^{1,3}, Dr Dominic O'Connor¹

¹ School of Health Sciences, Faculty of Medicine and Health Sciences, University of Nottingham, Nottingham, NG7 2HA, United Kingdom

² College of Applied Medical Sciences, Majmaah University, Majmaah 15341, Saudi Arabia
³ Respiratory Medicine, Nottingham University Hospitals NHS, Nottingham, United Kingdom

MP2

Co-designing Language Accessible Cardiovascular Care: Addressing Inequalities in NHS Services for Minority Patients

Dr Araya Gautam, MBBS, MPH

Queen Margaret University, Edinburgh, Scotland

MP3

Evaluating the inclusion of trauma screening in routine cardiac rehabilitation assessment

Katie Murray, Ghiselle Green, **Holly Rimmer**, Katerina Theodoropoulou

Imperial College Healthcare NHS Trust, Imperial College London

MP4

The perceptions and understanding of healthcare professionals about SCAD

Marissa Plaza Godoy¹, Adrian Midgley², Andy Levy³, Tom Butler¹,

¹. Faculty of Health, Social Care and Medicine, Edge Hill University, St Helens Road, Ormskirk L39 4QP, United Kingdom.

². Department of Sport and Physical Activity, Faculty of Arts and Sciences, Edge Hill University, Ormskirk L39 4QP

³. Department of Psychology, Faculty of Arts and Sciences, Edge Hill University, Ormskirk L39 4QP

MP5

Supporting recovery from Spontaneous Coronary Artery Dissection: A Qualitative study of partners perspectives

Andrew Steven¹, Alice Pearsons¹, Coral L Hanson^{1,2}, Lis Neubeck^{1,3,4}

¹ Centre for Cardiovascular Health, School of Health and Social Care, Edinburgh Napier University, Sighthill Campus, Edinburgh, EH11 4BN

² Department of Cardiovascular Sciences, University of Leicester, University Rd, Leicester LE1 7RH

³ University of Sydney, Sydney Nursing School, Charles Perkins Centre, Johns Hopkins Road, Sydney, NSW 2006, Australia

⁴ Department of Nursing, Faculty of Nursing and Midwifery, Wroclaw Medical University, 51-618 Wroclaw, Poland

MP6

Self-Management Support for Cancer Survivors at Risk of Cardiotoxicity: A Scoping Review

Kaitlyn Young, Dr Carolyn Deighan, Kayleigh McGill, Louise Taylor, and Emma Parr

The Heart Manual Department, NHS Lothian, Astley Ainslie Hospital 133 Grange Loan, Edinburgh EH9 2HL

Unmoderated posters – Po1 – P50

Po1

Design and rationale for MICROFIT feasibility trial – can we improve symptoms of angina in patients with coronary microvascular dysfunction through intensive cardiac rehabilitation?

Joanna Abramik^{1,2,3}, David Murphy^{1,2}, John Graby^{1,2}, Anna Lacey⁴, Theresa Smith⁵, Fiona Gillison², Kevin Carson¹, Mark Mariathas³, Matthias G Friedrich⁶, Amedeo Chiribiri⁷, Jonathan Carl Luis Rodrigues^{8,2}, Dylan Thompson², Ali Khavandi¹

¹ Cardiac Centre, Royal United Hospitals Bath NHS Foundation Trust, Combe Park, Bath, BA1 3NG, UK

² Department for Health, University of Bath, Claverton Down, Bath, BA2 7AY, UK

³ Bristol Heart Institute, University Hospitals Bristol and Weston NHS Foundation Trust, Marlborough St, Bristol BS1 3NU, UK

⁴ Department of Psychology, University of Bath, Claverton Down, Bath, BA2 7AY, UK

⁵ Department of Mathematical Sciences, University of Bath, Claverton Down, Bath, BA2 7AY, UK

⁶ Department of Medicine, McGill University, 1001 Decarie Boulevard, Montreal, QC, H4A 3J1, Canada

⁷ Department of Cardiovascular Imaging, King's College London, St Thomas' Hospital, Westminster Bridge Road, London, SE1 7EH, UK

⁸ Department of Radiology, Royal United Hospitals Bath NHS Foundation Trust, Combe Park, Bath, BA1 3NG, UK

Po2

Cardiac Rehabilitation in Contemporary Cardiology: A Narrative Review

Alyah Aldeie, Ahmad Salman

Department of Public Health Practice, College of Public Health, Kuwait University, P.O. Box 24923, Safat 13110, Kuwait

Po3

Nursing In Preventive Cardiac Clinic

Sultan Saleh Mastour Alharthi

24246 Makkah , king Abdullah Medical City , SA

Po4

Does Integrating Cognitive Behavioural Therapy into Cardiac Rehabilitation Improve Depression and Quality of Life? A Systematic Review

¹**Ola Alqahtani**, ²Nichola Gale

¹ Department of Physical Therapy, College of Applied Medical Sciences, Najran University, P.O. Box 1988, Najran 11001, Saudi Arabia

²School of Healthcare Sciences, Cardiff University, Heath Park, Cardiff, CF14 4XN, UK.

Po5

Differences in characteristics between patients referred and not-referred to Cardiac Rehabilitation

¹**Matthew Annals**, ^{2,3}Enya Daynes, ^{1,2}Nikki Gardiner, ^{2,3}Sally J Singh

Author affiliations: ¹ Cardiac Rehabilitation, University Hospitals of Leicester NHS Trust, Glenfield Hospital, Groby Road, Leicester LE3 9QP UK; ² Centre of Exercise and Rehabilitation Sciences, NIHR Leicester Biomedical Research Centre Respiratory, Leicester, UK; ³ Department of Respiratory Sciences, University of Leicester, UK

Po6

Heart failure service development project - setting up a new ambulatory heart failure clinic.

Mirza Baig¹ (lead), Linda Edmunds ², Karen Hazel ³, Sian Chard ⁴, Bryn Edwards ⁵.

Aneurin Bevan University health board, Royal Gwent Hospital, Cardiff Rd, Newport NP20 2UB(1-5)

Po7

A vocational rehabilitation service improvement project for patients referred to a UK Cardiac Rehabilitation Service; conceptual content analysis to explore patients' presenting concerns

Amy C Barradell^{1,2}, Amye C N Goddard¹, Nikki Gardiner^{1,3}, Sally J Singh^{1,3,4}

1. Cardiac and Pulmonary Rehabilitation, University Hospitals of Leicester NHS Trust, Leicester, UK.

2. School of Psychology and Vision Sciences, University of Leicester, Leicester, UK.

3. Centre for Exercise & Rehabilitation Science, Biomedical Research Centre-Respiratory, Glenfield Hospital, Leicester, UK.

4. Respiratory Sciences, University of Leicester, UK.

Po8

Standardising Acute Coronary Syndrome Management: The Impact of Electronic Order Sets on Prescribing Compliance in a Tertiary Cardiology Centre

¹**Dr Gagandeep Bhambra**, ²Dr Lampson Fan

¹The Princess Royal Hospital, Telford, Shrewsbury and Telford NHS Trusts, Apley Castle, TF1 6TF; ²The Royal Wolverhampton NHS Trust, Heart and Lung Centre, Department of Cardiology, Wolverhampton Road, Heath Town, Wolverhampton WV10 0QP

Po9

Grip strength assessment in Cardiac Rehab – Practical applications and outcome data

Boden, P

Walsall Heart Care

P10

Effect of referral strategies and women-only programs on completion of cardiac rehabilitation among women: A retrospective longitudinal study

Dominique Chabot MD., Andrée-Anne Hébert B.Sc., and Marie-Kristelle Ross MD, FRCPC

Université Laval, Département de médecine, Faculté de médecine, Québec, QC, G1V 0A6, Canada
Centre hospitalier universitaire de Québec, CHU de Québec, Québec, Qc, Canada
Hôtel Dieu de Lévis, Centre intégré de santé et de services sociaux de Chaudière-Appalaches, CISSSCA, Québec, Qc, G6V 3Z1 Canada.

P11 **withdrawn**

P12

Intravenous Iron Follow-up in Heart Failure Patients: A retrospective Audit

Christos Charalambous⁽¹⁾, Nuala Pepper⁽¹⁾, Richard Andrews⁽²⁾

1. Pilgrim Hospital Boston, United Lincolnshire Hospitals NHS Trust, Sibsey Road, Boston, Lincolnshire, PE21 9QS, UK
2. Department of Cardiology, Lincoln County Hospital, United Lincolnshire Hospitals NHS Trust, Greetwell Road, Lincoln, Lincolnshire, LN2 5QY, UK

P13

Predicting Mortality Risk in Cardiac Patients Using Physical Activity Data from CIEDs: Validation and Evaluation of Existing Models

Greig Cowie, Prof Paul Swinton, Prof Steve Leslie, Kara Callum and Dr Andy Hall

- 1Greig Cowie (g.cowie13@rgu.ac.uk), 1Prof Paul Swinton, 2 Prof Steve Leslie, 2Kara Callum and 1Andy Hall. 1Robert Gordon University, Garthdee Rd, Aberdeen, AB107AQ, UK. 2 Raigmore Hospital, Old Perth Rd, Inverness, IV23UJ, UK.

P14

Streamlining the Heart Failure Referral Pathway in Primary Care: A PDSA-Driven Quality Improvement Project

Sohail Daniel¹, Emma White², Michael Florin³

- 1Royal Bolton Hospital, Minerva Rd, Bolton, BL4 0JR, UK; 2,3Westleigh Medical Practise, Westleigh Ln, Leigh, WN7 5JE, UK

P15

Addressing barriers to statin uptake in people living with HIV

Adam Darnley, Aarzoo Bhatia, Evelyn Ikekpeazu, Chitra Babu, Anna Garner, Orla McQuillan, Andrew Tomkins, Chris Ward, Clare Wood.

- 1 Wythenshawe Hospital, Southmoor Road, Wythenshawe, Manchester, M23 9LT, UK.
- 2 North Manchester General Hospital, Delaunays Rd, Crumpsall, Manchester, M8 5RB, UK.
- 3 The Northern Service, 280 Upper Brook St, Manchester, M13 0FH, UK.

P16

Mapping the Cardio-Oncology Landscape: A Multi-Stakeholder Exploration of Self-Management Support Pathways

Dr Carolyn Deighan ¹, Kaitlyn Young ¹, Louise Taylor ¹, and Kayleigh McGill ¹

- 1 The Heart Manual Department, NHS Lothian, Astley Ainslie Hospital 133 Grange Loan, Edinburgh EH9 2HL

P17

Artificial Intelligence (AI) in Cardiovascular Rehabilitation: a Scoping Review of Methods for Assessing AI-Generated Healthcare Content

Natalie Elliott¹, Alistair Lawson², Coral Hanson¹, Sheona McHale¹

1. Edinburgh Napier University. Centre for Cardiovascular Health. 9 Sighthill Court, Edinburgh, EH11 4BN
2. Edinburgh Napier University. School of Computing, Engineering & The Built Environment, 10 Colinton Road, Edinburgh EH10 5DT

P18

Implementation of early rehabilitation post sternotomy

Becky Evans¹ and Stuart Ennis²

- 1University Hospitals Coventry and Warwickshire (UHCW) NHS Trust, Clifford Bridge Road, Coventry, CV2 2DX
- 2University of Warwick, University Road, Coventry, CV4 7AL

P19

Implementation Success of a Digital Cardiac Rehabilitation Pathway: a Time and Motion Study

Aaqil A. Favas (1), Mihir A. Kelshiker (2,3), Patrik Bachtiger (2,3), Saloni Nakhare (2,3), Eleanor Murphy (3), Neil Lockyer (3), Sandra Ellis (3), Neil Chapman (2,3), Nicholas S Peters (2,3)

(1) Faculty of Medicine. Level 2, Faculty Building South Kensington Campus London SW7 2AZ, UK.

(2) National Heart and Lung Institute (NHLI) Clinical Research Building, Hammersmith Hospital Campus Du Cain Road, London, W12 0NN, UK.

(3) Imperial College Healthcare NHS Trust, London, Imperial College Healthcare NHS Trust, The Bays, South Wharf Road, St Mary's Hospital, London W2 1NY UK.

P20

Improving Education for Cardiac Rehabilitation Nurses, in relation to Heart Failure management, during the Cardiac Rehab Programme

1Jamie Finlay, 2Hayley Rose, 3Linda Edmunds

1County Hospital, Pontypool, NP4 5YA, UK. 2County Hospital, Pontypool, NP4 5YA, UK. 3Nevill Hall Hospital, Abergavenny, NP7 7EG, UK.

P21

Service improvement project evaluating the effectiveness of Vocational Rehabilitation (VR) for patients referred to a UK Cardiac Rehabilitation (CR) Service

1,2 Amye C N Goddard, 1,2 Amy Barradell, 1, 2 Nikki Gardiner, 1, 2, 3 Sally J Singh

1 Cardiac and Pulmonary Rehabilitation, University Hospitals of Leicester NHS Trust, Leicester, UK, 2 Centre for Exercise & Rehabilitation Science, Leicester Biomedical Research Centre-Respiratory, Glenfield Hospital, Leicester, UK, 3 Respiratory Sciences, University of Leicester, UK

P22

Compliance with Sodium-glucose cotransporter 2 inhibitors (SGLT2i) Prescribing Guidelines for Diabetic Patients with Atherosclerotic Cardiovascular Disease: Insights from Cath Lab

Mahmoud Hani¹, Mohamed Abdou²

¹University Hospital Southampton, Tremona Road, Southampton, SO16 6YD, UK.

²University Hospital Birmingham, Mindelsohn Way, Birmingham, B15 2GW, UK.

P23

Ascertaining the effect of Phase 1 cardiac rehabilitation on re-hospitalisations

1 Christos Lykidis, 1 Oshin Fernandes, 1 **Olivia Hudson**, 1 Aaron Singh, 2 Derek Connolly.

1. Cardiac Rehabilitation, City Health Campus, Dudley Road, B18 7QH, Birmingham, UK.

2. Medical School, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK

P24

Exploring cardiology multidisciplinary team perceptions of an advanced physiotherapy role in heart failure: a qualitative service evaluation

1 Kirsty Hughes, 2 Sean Paul Carroll

1 Heart Failure Service, NHS Forth Valley, Larbert, FK5 4WL, UK.

2 School of Health and Life Sciences, Glasgow Caledonian University, Glasgow, G4 0BA, UK.

P25

Does cardiac rehabilitation reduce hospital admission in heart failure patients those at risk of developing it?

Sharon Jakisa, Dr Anthony Cliffe

P26

Assessment of Exercise Fidelity in Home-Based Cardiac Rehabilitation for Patients with Heart Failure: A pilot study nested within the REACH-HFpEF randomised controlled trial

Mohammad Jarallah^{1,2}, Rodney Taylor³, Emma Burrell³, Chim C Lang^{4, 5}, James Sanders⁶, Sheeba Rosewilliam¹, Melvyn Hillsdon⁷, Matthew Cocks⁸, Patrick Doherty⁹, Afroditi Stathi¹, Colin J Greaves¹

1 School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham, Edgbaston, Birmingham, United Kingdom, B15 2TT

2 Department of Physical Therapy and Health Rehabilitation, College of Applied Medical Sciences, Majmaah

University, Majmaah, 11952, Kingdom of Saudi Arabia,

3 School of Health & Wellbeing, University of Glasgow, Clarice Pears Building, 90 Byres Road, Glasgow G12 8TB, United Kingdom.

4 Division of Cardiovascular Research, School of Medicine, University of Dundee, Ninewells Hospital and Medical School, Dundee DD1 9SY, United Kingdom.

5 UKM Medical Molecular Biology Institute (UMBI), Universiti Kebangsaan Malaysia, Jalan Ya'acob Latiff, Bandar Tun Razak, 56000 Cheras, Kuala Lumpur, Malaysia

6 School of Sport, Exercise and Health Sciences, Loughborough University, National Centre for Sport and Exercise Medicine, Epinal Way, Loughborough LE11 3TU, United Kingdom.

7 Department of Public Health and Sport Sciences, University of Exeter, St Luke's Campus, Heavitree Road, Exeter EX1 2LU, United Kingdom.

8 Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, Tom Reilly Building, Byrom Street, Liverpool L3 3AF, United Kingdom.

9 Department of Health Sciences, University of York, Heslington, York YO10 5DD, United Kingdom.

P27

Pharmacist Clinics in Cardiac Rehabilitation (CR) – A system-wide multi-disciplinary approach for lipid optimisation

1 **Niharika Duggal**, 1 Jo Holdsworth, 1, 2 Sheraz Nazir, 1 Emma McGowan

1 University Hospitals Coventry and Warwickshire NHS Trust, Clifford Bridge Road, Coventry CV2 2DX

2 Coventry and Warwickshire ICB, Shire Hall, Warwick CV32 4RL

P28

An Innovative Cardiac Rehabilitation Program Tailored for the Greek Community in Melbourne, Australia

Kath Kelly

Cardiac Rehabilitation Service, The Royal Melbourne Hospital, Melbourne, Victoria, Australia

P29

Use of CT coronary angiography in the investigation of chest pain: A district general hospital experience

Zakirullah Khan, Cameron wright, Usama Al-Siyabi, Shifa Puri, Kaviarasan Thiruselvan, Syed Saboor, Rameez

Ahmed, Sozan Morsy, Salman Roghani, Sunil K Nadar

Dudley group of hospitals NHS trust, Dudley, UK

P30

The Role of AI tools in Supporting Cardiovascular Lifestyle Behaviour Change

Sahar Khonsari, Nicola Rea, Coral Hanson, Sheona McHale, Lis Neubeck

School of Health and Social Care, Edinburgh Napier University, Sighthill Campus, Sighthill Court, Edinburgh EH11

4BN, UK

P31

The Cardiac Distress Inventory- Short Form (CDI-SF) is a sensitive psychological screen

Goran Lukic and Olivia Siegfried

Physiotherapy Outpatients Department, Wythenshawe Hospital, Manchester University NHS Foundation Trust, Southmoor Road, M23 9LT

P32

Ascertaining the potential for hypoglycaemia during exercise in cardiac patients on SGLT-2 inhibitors

1 Oshin Fernandes, 1 Olivia Hudson, 1 Aaron Singh, 2 Charlotte Wensley, 2 Mya Biberovic, 2 Isobel Wilson, 2 Amelia Priddey, 3 Derek Connolly, 1 **Christos Lykidis**.

1. Cardiac Rehabilitation, City Health Campus, Dudley Road, B18 7QH, Birmingham, UK.

2. School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham, Edgbaston, B15 2TT, Birmingham, UK.

3. Medical School, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK

P33

A qualitative service evaluation exploring the Multi-Disciplinary Teams' perspectives on an Advanced Practice role within a Cardiac Rehabilitation service

Iona McLaren, Cardiac Rehabilitation Nurse Practitioner
 Janyne Afseth (Academic Supervisor), Principal Lecturer
 Cardiac Rehabilitation Department, NHS Grampian
 Ashgrove House, Aberdeen Royal Infirmary, Foresterhill Health Campus, Foresterhill Road, Aberdeen, Scotland, UK, AB25 2ZN.
 Robert Gordon University, School of Health, Ishbel Gordon Building, Garthdee Road, Aberdeen, AB10 7QE

P34

Mind the Gap: Cardiac Rehabilitation Training for Cardiology Registrars in the Peninsula deanery UK

Dr Sarah Merson, Miss Emily Bunclark
 Royal Devon and Exeter Hospital, Exeter, Devon, EX2 5DW

P35

Demonstrating the Value of Cardiac Rehabilitation: A Local Outcomes Study at Royal Devon and Exeter Hospital (RDE)

Dr Sarah Merson, Mrs Karen Goss, Mrs Rebecca Chawner
 Royal Devon and Exeter Hospital, Exeter, Devon, EX25DW

P36

First in man use of targeted, echocardiography guided, photobiomodulation to improve cardiac diastolic function

Dr Scott W Murray, James Carrol
 Venturi Cardiology, Thor Lasers

P37

Development of an outpatient clinic for people with Spontaneous Coronary Artery Dissection

Lis Neubeck, Alice Pearsons, Dave Adlam, Anne Scott, Clare Murphy, and Coral Hanson
 Edinburgh Napier University
 Wroclaw Medical University Hospital
 University of Leicester
 NHS Forth Valley

P38

Setting research priorities for the use of digital technology in the prevention and management of heart health: the results of the James Lind Priority Setting Partnership

Lis Neubeck ^{1,2,3}, Simon Nichols ¹, Nicola Straiton ^{4,5}, Louise J Dunford ⁶, Amitava Banerjee ⁷, Susan Dawkes ^{1,8}, Donna Fitzsimons ⁹, Maria Hayes ^{10,11}, Alistair Lawson ¹², Abigail A Lyons ¹³, Mary McAuley ¹⁴, Jill McLaggan ¹⁵, Richard Mindham ¹⁶, Nicholas L Mills ¹⁷, Rakesh Modi ¹⁸, Alice Pearsons ¹, Amanda Pitkethly ¹⁹, Fiona E Strachan ²⁰, Coral L Hanson ^{1, 21}

¹ Edinburgh Napier University, Centre for Cardiovascular Health, School of Health and Social Care, Sighthill Campus, Edinburgh EH11 4DN, UK.

² University of Sydney, Sydney Nursing School, Charles Perkins Centre, Johns Hopkins Road, Sydney, NSW 2006, Australia.

³ Department of Nursing, Faculty of Nursing and Midwifery, Wroclaw Medical University, 51-618 Wroclaw, Poland

⁴ Nursing Research Institute, St Vincent's Health Network Sydney, St Vincent's Hospital Melbourne, Australian Catholic University, Sydney, New South Wales, Australia

⁵ School of Nursing, Midwifery and Paramedicine, Australian Catholic University, Sydney, Australia.

⁶ University of Warwick, Warwick Medical School, Coventry, CV4 7AL, UK.

⁷ Institute of Health Informatics, University College London, London, UK. NW1 2DA

⁸ School of Nursing and Midwifery, Edith Cowan University, Western Australia

⁹ School of Nursing & Midwifery, Queen's University Belfast, MBC, 97 Lisburn Rd, Belfast BT97BL

¹⁰ School of Nursing, Midwifery and Health Science, University College Dublin, Ireland

¹¹ Cardiac Surgery Department, Blackrock Clinic, Dublin, Ireland

¹² Edinburgh Napier University, Centre for Cardiovascular Health, School of Computing, Engineering and Built Environment, Merchiston Campus, Edinburgh EH10 5DT, UK.

¹³ Digital Health & Care Innovation Centre, 1st floor, Suite B, Inovo Building, 121 George St, Glasgow, G1 1RD

¹⁴ NHS National Research Scotland, Cardiovascular Research Network, Research Institute, NHS Golden Jubilee, Beardmore Street, Clydebank, G81 4HX

- 15 Patient who has had spontaneous coronary artery dissection and has microvascular angina
 16 Patient with heart failure
 17 BHF Centre for Cardiovascular Science, University of Edinburgh, Edinburgh EH16 4SU, United Kingdom
 18 Primary Care Unit, Department of Public Health and Primary Care Unit, University of Cambridge, Strangeways Research Laboratory, 2 Worts' Causeway, Cambridge, CB1 8RN
 19 Edinburgh Napier University, Centre for Cardiovascular Health, School of Applied Sciences, Sighthill Campus, Edinburgh EH11 4DN, UK.
 20 Centre for Medical Informatics, Usher Institute, Edinburgh University, Edinburgh, EH16 4UX
 21 Department of Cardiovascular Sciences, University of Leicester, University Rd, Leicester LE1 7RH

P39

Bringing Heart Health to the Community: A Real-World Study of Rapid Lipid Testing for At-Risk Individuals

Kiran Roest¹, Catherine Kelly², Tracy Marshall², Emily Whales², Lisa Taylor³, Rachel Hatfield³, Kate Bunyan¹, Luke Dawson¹, Steve Roest¹, **Julia Newton**²

1. PocDoc, Vital Signs Solutions Ltd, Cambridge, UK
2. Health Innovation North East and North Cumbria, UK
3. Howbeck Healthcare, Cheshire, UK

P40

Investigating the Impact of implementing a static Band 5 Physiotherapist post within NHS Forth Valley cardiac rehabilitation service

Morgan Nisbet MSc Physiotherapy, BSc Physical Activity, Health and Wellbeing.

Physiotherapist, Cardiac Rehabilitation, Cardiology Department, NHS Forth Valley, morgan.nisbet@nhs.scot

P41

Haemodynamic and Cardiopulmonary Adaptations to High-Volume Recreational Race Training in Heart Failure with Reduced Ejection Fraction: A 15-Month Single-Case Study

Dr. Anand Patil

Senior Fellow in Clinical Cardiology, Medicover Hospital, Navi Mumbai, India

Dr. ABP Research Institute for Fitness & Rehab, Mumbai, India

P42

What mechanism(s) underpin successful risk reduction and lifestyle modification in atrial fibrillation: A realist qualitative study

Alice Pearsons¹, Coral L Hanson^{1,2}, Jeroen Hendricks^{3,4,5}, Lis Neubeck^{1,6,7}

- 1 Centre for Cardiovascular Health, School of Health and Social Care, Edinburgh Napier University, Sighthill Campus, Edinburgh, EH11 4BN
- 2 Department of Cardiovascular Sciences, University of Leicester, University Rd, Leicester LE1 7RH
- 3 Department of Nursing, Maastricht University Medical Centre, Maastricht, The Netherlands
- 4 Department of Health Services Research, Care and Public Health Research Institute, Maastricht University, Maastricht, The Netherlands
- 5 Centre for Heart Rhythm Disorders, University of Adelaide and The Royal Adelaide Hospital, Adelaide, Australia
- 6 University of Sydney, Sydney Nursing School, Charles Perkins Centre, Johns Hopkins Road, Sydney, NSW 2006, Australia
- 7 Department of Nursing, Faculty of Nursing and Midwifery, Wroclaw Medical University, 51-618 Wroclaw, Poland

P43

Designing a recovery intervention for Spontaneous Coronary Artery Dissection: A person-based approach co-design study

Alice Pearsons, (1), Coral L Hanson, (1,2), Andrew Steven, (1), Lis Neubeck (1,3,4)

- 1 Centre for Cardiovascular Health, School of Health and Social Care, Edinburgh Napier University, Sighthill Campus, Edinburgh, EH11 4BN
- 2 Department of Cardiovascular Sciences, University of Leicester, University Rd, Leicester LE1 7RH
- 3 University of Sydney, Sydney Nursing School, Charles Perkins Centre, Johns Hopkins Road, Sydney, NSW 2006, Australia
- 4 Department of Nursing, Faculty of Nursing and Midwifery, Wroclaw Medical University, 51-618 Wroclaw, Poland

P44

Increasing National Audit of Cardiac Rehabilitation Certification across north London

Kelly Read¹, Katrina Carter², Judith Colley³.

¹NHS North London Cardiac Operational Delivery Network, hosted by Barts Health NHS Trust, Ground Floor, Pathology and Pharmacy Building, The Royal London Hospital, 80 Newark Street, London, E1 2ES, United Kingdom.

²NHS North London Cardiac Operational Delivery Network, hosted by Barts Health NHS Trust, Ground Floor, Pathology and Pharmacy Building, The Royal London Hospital, 80 Newark Street, London, E1 2ES, United Kingdom.

³Barts Health NHS Trust, Ground Floor, Pathology and Pharmacy Building, The Royal London Hospital, 80 Newark Street, London, E1 2ES, United Kingdom.

P45

Effect of Ivabradine in patients with heart failure with preserved ejection fraction: A Meta analysis

Dr. Samantha Katrina S. Reyes¹ & Dr. Jespeed Marvel Delos Santos¹

¹ HB Calleja Heart & Vascular Institute, St. Luke's Medical Center, Quezon City, Philippines

P46

Feasibility of a Hospital-Based Vigorous Aerobic and Resistance Exercise Intervention During Chemotherapy in Women with Breast Cancer: A Randomised Controlled Trial Protocol

1MSc **Samantha Elizabeth Ruilova Medina**, 2Dr John Michael Saxton, 3Dr Rebecca Vince, 4Dr Andrew Simpson, 5Dr Amandeep Singh Dhadha, 6Dr Mohan Hingorani, 7Dr Rajarshi Roy, 8Dr Marie McLaughlin.

1-4School of Sport, Exercise & Rehabilitation Sciences, The University of Hull, Cottingham Road Hull, HU6 7RX, Hull;

5-7Queen's Centre for Oncology & Haematology, Hull University Hospitals NHS Trust, Castle Hill Hospital, Castle Road, Hull, HU16 5JQ, UK; 8Physical Activity for Health Research Centre, Institute for Sport, P.E. and Health Sciences Moray House School of Education and Sport Holyrood Road, Edinburgh, EH8 8AQ, UK.

P47

Cardiovascular Disease Mortality in Kuwait: A National Review

Ahmad Salman

Department of Public Health Practice, College of Public Health, Kuwait University, P.O. Box 24923, Safat 13110, Kuwait

P48

Audit on the management of lipids in patients after an acute coronary syndrome

Omar Shariff¹, Ruchika Malhotra¹, Ananya Nair¹, Ryan Tennyson¹, Amar Bhagania¹, Hamid Ullah¹, Muqheet Enver¹, Sunil Nadar¹

¹Department of Cardiology, Russells Hall hospital, Dudley, DY1 2HQ, UK

P49

Cardiac Rehabilitation Services Must Evaluate Their Own Data to improve uptake: Lessons from a Study on Improving CR uptake in Coventry

Anna Steward

University Hospital's Coventry and Warwickshire, Clifford Bridge Rd, Coventry, CV2 2DX

P50

REACH-HFpEF: An update of the largest global rehabilitation trial in people with preserved ejection fraction

Rod S Taylor^{1,2}, Chim C Lang³, Emma Burrell², Anna Placzek² and on behalf of the REACH-HF trial collaboration

¹MRC/CSO Social and Public Health Sciences Unit, University of Glasgow, Glasgow, United Kingdom.

²Robertson Centre for Biostatistics, University of Glasgow, Glasgow, United Kingdom.

³Division of Cardiovascular Research, University of Dundee, Dundee, UK