



# Lifelong Learning

## EP Traces Course - LIVE: Sunday 3 October 2021

**Chair: Simon Modi, Vishal Luther**

**Liverpool, UK,  
Liverpool, UK**

Welcome, course objectives, and "how to approach the unknown tracing"

EP Traces Session 1

EP Traces Session 2

EP Traces Session 3



## Heart Rhythm Trainees 1 - On-demand

| Chair: Heather Edwards, Nikhil Ahluwalia  |                 | Cardiff, UK, London, UK |
|---|-----------------|-------------------------|
| Clinical benefit of rhythm control therapy: A shift from treating symptomatic to all patients | Paulus Kirchhof | Hamburg, DE             |
| Management of arrhythmias in the cardiac transplant patient                                   | Manish Kalla    | Birmingham, UK          |
| Debate: PVI should be the index ablation strategy for all persistent AF — For                 | Tim Betts       | Oxford, UK              |
| Debate: PVI should be the index ablation strategy for all persistent AF — Against             | Neil Srinivasan | Leeds, UK               |



## Heart Rhythm Trainees 2 - On-demand

| Chair: Heather Edwards, Nikhil Ahluwalia                |                    | Cardiff, UK, London, UK |
|---|--------------------|-------------------------|
| Indications and techniques for conduction system pacing | Kenneth Ellenbogen | Richmond, US            |
| How to approach transvenous lead extraction             | Neil Grubb         | Edinburgh, UK           |



## Basic Science Primer — Bench to Bedside - On-demand

**Chair: Gwilym Morris, Malcolm Finlay**

**Manchester, UK,  
London, UK**

### 1. Inflammation and AF

Bench: The Inflammasome — coming to an AF patient near you?

Barbara Casadei

Oxford, UK

Bed: Hot AF: inflammation, adiposity, fibrillation and substrate modification!

Vishal Vyas

London, UK

### 2. Advances in mapping of complex arrhythmia

Bench: Fancy equations, inverse solutions and mathematical somersaults — the new tricks behind mapping of complex arrhythmias

Pawel Kuklik

Hamburg, DE

Bed: Do you see what I see? What new mapping technologies tell us about chaotic rhythms

Claire Martin

Cambridge, UK

### 3. VT ablation

Modelling the arrhythmic substrate: do we know the mechanisms, and can we predict risk?

Jenny Wang

Oxford, UK

Bed: Why doesn't VT ablation work? What should I target in the cath lab?

Neil Srinivasan

Leeds, UK



## Cardiac Physiology and Science Update - On-demand

| Chair: Cristiana Monteiro, Shouvik Halder  |                | Oxford, UK,<br>London, UK |
|--|----------------|---------------------------|
| Is there a place for cardiac scientists in ACHD EP and devices?                                  | Holly Daw      | London, UK                |
| The MDT — how can we integrate nursing and other allied professions into device and EP services? | Rebecca Imms   | Oxford, UK                |
| The era of digitalisation of healthcare and its impact on cardiac physiology services            | Elisabete Vaz  | Lisbon, PT                |
| The pandemic effect on in-person device clinics and Remote Monitoring. Change and opportunity    | Ross Haynes    | London, UK                |
| The cardiac scientist of the future  | Vicky Harrison | Blackpool, UK             |



## Nurses 1 - On-demand

| Chair: Catherine Laventure, Sarah Clarke                        |                 | Peterborough, UK,<br>Essex, UK |
|---|-----------------|--------------------------------|
| VT storm — management options and outcomes                      | Neil Srinivasan | Leeds, UK                      |
| The Somerset Sudden cardiac Death Pathway — 10 year story       | Janice Bailey   | Taunton, UK                    |
| The future role of S-ICD — should we be using S-ICD more often? | Duncan Field    | Colchester, UK                 |
| Considerations for mainstreaming genomics in cardiology         | Janice Bailey   | Taunton, UK                    |



## Nurses 2 - On-demand

| Chair: Catherine Laventure, Sarah Clarke   |                     | Peterborough, UK,<br>Essex, UK |
|--|---------------------|--------------------------------|
| Developing the cardiovascular nurse researcher   | Tootie Bueser       | London, UK                     |
| Remote monitoring and how the COVID-19 pandemic has improved our practice and patient outcomes | Joe Shipton         | Basildon, UK                   |
| The rhythm is gonna get you! The need for an arrhythmia nurse in the ED                        | Catherine Laventure | Peterborough, UK               |
| Nurse-led palpitations clinics in secondary care   | Kay Elliott         | Dorset, UK                     |



## Digital Technology - On-demand

| Chair: Lis Neubeck, Martin Cowie   |  | Edinburgh, UK, London, UK  |
|--|--|--|
| Wearables for AF detection   | Pier Lambiase  | London, UK   |
| Remote monitoring in HF: Implantables and wearables                                      | Arvind Singhal   | London, UK   |
| Managing the tsunami of data   | Sophia Jones   | London, UK   |
| Chair: Lis Neubeck   |  | Edinburgh, UK  |
| Roundtable discussion: The GP, the pharmacist, the nurse, the cardiologist & the patient | Lis Neubeck, Raj Thakkar, Shouvik Haldar , Trudie Lobban(MBE), Zainab Khanbhai | Edinburgh, UK, Buckingham, UK, London, UK, Stratford Upon Avon, UK, London, UK |





## BHRS EGM Championship - LIVE: Monday 4 October 2021

|                            |   |   |
|----------------------------|---|---|
| <b>Chair: Stuart Allen</b> |   | <b>Manchester, UK</b>                     |
| Panel                      | Christopher Monkhouse, Honey Thomas, Paul Doherty | London, UK, Northumbria, UK, Solihull, UK |



## BHRS Physiologist Session: Remote Monitoring — Service Development - On-demand

| Chair: Claire O'Neill, Jason Collinson              |                   | London, UK, Basildon, UK |
|---|-------------------|--------------------------|
| Monday motivation — managing the workload!          | Josh Mundy        | Ipswich, UK              |
| ADMIN! The key component to a successful service    | Ian Pinnell       | Oxford, UK               |
| Remote alerts — practical tips: What, when and how? | Charlotte Mehegan | Bury St. Edmunds, UK     |
| Innovative ways of delivering patient information   | Lydia Bradley     | Wolverhampton, UK        |



## Telehealth And The Clinical Legacy Of A Pandemic - On-demand

| Chair: Angela Griffiths, Matthew Fay  |                 | Oxford, UK, Bradford, UK |
|---|-----------------|--------------------------|
| The rise of smart wearables due to the pandemic   | Jeroen Hendriks | Adelaide, AU             |
| Palpitations detection and investigation in primary care  | Matthew Fay     | Bradford, UK             |
| Tertiary care — arrhythmia clinics: Current and future challenges in the global pandemic. How are we managing our specialist referrals? | Matt Ginks      | Oxford, UK               |
| Device clinics: A cardiac physiologist view on how the global pandemic has impacted changes in managing device patients                 | Karen Potts     | Middlesbrough, UK        |
| Anticoagulation clinics in a time of COVID  | Hayley Flavell  | Bournemouth, UK          |



## **Arrhythmia Alliance & Heart Rhythm Society joint Session: From A (Atrial Fibrillation) to V (Ventricular Arrhythmias) — Optimizing Arrhythmia Care in the Next Decade - On-demand**

| <b>Chair: Fred Kusumoto</b>  |                  | <b>Jacksonville, US</b> |
|--|------------------|-------------------------|
| Atrial fibrillation ablation in 2021: Who, when, and how?                    | Hugh Calkins     | Baltimore, US           |
| Patient generated data: Friend or foe?                                       | Thomas Deering   | Atlanta, US             |
| Syncope and falls in the elderly: Individual patient care to systems of care | Win-Kuang Shen   | Arizona, US             |
| Preventing sudden death: What's next?  | Christine Albert | Los Angeles, US         |



## Arrhythmia Alliance & BHRS Joint Session - On-demand

| Chair: Alistair Slade  |                           | Truro, UK                  |
|--|---------------------------|----------------------------|
| BHRS Remote Monitoring Survey - What have the data revealed? | Eleri Gregory, Ian Wright | Manchester, UK, London, UK |
| A-A Remote Monitoring Survey - What have the data revealed?  | Trudie Lobban(MBE)        | Stratford Upon Avon, UK    |



## Music: An Underutilised Tool in Neurocardiology - On-demand

Programme notes and video coming soon.

Elaine Chew, Pier Lambiase

Paris, FR, London, UK

## Patients Day

### Arrhythmia Alliance Patients Day - On-demand

#### UNDERSTANDING MY ARRHYTHMIA

**Chair: Kim Rajappan**

**Oxford, UK**

I thought SVT was just one type of rhythm disturbance!

Shouvik Haldar

London, UK

Are SVTs life threatening?

Cristiana Monteiro

Oxford, UK

What is the difference between supraventricular tachycardia and inappropriate sinus tachycardia?

Matt Ginks

Oxford, UK

Understanding the inherited arrhythmias (Long QT vs. CPVT vs. Brugada syndrome)

Jan Till

London, UK

SMART WEARABLES: WHAT ARE THE PROS AND CONS?

**Chair: Shouvik Haldar**

**London, UK**



|  |                    |                     |
|--|--------------------|---------------------|
| Everything I need to know about smart wearable devices                   | Jeroen Hendriks    | Adelaide, AU        |
| Patch monitors: What are the different types available? (CAM Patch)      | Gust Bardy         | Seattle, US         |
| What's new on the horizon for mobile ECG?                                | David Albert       | Los Angeles, US     |
| Digital technology: The impact on diagnosing and monitoring arrhythmias  | Shouvik Halder     | London, UK          |
| Innovation in arrhythmia detection tools                                 | Sana Al-Khatib     | Durham, US          |
| MENTAL WELLBEING AND HEALTHY LIVING                                      |                    |                     |
| <b>Chair: Shona Holding</b>  |                    | <b>Bradford, UK</b> |
| Keeping your heart happy with exercise and healthy eating                | Helen Eftekhari    | Coventry, UK        |
| Alternative therapy (mindfulness, CBT, yoga)                             | Helen Hodgson      | Bath, UK            |
| INNOVATION AND CLINICAL TRIALS   |                    |                     |
| <b>Chair: Sotiris Antoniou</b>   |                    | <b>London, UK</b>   |
| I have been asked to participate in a clinical trial — what should I do? | Lis Neubeck        | Edinburgh, UK       |
| Benefits of clinical trials  | Benjamin Steinberg | Utah, US            |
| BENEFITS OF RESEARCH: WHAT WE KNOW NOW!                                  |                    |                     |



| Chair: Derek Connelly, Matthew Fay          |                  | Glasgow, UK,<br>Bradford, UK |
|---|------------------|------------------------------|
| COVID and arrhythmias: What do we know now? | Sotiris Antoniou | London, UK                   |
| Updated arrhythmia research                 | Jonathan Piccini | Durham, US                   |
| Long COVID and arrhythmias                  | Afzal Sohaib     | London, UK                   |





## AF Association Patients Day - On-demand

ATRIAL FIBRILLATION: WHAT YOU SHOULD KNOW!

**Chair: Matthew Fay**

**Bradford, UK**

What is the difference between paroxysmal, persistent and permanent AF?

Matthew Fay

Bradford, UK

What is atrial flutter and how does it differ from AF?

Nicholas Tullo

New Jersey, US

Snoring and AF....

Will Foster

Worcester, UK

I have AF but have not seen a specialist - does that matter?

Cristiana Monteiro

Oxford, UK

TREATMENT/THERAPY - ASSESSING APPROPRIATE TREATMENT OPTIONS

**Chair: Sotiris Antoniou**

**London, UK**

Anticoagulation - side effects and what if I forget to take them?

Vishal Luther

Liverpool, UK

I can't take anticoagulation - am I suitable for left atrial appendage occlusion?

Sandeep Panikker

Coventry, UK

My doctor has recommended a cardioversion — what should I expect?

Will Foster

Worcester, UK



|  |                           |                                |
|--|---------------------------|--------------------------------|
| My doctor has recommended ablation — what should I expect?                       | Hugh Calkins              | Baltimore, US                  |
| I have been offered freezing or burning for my ablation - which should I choose? | Dhiraj Gupta              | Liverpool, UK                  |
| Jeanette's story   |                           |                                |
| AF AND HEART FAILURE   |                           |                                |
| <b>Chair: Klaus Witte</b>  |                           | <b>Leeds, UK</b>               |
| How can I stop my heart from failing — preventative measures and symptoms?       | Henry Oluwasefunmi Savage | Essex, UK                      |
| AF and heart failure: What does it mean and how can it be treated?               | Jonathan Piccini          | Durham, US                     |
| AF GUIDELINES  |                           |                                |
| <b>Chair: Trudie Lobban(MBE)</b>   |                           | <b>Stratford Upon Avon, UK</b> |
| European Guidelines - what should patients be aware of?                          | Gerhard Hindricks         | Leipzig, DE                    |
| American Guidelines - what should patients be aware of?                          | Jonathan Piccini          | Durham, US                     |
| UK Guidelines (NICE & SIGN) - what should patients be aware of?                  | A. John Camm              | London, UK                     |
| NICE GUIDELINES  |                           |                                |



Diagnosis and management of atrial fibrillation:  
Key recommendations for patients

Trudie Lobban(MBE)

Stratford Upon  
Avon, UK

#### MENTAL WELLBEING AND HEALTHY LIVING

**Chair: Shona Holding**

**Bradford, UK**

Keeping your heart happy with exercise and  
healthy eating

Helen Eftekhari

Coventry, UK

Alternative therapy (mindfulness, CBT, yoga)

Helen Hodgson

Bath, UK

Living with AF: Life after diagnosis. I am worried  
about my AF - should I be?

Angela Griffiths

Oxford, UK

#### BENEFITS OF RESEARCH: WHAT WE KNOW NOW!

**Chair: Matthew Fay**

**Bradford, UK**

Benefits of clinical trials – CABANA Trial

Benjamin Steinberg

Utah, US

The importance of patients in RATE AF

Mary Stanbury

Birmingham, UK

Long COVID and AF

Afzal Sohaib

London, UK



## STARS Patients Day - On-demand

FAINTING, HAVE YOU SEEN THE STARS?

| Chair: Richard Sutton                                      |                  | Monte Carlo, MC |
|--|------------------|-----------------|
| No faint is a simple faint                                 | Nicholas Tullo   | New Jersey, US  |
| Syncope as we grow older                                   | Lara Mitchell    | Glasgow, UK     |
| Highs and lows of blood pressure                           | Matthew Fay      | Bradford, UK    |
| Situational syncope and the distress it can cause          | Nicholas Gall    | London, UK      |
| Not all seizures are due to epilepsy                       | Paul Cooper      | Manchester, UK  |
| Psychological effects of syncope in patients young and old | Roopinder Sandhu | Alberta, CA     |

MY SYNCOPE JOURNEY

| Chair: Trudie Lobban(MBE)              |                    | Stratford Upon Avon, UK |
|--|--------------------|-------------------------|
| RAS with a toddler and life thereafter | Emily Almeida-King | Cambridgeshire, UK      |

THE PAEDIATRICS' HOUR: RAS (REFLEX ANOXIC SEIZURES)

| Chair: Matthew Fay |  | Bradford, UK |
|--------------------|--|--------------|
|--------------------|--|--------------|



|  |                    |                         |
|--|--------------------|-------------------------|
| Preparing for school, clubs and swimming   | Trudie Lobban(MBE) | Stratford Upon Avon, UK |
| How is a definitive diagnosis of RAS made and underlying heart conditions ruled out? |                    |                         |
| RAS: Why are pacemakers and drugs rarely advised?                                    | Karen McLeod       | Glasgow, UK             |
| RAS & syncope: What's the difference?  | Iain Parsons       | Birmingham, UK          |
| DEVICES AND THEIR BENEFITS   |                    |                         |
| <b>Chair: Richard Sutton</b>   |                    | <b>Monte Carlo, MC</b>  |
| How do ECGs, tilt table testing, and ICMs lead to a diagnosis?                       | Will Foster        | Worcester, UK           |
| What do pacemakers actually do?  | Cristiana Monteiro | Oxford, UK              |
| How will having a pacemaker affect my daily life?                                    | Nicholas Gall      | London, UK              |
| Ciara's story  |                    |                         |
| Irina's story  |                    |                         |
| Janet & Ross' story  |                    |                         |
| MENTAL WELLBEING AND HEALTHY LIVING  |                    |                         |
| <b>Chair: Shona Holding</b>  |                    | <b>Bradford, UK</b>     |



|   |                 |                       |
|---|-----------------|-----------------------|
| Keeping your heart happy with exercise and healthy eating | Helen Eftekhari | Coventry, UK          |
| Alternative therapy (mindfulness, CBT, yoga)              | Helen Hodgson   | Bath, UK              |
| POTS AND INNOVATION: LIGHT AT THE END OF THE TUNNEL       |                 |                       |
| <b>Chair: Nicholas Tullo</b>                              |                 | <b>New Jersey, US</b> |
| POTS  | Blair Grubb     | Toledo, US            |
| Physical reconditioning in PoTS: What do I need to do?    | Anita Kiernan   | Manchester, UK        |
| POTS and Long COVID: Which causes which?                  | Melanie Dani    | London, UK            |
| Syncope research - what is new on the horizon?            | Robert Sheldon  | Calgary, CA           |



## Industry Sessions - On-demand

Boston Scientific - Rosemary's Story: My journey to receiving a pacemaker

Boston Scientific - MyLATITUDE Patient App how-to-guide

Sky Labs - What is CART and How to use CART

## Syncope & Inherited Conditions

### STARS Symposia - On-demand

| Chair: Nicholas Gall  |                  | London, UK      |
|---|------------------|-----------------|
| Why the active stand is an incomplete investigation of syncope          | Richard Sutton   | Monte Carlo, MC |
| Where are we after BIOSYNC?   | Michele Brignole | Milan, IT       |
| Is recurrent syncope in patients paced for vasovagal syncope a problem? | Richard Sutton   | Monte Carlo, MC |
| The latest on atomoxetine therapy for vasovagal syncope                 | Robert Sheldon   | Calgary, CA     |
| Chair: Boon Lim   |                  | London, UK      |



|   |                  |                        |
|---|------------------|------------------------|
| 'Syncope Spotlight Project for Primary Care Physicians' ?                                     | Lesley Kavi      | Warwickshire, UK       |
| Cardiovascular autonomic disturbances in long COVID: The UK perspective                       | Nicholas Gall    | London, UK             |
| If we were to revise ESC Guidelines on Syncope now. What would we change?                     | Richard Sutton   | Monte Carlo, MC        |
| Tilt vs ICM/ILR   | Robert Sheldon   | Calgary, CA            |
| <b>Chair: Richard Sutton</b>  |                  | <b>Monte Carlo, MC</b> |
| Long COVID: The UK perspective  | Lesley Kavi      | Warwickshire, UK       |
| Long COVID: The Swedish perspective   | Artur Fedorowski | Stockholm, SE          |
| Long COVID: The Canadian perspective  | Satish Raj       | Calgary, CA            |
| <b>Chair: Blair Grubb</b>   |                  | <b>Toledo, US</b>      |
| Putting the Canadian consensus on PoTS in context – getting the message out to the generalist | Paula Harvey     | Toronto, CA            |
| PoTS following corona virus   | Blair Grubb      | Toledo, US             |
| Abdominal compression in PoTS   | Satish Raj       | Calgary, CA            |
| What can the cardiopulmonary exercise test tell us about PoTS physiology?                     | Steve James      | London, UK             |





|   |                       |                   |
|---|-----------------------|-------------------|
| Small fibre neuropathy – what is it, how do you diagnose it and how does it link into PoTS? | Jordi Serra           | London, UK        |
| The PoTS bladder: Characteristic findings and why you should be interested                  | Nicholas Faure Walker | London, UK        |
| Setting up a syncope service  | Lara Mitchell         | Glasgow, UK       |
| Midodrine for the prevention of vasovagal syncope: POST 4 results                           | Robert Sheldon        | Calgary, CA       |
| The long term clinical and economic burden of recurrent unexplained syncope                 | Sanjiv Petkar         | Wolverhampton, UK |



## **AICC - Arrhythmia Management in the Inherited Cardiac Conditions - LIVE: Tuesday 5 October 2021**

| <b>Chair: Jan Till, Sam Mohiddin, Stephen Page</b>   |                   | <b>London, UK,<br/>London, UK, Leeds,<br/>UK</b> |
|--|-------------------|--|
| Managing an electrical storm in IVF/Brugada syndrome | Bernard Belhassen | Jerusalem, IL                                    |
| Managing an electrical storm in Long QT Syndrome     | Dominic Abrams    | Boston, US                                       |
| LIVE PRESENTATIONS                                   |                   |  |
| LIVE: Managing AF in hypertrophic cardiomyopathy     | Pier Lambiase     | London, UK                                       |
| LIVE: Managing AF in dilated cardiomyopathy          | Derick Todd       | Liverpool, UK                                    |

## **Clinical EP**

### **Arrhythmia Alliance Symposia 1 - On-demand**

| <b>Chair: Fozia Ahmed</b> | <b>Manchester, UK</b> |
|---------------------------|-----------------------|
| ORGANISATIONAL ISSUES     |                       |



|   |                |                        |
|---|----------------|------------------------|
| Implications of national cardiology GIRFT report for CRM - is it realistic or aspirational (or delusional)?                 | Nick Linker    | Middlesbrough, UK      |
| Device follow up 2021 - what is frequency of optimal device follow up   | John Paisey    | Southampton, UK        |
| Remote monitoring for all - implications and affordability for a bradycardia population                                     | Caroline Green | Manchester, UK         |
| Should leadless pacemakers be new standard of care in bradycardia pacing - implications for UK practice: Present and future | Chris Pepper   | Leeds, UK              |
| <b>Chair: Honey Thomas</b>  |                | <b>Northumbria, UK</b> |
| CHALLENGES IN CARDIAC PACING  |                |                        |
| Cardiac pacing - His bundle, septal and LBBB pacing or keep it simple   | Paul Foley     | Swindon, UK            |
| Leadless CRT  | Aldo Rinaldi   | London, UK             |
| Device complications - how to minimise risk   | Honey Thomas   | Northumbria, UK        |
| Challenging device cases: Venoplasty tips and tricks  | Andrew Turley  | Middlesbrough, UK      |
| MRI and cardiac devices: Why is this still an issue?  | Martin Lowe    | London, UK             |
| <b>Chair: Lee Graham</b>  |                | <b>Leeds, UK</b>       |



## MISCELLANEOUS

|  |                |                         |
|--|----------------|-------------------------|
| ECG - practical tips and tricks for the non specialist   | Stephen Murray | Newcastle Upon Tyne, UK |
| Cardiac anatomy for CRM specialist                       | Sabine Ernst   | London, UK              |
| Arrhythmias during pregnancy                             | Dawn Adamson   | Coventry, UK            |
| Ventriular ectopy - when to worry and management options | Lee Graham     | Leeds, UK               |
| Arrhythmias in athletes: What to do?                     | David Begley   | Cambridge, UK           |

## Chair:

## ICD THERAPY

|  |                  |                      |
|--|------------------|----------------------|
| Primary prevention ICD therapy - time for a rethink      | Andrew Flett     | Southampton, UK      |
| Dilated cardiomyopathy - what is OMT in 2021             | Matthew Dewhurst | Stockton on Tees, UK |
| LV remodelling - when to decide on device therapy in DCM | Roy Gardner      | Glasgow, UK          |
| Predicting SCD: Beyond EF                                | Andre Ng         | Leicester, UK        |
| ATP or no ATP for primary prevention ICDs                | Neil Herring     | Oxford, UK           |



## Arrhythmia Alliance Symposia 2 - Emerging Technologies and New Practices in Cardiac Management - On-demand

| Chair: Dhiraj Gupta, Tim Betts                            |                    | Liverpool, UK, Oxford, UK |
|---|--------------------|---------------------------|
| Pulsed field ablation of AF                               | Pierre Jais        | Bordeaux, FR              |
| Advances in leadless pacing                               | Vivek Reddy        | New York, US              |
| COVID-19 and remote monitoring - lessons for the future   | Cristiana Monteiro | Oxford, UK                |
| Cardiac radiotherapy for VT                               | Ross Hunter        | London, UK                |
| Sources and contemporary recordings of electrocardiograms | Andrew Grace       | Cambridge, UK             |
| Laser ablation  | Scott Gall         | Blackpool, UK             |



## Year in Review 1 - On-demand

| Chair: Claire Martin                          |            | Cambridge, UK |  |
|---|------------|---------------|--|
| Ventricular arrhythmia                        | John Sapp  | Halifax, CA   |  |
| AF  | Jon Kalman | Melbourne, AU |  |
| What's on the horizon – the next 24-26 months | Paul Zei   | Boston, US    |  |



## Year in Review 2 - On-demand

| Chair: Robert Sheldon |                    | Calgary, CA      |  |
|-----------------------|--------------------|------------------|--|
| Bradycardia           | Kenneth Ellenbogen | Richmond, US     |  |
| ICDs / CRT            | Andrew Epstein     | Pennsylvania, US |  |
| Syncope               | Robert Sheldon     | Calgary, CA      |  |



## AF Association Symposia 1 - What do the new ESC AF guidelines really mean? - On-demand

| Chair: Richard Schilling  |                     | London, UK    |
|---|---------------------|---------------|
| Should we adopt a comprehensive characterisation of AF patients         | Tatjana Potpara     | Belgrade, RS  |
| How much can AF be managed by adopting a healthy lifestyle?             | Prashanthan Sanders | Adelaide, AU  |
| How do we pick rhythm control for our AF patients?                      | Paulus Kirchhof     | Hamburg, DE   |
| How much can the AF patient be involved in making management decisions? | Deirdre Lane        | Liverpool, UK |





## AF Association Symposia 2 - Ablation session - On-demand

| Chair: Derick Todd, Tim Betts   |                       | Liverpool, UK,<br>Oxford, UK |
|---|-----------------------|------------------------------|
| What QoL reduction related to AF is necessary to make ablation a worthwhile procedure and how do we measure it? | Kim Rajappan          | Oxford, UK                   |
| What should we do in addition to PVI for 1st time persistent AF – the posterior box or something else?          | Dhiraj Gupta          | Liverpool, UK                |
| How to judge when can we stop anticoagulants in post AF ablation when CHADSVASc>1                               | A. John Camm          | London, UK                   |
| Should LAAO isolation & occlusion be part of treatment for persistent AF?                                       | Dhanunjaya Lakkireddy | Kansas, US                   |
| AF ablation to treat heart failure. Therapy or futility?  | Pier Lambiase         | London, UK                   |
| Do better lesions mean better outcomes? Power, force or electroporation – what is the answer?                   | Helmut Puererfellner  | Linz, AT                     |
| How to define AF substrate: Voltage, velocities or late LGE and does it help guide ablation?                    | Andre Ng              | Leicester, UK                |
| How to map atrial fibrillation and identify targets for ablation  | Tom Wong              | London, UK                   |
| Chair: Shouvik Haldar   |                       | London, UK                   |



|  |                 |                      |
|--|-----------------|----------------------|
| Debate: AF ablation as first line therapy - Pro                  | Guy Haywood     | Plymouth, UK         |
| Debate: AF ablation as first line therapy - Con                  | Hugh Calkins    | Baltimore, US        |
| <b>Chair: Andre Ng</b>   |                 | <b>Leicester, UK</b> |
| Debate: Cryo ablation should be the index ablation for all - Pro | Jason Andrade   | Vancouver, CA        |
| Debate: Cryo ablation should be the index ablation for all - Con | Damian Redfearn | Kingston, CA         |



## Ablate & Pace - On-demand

| Chair: Alistair Slade, Derek Connelly   |                 | Truro, UK, Glasgow, UK |
|---|-----------------|------------------------|
| Ablate & pace – the evidence  | Howard Marshall | Birmingham, UK         |
| Patient selection – is it only for failed AF ablation and permanent AF?                   | Claire Martin   | Cambridge, UK          |
| Which CRT patients need AV nodal ablation? And which AV nodal ablation patients need CRT? | Archie Rao      | Liverpool, UK          |
| AV nodal ablation and His bundle pacing – who, how and why?                               | Haran Burri     | Geneva, CH             |
| Programming issues – lower rate limit, mode switching, sensor issues                      | Eleri Gregory   | Manchester, UK         |
| Experience with a novel 2Fr catheter for deep intramyocardial substrate                   | Anthony Li      | London, UK             |



## What came from all the AF Anticoagulation Registries - On-demand

| Chair: Ajay Kakkar, Bernard Gersh |                     | London, UK, Rochester, US |
|-----------------------------------|---------------------|---------------------------|
| GLORIA                            | Gregory Lip         | Liverpool, UK             |
| GARFIELD                          | Jean-Pierre Bassand | Besançon, FR              |
| ORBIT                             | Jonathan Piccini    | Durham, US                |
| PREFER IN AF                      | Ameet Bakhai        | London, UK                |



## Arrhythmias following Cardiac Surgery - On-demand

| Chair: Niall Campbell                                     |                  | Manchester, UK |
|---|------------------|----------------|
| Risk stratification using risk scores - where are we now? | Benjamin O'Brien | Berlin, DE     |
| Post operative AF - who, how and how to prevent           | Bernard Gersh    | Rochester, US  |



## Important New Information about DOAC Therapy for Atrial Fibrillation in Special Situations - On-demand

| Chair: Gregory Lip, A. John Camm                    |                  | Liverpool, UK,<br>London, UK |
|---|------------------|------------------------------|
| 2021 EHRA practical NOAC guide for AF (new edition) | Jan Steffel      | Zurich, CH                   |
| AF, dementia and oral anticoagulation               | Tatjana Potpara  | Belgrade, RS                 |
| AF, diabetes mellitus and oral anticoagulant        | Laurent Fauchier | Tours, FR                    |
| AF, chronic kidney disease and oral anticoagulants  | Reinhold Kreutz  | Berlin, DE                   |



## EP Masterclass 1 - On-demand

| Chair: Ian Wright  |                   | London, UK    |
|--|-------------------|---------------|
| When you don't need an EP study to know the diagnosis        | Andreas Kyriacou  | Sheffield, UK |
| The origin of the different pacing manoeuvres we use in EP   | Aaron Sreenivasan | London, UK    |
| When it's easy to get the diagnosis wrong                    | Sabine Ernst      | London, UK    |
| Focal or re-entrant? Response to entrainment and other clues | Nick Linton       | London, UK    |



## EP Masterclass 2 - On-demand

| Chair: Ashley Nisbet                                 |                  | Bristol, UK   |
|--|------------------|---------------|
| Ablation from the aortic root: ATs, VTs and pathways | David Lefroy     | London, UK    |
| Protecting the phrenic nerve during ablation         | John Silberbauer | Brighton, UK  |
| Mapping and ablation of papillary muscle VEs         | Usha Tedrow      | Boston, US    |
| High power RF ablation: The way forward?             | Andre Ng         | Leicester, UK |





## Heart Failure: a modern approach in 2021 - On-demand

| Chair: Carys Barton, Martin Cowie                            |                  | London, UK, London, UK |
|--|------------------|------------------------|
| What's new in the ESC HF2021 guideline: Diagnosis            | Roy Gardner      | Glasgow, UK            |
| What's new in the ESC HF2021 guideline: Treatment            | Theresa McDonagh | London, UK             |
| Atrial fibrillation and HF: Do we know what we should do?    | Dipak Kotecha    | Birmingham, UK         |
| ICDs for patients with heart failure: do we still need them? | Jonathan Behar   | London, UK             |



## Your Data in the National Audit - Latest Findings and Future Direction - On-demand

| Chair: Alistair Slade, Ashley Nisbet   |                    | Truro, UK, Bristol, UK |
|--|--------------------|------------------------|
| National audit of CRM devices and ablation: key findings from the latest report                          | Francis Murgatroyd | London, UK             |
| Patient reported outcomes in CRM – what’s coming?  | Ashley Nisbet      | Bristol, UK            |
| Use of national registry for device surveillance   | Mark Dayer         | Taunton, UK            |
| What can NICOR do for your centre? New online tools for you to check your data and benchmark your centre | Sue Manuel         | London, UK             |
| How can our CRM audit data be used by the NHS in the future?   | Nick Linker        | Middlesbrough, UK      |



## Research Session - On-demand

| Chair: Aldo Rinaldi, Pier Lambiase                                       |                                 | London, UK,<br>London, UK |
|--|---------------------------------|---------------------------|
| Lessons learned in designing and executing lean, cost-effective trials   | Mark Petrie                     | Glasgow, UK               |
| How to do a meta-analysis and systematic review - the dos and the don'ts | Rui Providencia                 | London, UK                |
| What are the top tier journals looking for in an EP/Devices paper?       | Harry Crijns                    | Maastricht, NL            |
| Public-patient involvement in research - how to do it                    | Yang Chen                       | London, UK                |
| Life as an Arrhythmia Research Nurse - a career worth considering?       | Genine Sambile,<br>Sophie Welch | London, UK, London,<br>UK |



## Hybrid AF therapies: new evidence for the most complex forms of AF - On-demand

|                            |            |            |
|----------------------------|------------|------------|
| Clinical data and outcomes | Riyaz Kaba | London, UK |
| Optimal patient selection  | Syed Ahsan | London, UK |



## Exclusion of the LAA in rhythm control therapies - On-demand

|  |                  |              |
|--|------------------|--------------|
| Thrombogenic and arrhythmogenic roles of the LAA | Tom Wong         | London, UK   |
| Current options to electrically isolate the LAA  | Sandeep Panikker | Coventry, UK |

## Paediatric

### Paediatric - On-demand

SESSION 1 : Management of Paediatric Devices

| Chair: Orhan Uzun, Vinay Bhole   |            | Cardiff, UK,<br>Birmingham, UK |
|--|------------|--------------------------------|
| Biventricular pacing in children: When and how?  | Jan Marek  | London, UK                     |
| ICD implantation in children: When not to do it and why?   | Jan Till   | London, UK                     |
| Wearable arrhythmia monitoring devices, watches and plates: Time to abandon using Holter and even reveal implantation? | Orhan Uzun | Cardiff, UK                    |
| SESSION 2: Tachyarrhythmia and Ablation  |            |                                |



| <b>Chair: Mark Walsh, Martin Lowe</b>                                      |                         | <b>Dublin, IE, London, UK</b>       |
|--|-------------------------|-------------------------------------|
| Fascicular VT ablation: What paediatric EP can learn from adult VT person? | Martin Lowe             | London, UK                          |
| RVOT VT: Why to ablate and how?  |                         |                                     |
| AVNRT in children, pros and cons of line lesion vs point ablation          | Mark Walsh              | Dublin, IE                          |
| SESSION 3: Bradyarrhythmia and investigation                               |                         |                                     |
| <b>Chair: Maria Ilina</b>  |                         | <b>Glasgow, UK</b>                  |
| Athletes and bradycardia when we should worry?                             | Graham Stuart           | Bristol, UK                         |
| Bradycardia in congenital heart disease: Investigation and management      | Maria Ilina             | Glasgow, UK                         |
| CCHB, do we still need to wait until adolescence before permanent pacing?  | Cecilia Gonzalez Corcia | Bristol, UK                         |
| SESSION 4: Syncope in children   |                         |                                     |
| <b>Chair: Cecilia Gonzalez Corcia, Shankar Sadagopan</b>                   |                         | <b>Bristol, UK, Southampton, UK</b> |
| Table tilt test: Has it gone out of fashion or still a valid tool          | Karen McLeod            | Glasgow, UK                         |



Syncope in infants and toddlers: how to investigate and treat?

Leonie Wong

London, UK

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SESSION 5: Case Presentations

**Chair: Graham Stuart, Karen McLeod**

**Bristol, UK,  
Glasgow, UK**

PREVALENCE OF ECG CHANGES AND ARRHYTHMIAS DURING CHILDHOOD IN EBSTEIN'S ANOMALY: 30-YEAR REVIEW IN SOUTH WALES

Lowri James

Cardiff, UK

ELECTROCARDIOGRAPHIC FINDINGS IN JUNIOR ATHLETES BEFORE AND AFTER EXERCISE IN LATVIA IN TWO YEAR TIME PERIOD

Loreta Miluna

Riga, LV

WIDE COMPLEX RHYTHM CAUSING PROGRESSIVE MITRAL REGURGITATION IN A NEONATE: IS IT PREEXCITATION OR ACCELERATED IDIOVENTRICULAR RHYTHM?

Gabrielle Jee

Cardiff, UK

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## GUCH 1 - On-demand

| Chair: Sabine Ernst   |               | London, UK      |  |
|---|---------------|-----------------|--|
| How I tackle challenging scar related atrial tachycardias in ACHD       | Vinit Sawhney | London, UK      |  |
| Tips and tricks on SVT ablation for congenital patients                 | Arthur Yue    | Southampton, UK |  |
| Management of ventricular arrhythmias in adult congenital heart disease | Reza Ashrafi  | Liverpool, UK   |  |





## GUCH 2 - On-demand

| Chair: Eric Rosenthal  |                | London, UK  |
|--|----------------|-------------|
| Long term considerations of ICDs in congenital patients                      | Dominic Hares  | Leeds, UK   |
| How I tackle challenging implants in congenital heart disease                | Vivienne Ezzat | London, UK  |
| Congenital complete heart block: Update on pacing indications and techniques | Graham Stuart  | Bristol, UK |

## Devices

### CRT Optimisation - Real World UK experience/How it is really done - LIVE: Tuesday 5 October 2021

| Chair: Philip Moore  |  | London, UK                                     |
|--|--|--|
| Panel  | James Battye, Melanie McGinlay, Mike Chapman | Huddersfield, UK, Leeds, UK, Middlesbrough, UK |
| A focus on CRT optimisation clinic - why, when, what, how? | Lucy Broadhurst, Tracy Edge                  | Rotherham, UK, Rotherham, UK                   |
| Live CRT optimisation - when things go well                | Lucy Broadhurst, Tracy Edge                  | Rotherham, UK, Rotherham, UK                   |



Live CRT optimisation - a less  
than perfect case

Tracy Edge

Rotherham, UK

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## BHRS Symposia - On-demand

| Chair: Alistair Slade, Derek Connelly                                      |                   | Truro, UK, Glasgow, UK |
|--|-------------------|------------------------|
| Evidence from the ICD trials from 1996 to 2004                             | Derek Connelly    | Glasgow, UK            |
| Survival in heart failure in 2021 - are ICDs redundant?                    | Mark Petrie       | Glasgow, UK            |
| The role of cardiac MR in risk stratification for sudden death             | Francesco Leyva   | Birmingham, UK         |
| What new trials are ongoing and address evidence gaps in CRT & ICD therapy | Gerhard Hindricks | Leipzig, DE            |
| Ongoing trials involving CMR   | Charlotte Manisty | London, UK             |



## Transvenous or Subcutaneous Defibrillator? That is the Question - On-demand

| Chair: Derek Connelly, Greg Mellor                               |                   | Glasgow, UK,<br>Cambridge, UK |
|--|-------------------|-------------------------------|
| To what extent do shocks cause myocardial injury?                | Andrew Grace      | Cambridge, UK                 |
| How relevant is anti-tachycardia pacing to current ICD practice? | Valentina Kutyifa | Rochester, US                 |
| Should all patients without a pacing indication receive an SCD?  | Lucas Boersma     | Nieuwegein, NL                |
| Critical considerations in inherited conditions and GUCH         | Elijah Behr       | London, UK                    |
| SICDs in 2021 what else is there left to be done?                | Reinoud Knops     | Amsterdam, NL                 |



## Masterclass Devices 1 - On-demand

| Chair: Holly Daw, Jamie Walton                        |                       | London, UK,<br>Birmingham, UK |
|---|-----------------------|-------------------------------|
| CRT or not CRT (reviewing patient selection factors)  | Maria Paton           | Leeds, UK                     |
| Ventricular ectopic or not ventricular ectopic        | Chris Redfern         | Aberdeen, UK                  |
| Shock or not to shock (in LVAD patients)              | Eleri Gregory         | Manchester, UK                |
| V pacing or not V pacing                              | James Elliott         | London, UK                    |
| VT or not VT  | Leeann Marshall       | Coventry, UK                  |
| To see or not to see (understanding blanking periods) | Christopher Monkhouse | London, UK                    |



## Masterclass Devices 2: Making the most out of your device implants - On-demand

| Chair: Christopher Monkhouse, Hayley Langridge |                | London, UK, London, UK |
|--|----------------|------------------------|
| 12 lead ECG optimisation - the PR interval     | Holly Daw      | London, UK             |
| 12 lead ECG optimisation - the QRS complex     | Megan Anderson | Northumbria, UK        |
| Heart rate profile optimisation                | Jamie Walton   | Birmingham, UK         |
| Optimisation of Micra AV                       | Angelic Goode  | Blackpool, UK          |
| ILR service optimisation                       | Abena Biney    | Bristol, UK            |
| Optimising programming for remote monitoring   | Anna Mills     | Bury St. Edmunds, UK   |



## Remote Monitoring - On-demand

| Chair: Philip Moore, Sophia Jones   |                    | London, UK,<br>London, UK |
|---|--------------------|---------------------------|
| Wireless technology: How do devices communicate with hospitals and what does the future hold?           | Filip Zemrak       | London, UK                |
| Face to face vs remote follow up: What are the important differences?                                   | Cristiana Monteiro | Oxford, UK                |
| The revolution brought by Covid-19. How will the device clinic look in 2021?                            | Sophia Jones       | London, UK                |
| Cardiac devices predicting heart failure exacerbations. Hype or evidence based medicine?                | Fozia Ahmed        | Manchester, UK            |
| Lessons learned from ICD red alerts at the end of life: Managing family expectations for a final answer | Ian Wright         | London, UK                |
| The value of implantable loop recorders in arrhythmia diagnosis   | Mark Earley        | London, UK                |

## Plenary

### The Adam Fitzpatrick Plenary Session - LIVE: Wednesday 6



## October 2021

| Chair: Benjamin Steinberg, Nick Linker                              |                 | Utah, US, Middlesbrough, UK |
|---|-----------------|-----------------------------|
| How early can we consider AF ablation in a patient?                 | Jason Andrade   | Vancouver, CA               |
| Is the future bright for LAAO or has its use peaked?                | Vivek Reddy     | New York, US                |
| Can anti-arrhythmic drugs ever beat AF ablation in keeping AF away? | Paulus Kirchhof | Hamburg, DE                 |

## Young Investigator Competition, Oral Abstracts & Posters

### Young Investigators Competition - On-demand

| Chair: Fu Siong Ng |  | London, UK                                     |
|--------------------|--|--|
| Judge              | Blanca Rodriguez, Fu Siong Ng, Neil Herring, Pier Lambiase | Oxford, UK, London, UK, Oxford, UK, London, UK |





CARDIAC RESYNCHRONISATION BY HIS BUNDLE AND LEFT BUNDLE AREA PACING COMPARED TO BIVENTRICULAR PACING; AN ACUTE ELECTRICAL AND HAEMODYNAMIC STUDY.

Nadine Ali

Southwell, UK

RECURRENCE MATRIX MAPPING: A NOVEL APPROACH TO CHARACTERISING ATRIAL FIBRILLATION PHENOTYPE

Michael Pope

Oxford, UK

OBSTRUCTIVE SLEEP APNOEA OBESITY AND ATRIAL FIBRILLATION: A MENDELIAN RANDOMISATION STUDY

Maddalena  
Ardissino

London, UK

OVERCOMING DELAYED RIGHT VENTRICULAR ACTIVATION ASSOCIATED WITH LEFT BUNDLE AREA PACING BY ADDITIONAL RIGHT SEPTAL CAPTURE DOES NOT OFFER ANY HAEMODYNAMIC ADVANTAGE

Khulat Saqi

London, UK



## Oral Abstracts 1 - On-demand

### Allied & Service Development

|   |                       |                    |
|---|-----------------------|--------------------|
| DIAGNOSTIC YIELD OF INJECTABLE IMPLANTABLE LOOP RECORDERS: A SINGLE UK CENTRE EXPERIENCE                                      | Laura Yates           | Stoke-on-Trent, UK |
| A HUB-AND-SPOKE MODEL IMPLEMENTING HEARTLOGIC IN CARDIAC DEVICE PATIENTS ACROSS EAST LONDON AND BEYOND                        | Poppy Lloyd           | London, UK         |
| HANDHELD ECHOCARDIOGRAPHIC ASSESSMENT OF THE LV AIDING GENERATOR SELECTION AT BOX CHANGE IN DEVICE CLINICS                    | Matthew Swift         | Swindon, UK        |
| SINGLE CENTER EXPERIENCE OF REVEAL LINQ <sup>®</sup> , <sup>†</sup> INSERTABLE CARDIAC MONITOR (RL-ICM) IN CRYPTOGENIC STROKE | Sally Elshafie        | Nottingham, UK     |
| PRE-IMPLANT ANIMATION IMPROVES IMPLANTABLE LOOP RECORDER CONSENT: A SINGLE CENTER QUALITY IMPROVEMENT PROJECT                 | Christopher Monkhouse | London, UK         |
| PHARMACIST LED APPROACH TO IMPROVE PRESCRIBING AND MONITORING OF DIRECT ORAL ANTICOAGULANTS (DOACS) IN A PRIMARY CARE NETWORK | Asra Ahmed            | London, UK         |
| QUALITY ASSESSMENT OF ILR IMPLANTING SERVICE PROCEDURAL CHARACTERISTICS WITH DIFFERENT ILR DEVICES                            | Rok Mravljak          | London, UK         |
| AF - Clinical   |                       |                    |



|   |                           |               |
|---|---------------------------|---------------|
| ASSESSMENT OF OUTCOMES OF ATRIAL FIBRILLATION ABLATION USING THE ACUTUS MAPPING SYSTEM                                | Rishan Rashid             | Cambridge, UK |
| RATE OR RHYTHM CONTROL FOR ATRIAL FIBRILLATION? THE EVOLVING APPROACH IN ENGLAND 1998-2019                            | Kamatamu<br>Amanda Mbonye | London, UK    |
| POPULATION-BASED SCREENING FOR ATRIAL FIBRILLATION IN SUBJECTS WITH SLEEP APNEA                                       | Yutao Guo                 | Beijing, CN   |
| SHOULD WE BE SCREENING PEOPLE WITH DIABETES FOR AF? A CROSS SECTIONAL SCREENING STUDY                                 | Angela Hall               | St Helier, UK |
| SUCCESS AND OUTCOMES OF THE CONVERGENT PROCEDURE FOR TREATING PERSISTENT ATRIAL FIBRILLATION: A REAL-WORLD EXPERIENCE | Nilanka<br>Mannakkara     | London, UK    |
| THE PROGLIDE VENOUS CLOSURE DEVICE LEADS TO EARLY MOBILISATION AFTER CRYOABLATION FOR ATRIAL FIBRILLATION             | Danish Ahmed              | London, UK    |



## Oral Abstracts 2 - On-demand

### Highest Scoring Abstracts

|   |                         |                    |
|---|-------------------------|--------------------|
| POTENTIAL PROARRHYTHMIC EFFECT OF AUTOMATIC THRESHOLD TESTING IN PACEMAKERS   | Kayleigh Mather         | North Tyneside, UK |
| THE IMPACT OF GENERIC ICD PROGRAMMING ON CLINICAL OUTCOMES  | Parisha Khan            | London, UK         |
| ROLE OF ARTIFICIAL INTELLIGENCE AND UTILISATION OF DEEP LEARNING METHODS IN SCREENING FOR S-ICD ELIGIBILITY   | Mohamed ElRefai         | Eastleigh, UK      |
| EPICARDIAL ADIPOSE TISSUE CAUSES GREATER CONDUCTION SLOWING THAN SUBCUTANEOUS ADIPOSE TISSUE IN NEONATAL RAT VENTRICULAR MYOCYTES   | Taesoon Hwang           | London, UK         |
| IN SILICO ELECTROGRAM-BASED ESTIMATION OF MYOCARDIAL CONDUCTION USING DEEP NEURAL NETWORKS  | Konstantinos Ntagiantas | London, UK         |
| AN ACTIVE FIXATION QUADRIPOlar LEFT VENTRICULAR LEAD FOR CARDIAC RESYNCHRONIZATION THERAPY WITH A LOWER DISPLACEMENT AND REINTERVENTION RATE COMPARED TO PASSIVE FIXATION QUADRIPOlar LEADS | Calum Robertson         | Oxford, UK         |
| Arrhythmia Mechanisms   |                         |                    |
| OBESITY IS ASSOCIATED WITH REPOLARISATION ABNORMALITIES WHICH ARE UNMASKED WITH EXERCISE: A NON-INVASIVE ELECTROCARDIOGRAPHIC IMAGING STUDY   | Kimberley Nyamakope     | London, UK         |



IMPACT OF ELECTRICAL STORM AND ABLATION STRATEGY  
ON 5-YEAR OUTCOME OF CATHETER ABLATION FOR  
VENTRICULAR TACHYCARDIA IN PATIENTS WITH ISCHAEMIC  
AND NON-ISCHAEMIC CARDIOMYOPATHIES

Sharon Man

Leicester, UK

FREQUENCY AND TIME-FREQUENCY DOMAIN FEATURES  
FROM UNIPOLAR AND OMNIPOLAR ELECTROGRAMS IDENTIFY  
KATP CHANNEL OPENING IN THE EX VIVO PORCINE HEART

Justin Kai Chern  
Toh

London, UK

IDENTIFICATION OF MULTIPLE PRO-ARRHYTHMIC  
SUBSTRATES FROM THE CONTACT ELECTROGRAM USING  
MACHINE LEARNING IN EX-VIVO PORCINE HEARTS

Joseph Brook

London, UK



## Oral Abstracts 3 - On-demand

### Devices

|  |                 |                |
|--|-----------------|----------------|
| PREDICTORS OF PACEMAKER DEPENDENCY IN PATIENTS RECEIVING DEVICES FOLLOWING CARDIAC SURGERY   | James Cranley   | Cambridge, UK  |
| LEAD PERFORMANCE OF HIS BUNDLE PACING IN A TERTIARY CENTRE   | Nadine Mark     | London, UK     |
| CARDIAC PACEMAKER IMPLANTATION IN AUSTRALIA TEMPORAL TRENDS 2000 - 2019  | Ayodeji Dina    | Gold Coast, AU |
| APPLICATION OF THE PADIT SCORE FOR CARDIAC IMPLANTABLE ELECTRONIC DEVICES - COULD IT REDUCE INFECTIONS AT OUR DISTRICT GENERAL HOSPITAL              | Charo Bruce     | Camberley, UK  |
| REAL-WORLD EVALUATION OF FOLLOW UP STRATEGIES AFTER IMPLANTABLE CARDIAC DEFIBRILLATOR THERAPIES IN PATIENTS WITH VENTRICULAR TACHYCARDIA (REFINE-VT) | Leeann Marshall | Coventry, UK   |

### Mapping & Ablation

|   |                    |                |
|---|--------------------|----------------|
| RIPPLE MAPPING TO ENHANCE 3D VISUALISATION OF LOW AMPLITUDE ABNORMAL BIPOLAR ELECTROGRAMS   | George Katritsis   | London, UK     |
| FEASIBILITY STUDY OF USING A DIAMOND TIP TEMPERATURE-CONTROLLED RADIOFREQUENCY ABLATION SYSTEM FOR ISCHAEMIC CARDIOMYOPATHY (ICM) VENTRICULAR TACHYCARDIA (VT) ABLATION | Jaffar Al-Sheikhli | Coventry, UK   |
| SINGLE-CENTRE VENTRICULAR TACHYCARDIA (VT) ABLATION PRACTICE IN STRUCTURAL HEART DISEASE (SHD) IN THE UK  | Nikesh Jathanna    | Nottingham, UK |



ELIMINATION OF MAJOR VASCULAR ACCESS COMPLICATIONS (VAC) USING ULTRASOUND-GUIDED VASCULAR ACCESS AND VESSEL CLOSURE PROTOCOLS DURING INVASIVE EP PROCEDURES (IEPP)

Sumit Verma

Florida, US

CATHETER ABLATION IN ADULTS WITH WOLFF-PARKINSON-WHITE SYNDROME: A 'REAL-LIFE' EXPERIENCE

Andrew Ying

Cambridge, UK

A COMBINED ENDO-EPICARDIAL APPROACH UTILISING THE PERICARDIAL CO<sub>2</sub> INSUFFLATION TECHNIQUE TO RELIABLY AND SAFELY ACHIEVE LINEAR RADIOFREQUENCY LESION SETS FOR PERSISTENT ATRIAL FIBRILLATION

Reshma Amin

London, UK



## Posters - On-demand

|   |                                     |               |
|---|-------------------------------------|---------------|
| THE TRIAL OF A SMARTPHONE<br>PHOTOPLETHYSMOGRAPHY BASED APPLICATION TO<br>IDENTIFY PROBABLE ATRIAL FIBRILLATION AND ECTOPIC<br>ACTIVITY IN AN NHS ARRHYTHMIA NURSE REMOTE<br>FOLLOW UP CLINIC | David Ferguson                      | Kendal, UK    |
| IMPLANTABLE LOOP RECORDER WOUNDS- SINGLE<br>CENTER REVIEW OF AN OUTPATIENT WOUND CLOSURE<br>STRIP MODEL OF CARE   | Helen Harvie                        | London, UK    |
| AN EXPERIENCE OF A NURSE-LED DC CARDIOVERSION<br>SERVICE AT A DISTRICT GENERAL HOSPITAL   | Raajkamal<br>Dharmapuri<br>Jayavelu | Worcester, UK |
| RADIATION EXPOSURE ASSOCIATED WITH ATRIAL<br>FIBRILLATION ABLATION COMPARED WITH COMMON<br>RADIATION SOURCES: A CONTEMPORARY EXPERIENCE<br>FROM A HIGH-VOLUME OPERATOR                        | Aisha Hameed                        | London, UK    |
| CARDIAC TAMPONADE AS A COMPLICATION OF<br>TRANSSEPTAL PUNCTURE: ASSOCIATIONS AND<br>OPERATOR-DEPENDENT VARIABLES DURING LEFT ATRIAL<br>ABLATION AT BARTS HEART CENTRE                         | Edd Maclean                         | London, UK    |
| AS-REQUIRED ORAL ANTICOAGULATION GUIDED BY<br>RHYTHM MONITORING FOR STROKE PREVENTION IN<br>PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION: A<br>SYSTEMATIC REVIEW AND META-ANALYSIS          | Andre Briosa e<br>Gala              | London, UK    |
| DRIVE-THROUGH CARDIAC IMPLANTABLE ELECTRONIC<br>DEVICE (CIED) CLINIC POST-PEAK COVID-19   | Zainah Muddassir                    | London, UK    |





|  |                 |                |
|--|-----------------|----------------|
| PREDICTORS AND CLINICAL OUTCOMES IN PATIENTS UNDERGOING CARDIAC RESYNCHRONIZATION THERAPY (CRT) VERSUS CRT UPGRADE IN A REAL-WORLD TERTIARY CENTRE | Catrin Sohrabi  | London, UK     |
| ASSOCIATION BETWEEN VERY HIGH NT-PROBNP LEVELS AND HAEMOGLOBIN AND FERRITIN  | Arjun Sabharwal | Wakefield, UK  |
| ATRIAL FIBRILLATION RELATED STROKE - BETTER PRIMARY/SECONDARY CARE COMMUNICATION NEEDED  | Marco Motta     | St Austell, UK |
| MULTI-DISCIPLINARY HEART FAILURE- DEVICE CLINIC IMPROVES MANAGEMENT OF HEART FAILURE PATIENTS FOLLOWING COMPLEX DEVICE IMPLANTATION                | Jenny Chuen     | Nottingham, UK |
| JUNCTIONAL BRADYCARDIA AND TRANSIENT GLOBAL AMNESIA: A CASE REPORT   | Roisin Gardiner | Dublin, IE     |
| REMOTE MONITORING SERVICE ROLE DURING COVID: OUT OF SIGHT BUT NOT OUT OF HEART   | Sandra Silva    | Cambridge, UK  |
| CARDIAC IMPLANTABLE ELECTRONIC DEVICE WOUND SURVEILLANCE IN THE COVID-19 ERA: FEASIBILITY AND OUTCOMES - A SINGLE CENTRE EXPERIENCE                | Jason Collinson | Basildon, UK   |
| EMERGENCY PACEMAKER IMPLANTS IN NONAGENARIANS: BEDSIDE DETERMINANTS OF PROGNOSIS   | Edd Maclean     | London, UK     |
| SMARTPHONE ELECTROGRAM FOR ATRIAL FIBRILLATION SCREENING IN MALAYSIAN ELDERLY  | Jian-Gang Ang   | Taiping, MY    |
| A SINGLE TERTIARY CENTRE EXPERIENCE OF POST PANDEMIC BRADYCARDIA PACEMAKER FOLLOW-UP   | Zara Patterson  | Leeds, UK      |



|  |                  |                      |
|--|------------------|----------------------|
| A STUDY TO INVESTIGATE STROKE BLEEDING AND DEVICE THROMBOSIS OUTCOMES IN PATIENTS UNDERGOING COMBINED AF ABLATION AND LEFT ATRIAL APPENDAGE OCCLUSION  | Balrik Kailey    | London, UK           |
| INCIDENCE OF VENTRICULAR TACHYCARDIA AFTER SURGICAL AORTIC VALVE REPLACEMENT   | Rok Mravljak     | London, UK           |
| ASSESSING THE OVERALL IMPACT OF USING CONSCIOUS SEDATION FOR PERFORMING EXTERNAL CARDIOVERSION   | Georgina Sargent | Burton on Trent, UK  |
| A COMBINED ENDO-EPICARDIAL APPROACH UTILISING THE PERICARDIAL CO2 INSUFFLATION TECHNIQUE TO RELIABLY AND SAFELY ACHIEVE LINEAR RADIOFREQUENCY LESION SETS FOR PERSISTENT ATRIAL FIBRILLATION | Reshma Amin      | London, UK           |
| THE FUTURE IS HERE! INITIAL EXPERIENCE OF THE FOLLOW UP OF THE FIRST 100 NOVEL BLUETOOTH REMOTE PROGRAMMABLE IMPLANTABLE LOOP RECORDERS  | Hollie Page      | London, UK           |
| DIAGNOSTIC BENEFIT OF INPATIENT 24-HOUR HOLTER MONITORING: A RETROSPECTIVE ANALYSIS OF HOSPITAL AUDIT DATA   | Anita Jiang      | London, UK           |
| REGIONAL SURVEY OF ORTHOPAEDIC SURGEONS ON REQUESTING MRI SCANS FOR PATIENTS WITH IMPLANTABLE CARDIAC DEVICES  | Andrew Brown     | Ashington, UK        |
| OPPORTUNISTIC AF DETECTION DURING COVID-19 VACCINATION CLINICS BY AF ASSOCIATION-TRAINED VOLUNTEERS USING ALIVECOR KARDIA IN SUPPORT OF PUBLIC HEALTH ENGLANDS LONG TERM PLAN                | Ben Lord         | Bury St. Edmunds, UK |



|   |                     |               |
|---|---------------------|---------------|
| DAILY REMOTE ALERT MONITORING (DREAM) DRIVEN MODEL TO REPLACE SCHEDULED FOLLOW-UPS IN PACEMAKER PATIENTS                      | Eliska D'Souza      | Swindon, UK   |
| PACEMAKER BOX CHANGE - MORE THAN MEETS THE EYE  | Omar Shaikh         | Cambridge, UK |
| AN UNEXPECTED BLOCK - WORKING UP THE YOUNG PATIENT WITH UNEXPLAINED ATRIOVENTRICULAR BLOCK                                    | Rahul Chattopadhyay | Cambridge, UK |
| ELIGIBILITY FOR THE SUBCUTANEOUS IMPLANTABLE CARDIAC DEFIBRILLATOR THERAPY USING STANDARD SCREENING PRACTICE - OUR EXPERIENCE | Mohamed ElRefai     | Eastleigh, UK |
| HOW OFTEN DO WE NEED TO IMPLANT CARDIAC DEVICES IN COVID-19 PATIENTS - DATA FROM A SINGLE COVID-HOSPITAL POPULATION           | Barbara Ignatiuk    | Padova, IT    |
| PATIENT AND PUBLIC INVOLVEMENT (PPI): A ROUTE TO HIGH-QUALITY RESEARCH IN ATRIAL FIBRILLATION                                 | Ilektra Kanella     | London, UK    |
| THE IMPACT OF THE COVID-19 PANDEMIC ON CARDIAC RHYTHM MANAGEMENT SERVICES AT 2 MAJOR UK CENTRES                               | James Cranley       | Cambridge, UK |

## COVID-19

### COVID-19 Symposia - Where are we now? - On-demand



**Chair: Matt Ginks, Sabine Ernst**

**Oxford, UK, London, UK**

COVID & Arrhythmias

Shouvik Haldar

London, UK

Remote monitoring is the new norm

Alistair Slade

Truro, UK

Impact on the arrhythmia workforce

Richard Schilling

London, UK

## Industry Sessions

### Medtronic Symposia 1 - LIVE: Tuesday 5 October 2021

TriageHF Plus: Aligning Device and Heart Failure Care Pathways

Fozia Ahmed

Manchester, UK

Live Q&A

Fozia Ahmed

Manchester, UK



## Medtronic Symposia 2 - LIVE: Tuesday 5 October 2021

LINQ II - NEW WORKFLOW ANALYSIS – AN INITIAL  
EXPERIENCE

Christopher Monkhouse

London, UK

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Q&A with Live audience

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## Medtronic - On-demand

Restoring Ablation Services  
during and post Covid-19

Dhiraj Gupta, Francis  
Murgatroyd, Greg Mellor, Jack  
McCready, Richard Schilling

Liverpool, UK, London, UK,  
Cambridge, UK, Sussex, UK,  
London, UK

Device Infections - Dr Paul  
Roberts and patient Dorothy  
Alderson

Paul Roberts

Southampton, UK



## Abbott - On-demand

Gallant introduction video

|   |                                 |                                      |
|---|---------------------------------|--------------------------------------|
| Gallant Early Experience - Prof Lecelrcq  | Cristophe Leclercq              | Rennes, FR                           |
| Gallant™ Series - MRI Conditionality  | Amir Zaidi, Klaus Witte         | Manchester, UK, Leeds, UK            |
| Gallant™ Series - VF Therapy Assurance  | Jennifer Rhude, Luisa Cleverdon | California, US, Torbay, FR           |
| Gallant™ Series - Remote Monitoring   | Sophia Jones, Wajid Hussain     | London, UK, London, UK               |
| Gallant™ Series - Achieving Better Outcomes For CRT Patients   A Physicians Perspective | Andrew Turley, Mike Chapman     | Middlesbrough, UK, Middlesbrough, UK |



## Biosense Webster - LIVE: Tuesday 5 October 2021

**Chair: Ashley Nisbet**

**Bristol, UK**

Transforming efficiency in the EP Lab

Matt Ginks, Matthew Wright

Oxford, UK, London, UK





## Biosense Webster - LIVE: Wednesday 6 October 2021

**Chair: Claire Martin**

**Cambridge, UK**

Latest updates and experiences with QDOT  
MICRO® Catheter

Manav Sohal,  
Saagar Mahida

Surrey, UK, Liverpool, UK



## Biosense Webster - On-demand

CARTO25

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CARTO25 V2

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PATIENT STORY 1

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PATIENT STORY 2

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## BIOTRONIK - On-demand

|  |                |
|--|----------------|
| COVID-19 and Cardiovascular Care with Home Monitoring                | David Hayes    |
| The Benefits of DX Technology  | Iain Matthews  |
| Reliable Implantable Cardiac Monitors offering Diagnosis             | Mark Gallagher |
| SENSE Trail – Detecting Atrial High Rate Episodes with DX Technology | George Thomas  |
| The Importance of Good Battery Technology for Patients               | Mark Gallagher |



## Boston Scientific - On-demand

|  |                       |                |
|--|-----------------------|----------------|
| A how-to guide to the 3300 LATITUDE™ Programmer and PSA                                      | Steve Martin          | London, UK     |
| Pulmonary vein isolation with Cryoballoon A head-to-head comparison between two technologies | Antonio Creta         | London, UK     |
| A Case of Atypical Flutter treated with the Rhythmia Mapping System                          | Ahmed Adlan           | Manchester, UK |
| MyLATITUDE Patient App – A Clinician & Patients Perspective                                  | Christopher Monkhouse | London, UK     |



## Omron - On-demand

The new era in AF screening  
at home

Bernd Sanner, Faizel Osman,  
Keitaro Senoo

Wuppertal, DE, Coventry, UK,  
Kyoto, JP

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## **Acutus Medical - On-demand**

New Standard for Individualised AF Mapping and Treatment

Tim Betts

Oxford, UK

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## **AliveCor - On-demand**

Long-term Intermittent Versus Short Continuous  
Heart Rhythm Monitoring for the Detection of Atrial  
Fibrillation Recurrences After Catheter Ablation

Astrid Hermans,  
Shouvik Halder

Maastricht, NL,  
London, UK

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## **Sky Labs - On-demand**

Wearable devices in cardiology: Reality, not a dream

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## Atricure - On-demand

Hybrid AF therapies: new evidence for the most complex forms of AF

|  |                  |              |
|--|------------------|--------------|
| Clinical data and outcomes                       | Riyaz Kaba       | London, UK   |
| Optimal patient selection                        | Syed Ahsan       | London, UK   |
| Exclusion of the LAA in rhythm control therapies |                  |              |
| Thrombogenic and arrhythmogenic roles of the LAA | Tom Wong         | London, UK   |
| Current options to electrically isolate the LAA  | Sandeep Panikker | Coventry, UK |



## Spacelabs - On-demand

Diagnosing Arrhythmias - History, Recent trends ... the Next Generation of Spacelabs products

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## MicroPort - On-demand

A perspective on MicroPort Products ICD / CRTD longevity & PARAD+

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## Cardioscan - On-demand

The Electrocardiographic Spectrum of Wenckebach Atrio-Ventricular Block

Harry Mond

Melbourne, AU

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## Baylis Medical - On-demand

Experience with a novel 2Fr catheter for deep intramyocardial substrate

Anthony Li      London, UK

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## Philips - On-demand

Philips EPD Solution, Cryoballoon Ablation

Filippo Cauti

Rome, IT

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## **Kimal - On-demand**

TauroPace – A promising solution

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## Icentia - On-demand

|  |                  |            |
|--|------------------|------------|
| Ambulatory ECG Monitoring A New Paradigm                     | Jack McCready    | Sussex, UK |
| Maintaining an Arrhythmia Service in the midst of a pandemic | Matthew Crossley | Bucks, UK  |





## Implicit - On-demand

Remote monitoring - from burden to opportunity

|   |               |               |
|---|---------------|---------------|
| Why RM can be a burden? Physiologist's point of view.                                   | Matthew Swift | Swindon, UK   |
| A 3rd party platform - an opportunity for research and current care                     | Michael Kuehl | Coventry      |
| Remote monitoring data - an opportunity for a better patient care through AI innovation | Niraj Varma   | Cleveland, US |



## **Cook Medical - On-demand**

Summary of the PROMET retrospective multicentre clinical study: Patient-related outcomes of mechanical lead extraction techniques

Mark Gallagher

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## ROCHE - On-demand

How to best predict stroke and bleeding risk in patients with Atrial Fibrillation: The case for the ABC scores

Ziad Hijazi

Doha, QA

## Live Sessions

### EP Traces Course - Now available on demand

**Chair: Simon Modi, Vishal Luther**

**Liverpool, UK,  
Liverpool, UK**

Welcome, course objectives and 'How to approach the unknown tracing'

EP Traces Session 1

EP Traces Session 2

EP Traces Session 3



## **ROCHE Live Webinar - Now available on demand**

How to best predict stroke and bleeding risk in patients with Atrial Fibrillation: The case for the ABC scores

Ziad Hijazi

Doha, QA

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## BHRS EGM Championship - Now available on demand

| Chair: Stuart Allen |   | Manchester, UK                            |
|---------------------|---|---|
| Panel               | Christopher Monkhouse, Honey Thomas, Paul Doherty | London, UK, Northumbria, UK, Solihull, UK |



## Medtronic Symposia 1 - Now available on demand

TriageHF Plus: Aligning Device and Heart Failure Care Pathways

Fozia Ahmed

Manchester, UK

Live Q&A

Fozia Ahmed

Manchester, UK



## **CRT Optimisation - Real World UK experience/How it is really done - Now available on demand**

| <b>Chair: Philip Moore</b>                                 |  | <b>London, UK</b>                              |
|--|--|--|
| Panel  | James Battye, Melanie McGinlay, Mike Chapman | Huddersfield, UK, Leeds, UK, Middlesbrough, UK |
| A focus on CRT optimisation clinic - why, when, what, how? | Simon Smith, Tracy Edge                      | Rotherham, UK, Rotherham, UK                   |
| Live CRT optimisation - when things go well                | Simon Smith, Tracy Edge                      | Rotherham, UK, Rotherham, UK                   |
| Live CRT optimisation - a less than perfect case           | Tracy Edge                                   | Rotherham, UK                                  |



## Medtronic Symposia 2 - Now available on demand

LINQ II - NEW WORKFLOW ANALYSIS – AN INITIAL  
EXPERIENCE

Christopher Monkhouse

London, UK

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Q&A with Live audience

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## AICC - Arrhythmia Management in the Inherited Cardiac Conditions

| Chair: Jan Till, Sam Mohiddin              |               | London, UK, London, UK |
|--|---------------|------------------------|
| Managing AF in hypertrophic cardiomyopathy | Pier Lambiase | London, UK             |
| Managing AF in dilated cardiomyopathy      | Derick Todd   | Liverpool, UK          |



## Biosense Webster

**Chair: Ashley Nisbet**

**Bristol, UK**

Transforming efficiency in the EP Lab

Matt Ginks, Matthew Wright

Oxford, UK, London, UK



## Biosense Webster

| Chair: Claire Martin                                     |                               | Cambridge, UK             |
|--|-------------------------------|---------------------------|
| Latest updates and experiences with QDOT MICRO® Catheter | Manav Sohal,<br>Saagar Mahida | Surrey, UK, Liverpool, UK |



## The Adam Fitzpatrick Plenary Session

| Chair: Benjamin Steinberg, Nick Linker                              |                 | Utah, US, Middlesbrough, UK |
|---|-----------------|-----------------------------|
| How early can we consider AF ablation in a patient?                 | Jason Andrade   | Vancouver, CA               |
| Is the future bright for LAAO or has its use peaked?                | Vivek Reddy     | New York, US                |
| Can anti-arrhythmic drugs ever beat AF ablation in keeping AF away? | Paulus Kirchhof | Hamburg, DE                 |

## Primary Care

### Primary Care Cardiovascular Society (PCCS) 1: Managing Heart Failure and Co-morbidities - On-demand

| Chair: Ahmet Fuat, Louise Clayton                        |              | Darlington, UK, Leicester, UK |
|--|--------------|-------------------------------|
| Heart failure and atrial fibrillation: A dangerous combo | Jim Moore    | Gloucestershire, UK           |
| Heart failure and diabetes: A new era in management      | Martin Cowie | London, UK                    |



Recognising HFPEF in primary care

Rushabh Shah

Nottingham, UK

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## **Primary Care Cardiovascular Society (PCCS) 2: AF detection, protection and perfection - Where are we now? - On-demand**

| <b>Chair: Ahmet Fuat</b>                              |                | <b>Darlington, UK</b> |
|---|----------------|-----------------------|
| National ambitions and progress                       | Helen Williams | London, UK            |
| DOAC dosing: A national problem and how to address it | Ahmet Fuat     | Darlington, UK        |
| Interesting AF cases                                  | Darragh Twomey | County Durham, UK     |

## **Arrhythmia Alliance & Heart Rhythm Society Joint Session**

### **Arrhythmia Alliance & Heart Rhythm Society joint Session: From A (Atrial Fibrillation) to V (Ventricular Arrhythmias) — Optimizing Arrhythmia Care in the Next Decade - On-demand**

| <b>Chair: Fred Kusumoto</b>                               |                | <b>Jacksonville, US</b> |
|---|----------------|-------------------------|
| Atrial fibrillation ablation in 2021: Who, when, and how? | Hugh Calkins   | Baltimore, US           |
| Patient generated data: Friend or foe?                    | Thomas Deering | Atlanta, US             |



Syncope and falls in the elderly: Individual patient care to systems of care

Win-Kuang Shen

Arizona, US

Preventing sudden death: What's next?

Christine Albert

Los Angeles, US

## Cardiac Physiology and Science Update

### Cardiac Physiology and Science Update - On-demand

**Chair: Cristiana Monteiro, Shouvik Haldar**

**Oxford, UK,  
London, UK**

Is there a place for cardiac scientists in ACHD EP and devices?

Holly Daw

London, UK

The MDT — how can we integrate nursing and other allied professions into device and EP services?

Rebecca Imms

Oxford, UK

The era of digitalisation of healthcare and its impact on cardiac physiology services

Elisabete Vaz

Lisbon, PT

Lessons from a pandemic: community clinics vs remote monitoring

Ross Haynes

London, UK

The cardiac scientist of the future

Vicky Harrison

Blackpool, UK



# Nurses

## Nurses 1

| Chair: Sarah Clarke   |                 | Essex, UK      |
|---|-----------------|----------------|
| VT storm — management options and outcomes                      | Neil Srinivasan | Leeds, UK      |
| The Somerset Sudden cardiac Death Pathway — 10 year story       | Janice Bailey   | Taunton, UK    |
| The future role of S-ICD — should we be using S-ICD more often? | Duncan Field    | Colchester, UK |
| Considerations for mainstreaming genomics in cardiology         | Janice Bailey   | Taunton, UK    |





## Nurses 2

| Chair: Catherine Laventure, Sarah Clarke   |                     | Peterborough, UK,<br>Essex, UK |
|--|---------------------|--------------------------------|
| Developing the cardiovascular nurse researcher   | Tootie Bueser       | London, UK                     |
| Remote monitoring and how the COVID-19 pandemic has improved our practice and patient outcomes | Joe Shipton         | Basildon, UK                   |
| The rhythm is gonna get you! The need for an arrhythmia nurse in the ED                        | Catherine Laventure | Peterborough, UK               |
| Nurse-led palpitations clinics in secondary care   | Kay Elliott         | Dorset, UK                     |

## STARS Symposia

### STARS Symposia - On-demand

| Chair: Nicholas Gall   | London, UK       |                 |
|--|------------------|-----------------|
| Why the active stand is an incomplete investigation of syncope | Richard Sutton   | Monte Carlo, MC |
| Where are we after BIOSYNC?                                    | Michele Brignole | Milan, IT       |



|   |                  |                        |
|---|------------------|------------------------|
| Is recurrent syncope in patients paced for vasovagal syncope a problem?                       | Richard Sutton   | Monte Carlo, MC        |
| The latest on atomoxetine therapy for vasovagal syncope                                       | Robert Sheldon   | Calgary, CA            |
| <b>Chair: Boon Lim</b>  |                  | <b>London, UK</b>      |
| Syncope Spotlight Project for primary care physicians   | Lesley Kavi      | Warwickshire, UK       |
| Cardiovascular autonomic disturbances in long COVID: The UK perspective                       | Nicholas Gall    | London, UK             |
| New ESC guidelines on pacing with respect to syncope  | Richard Sutton   | Monte Carlo, MC        |
| Tilt vs ICM/ILR   | Robert Sheldon   | Calgary, CA            |
| <b>Chair: Richard Sutton</b>  |                  | <b>Monte Carlo, MC</b> |
| Long COVID: The UK perspective  | Lesley Kavi      | Warwickshire, UK       |
| Long COVID: The Swedish perspective   | Artur Fedorowski | Stockholm, SE          |
| Long COVID: The Canadian perspective  | Satish Raj       | Calgary, CA            |
| <b>Chair: Blair Grubb</b>   |                  | <b>Toledo, US</b>      |
| Putting the Canadian consensus on PoTS in context – getting the message out to the generalist | Paula Harvey     | Toronto, CA            |



|   |                       |             |
|---|-----------------------|-------------|
| PoTS following COVID  | Blair Grubb           | Toledo, US  |
| What can the cardiopulmonary exercise test tell us about PoTS physiology?                   | Steve James           | London, UK  |
| Small fibre neuropathy – what is it, how do you diagnose it and how does it link into PoTS? | Jordi Serra           | London, UK  |
| The PoTS bladder: Characteristic findings and why you should be interested                  | Nicholas Faure Walker | London, UK  |
| Abdominal compression in PoTS   | Satish Raj            | Calgary, CA |
| Setting up a syncope service  | Lara Mitchell         | Glasgow, UK |
| Midodrine for the prevention of vasovagal syncope: POST 4 results                           | Robert Sheldon        | Calgary, CA |

## Arrhythmia Alliance Symposia

### Arrhythmia Alliance Symposia 1 - On-demand

**Chair: Fozia Ahmed**

**Manchester, UK**

ORGANISATIONAL ISSUES



Implications of national cardiology GIRFT report for CRM - is it realistic or aspirational (or delusional)?

Device follow up 2021 - what is frequency of optimal device follow up

John Paisey

Southampton, UK

Remote monitoring for all - implications and affordability for a bradycardia population

Caroline Green

Manchester, UK

Should leadless pacemakers be the new standard of care in bradycardia pacing - implications for UK practice: Present and future

Chris Pepper

Leeds, UK

#### **Chair:**

#### **PACING**

Cardiac pacing - His bundle, septal and LBBB pacing or keep it simple

Paul Foley

Swindon, UK

Clinical evidence and implant challenges

Aldo Rinaldi

London, UK

Device complications - how to minimise risk

Honey Thomas

Northumbria, UK

Challenging device cases: Venoplasty tips and tricks

Andrew Turley

Middlesbrough, UK

MRI and cardiac devices: Why is this still an issue?

Martin Lowe

London, UK

#### **Chair: Guy Haywood**

**Plymouth, UK**



## MISCELLANEOUS

|  |                |                         |
|--|----------------|-------------------------|
| ECG - practical tips and tricks for the non specialist   | Stephen Murray | Newcastle Upon Tyne, UK |
| Cardiac anatomy for CRM specialist                       | Sabine Ernst   | London, UK              |
| Arrhythmias during pregnancy                             | Dawn Adamson   | Coventry, UK            |
| Ventriular ectopy - when to worry and management options | Lee Graham     | Leeds, UK               |
| Arrhythmias in Athletes: What to Do?                     | David Begley   | Cambridge, UK           |

## Chair:

## ICD THERAPY

|  |                  |                      |
|--|------------------|----------------------|
| Primary prevention ICD therapy - time for a rethink      | Andrew Flett     | Southampton, UK      |
| Dilated cardiomyopathy - what is OMT in 2021             | Matthew Dewhurst | Stockton on Tees, UK |
| LV remodelling - when to decide on device therapy in DCM | Roy Gardner      | Glasgow, UK          |
| Predicting SCD: Beyond EF                                | Andre Ng         | Leicester, UK        |
| ATP or no ATP for primary prevention ICDs                | Neil Herring     | Oxford, UK           |



## **Arrhythmia Alliance Symposia 2 - Emerging Technologies and New Practices in Cardiac Management - On-demand**

| <b>Chair: Dhiraj Gupta, Tim Betts</b>                     |                    | <b>Liverpool, UK, Oxford, UK</b> |
|---|--------------------|----------------------------------|
| Pulsed field ablation of AF                               | Pierre Jais        | Bordeaux, FR                     |
| Advances in leadless pacing                               | Vivek Reddy        | New York, US                     |
| COVID-19 and remote monitoring - lessons for the future   | Cristiana Monteiro | Oxford, UK                       |
| Cardiac radiotherapy for VT                               | Ross Hunter        | London, UK                       |
| Sources and contemporary recordings of electrocardiograms | Andrew Grace       | Cambridge, UK                    |
| Laser ablation  | Scott Gall         | Blackpool, UK                    |

## **AF Association Symposia**

### **AF Association Symposia 1 - What do the new ESC AF guidelines really mean? - On-demand**

| <b>Chair: Richard Schilling</b> | <b>London, UK</b> |
|---------------------------------|-------------------|
|---------------------------------|-------------------|



|   |                     |               |
|---|---------------------|---------------|
| Should we adopt a comprehensive characterisation of AF patients         | Tatjana Potpara     | Belgrade, RS  |
| How much can AF be managed by adopting a healthy lifestyle?             | Prashanthan Sanders | Adelaide, AU  |
| How do we pick rhythm control for our AF patients?                      | Paulus Kirchhof     | Hamburg, DE   |
| How much can the AF patient be involved in making management decisions? | Deirdre Lane        | Liverpool, UK |



## AF Association Symposia 2 - Ablation session - On-demand

| Chair: Derick Todd, Tim Betts   |                       | Liverpool, UK,<br>Oxford, UK |
|---|-----------------------|------------------------------|
| What QoL reduction related to AF is necessary to make ablation a worthwhile procedure and how do we measure it? | Kim Rajappan          | Oxford, UK                   |
| What should we do in addition to PVI for 1st time persistent AF – the posterior box or something else?          | Dhiraj Gupta          | Liverpool, UK                |
| How to judge when can we stop anticoagulants in post AF ablation when CHADSVASc>1                               | A. John Camm          | London, UK                   |
| Should LAAO isolation & occlusion be part of treatment for persistent AF?                                       | Dhanunjaya Lakkireddy | Kansas, US                   |
| AF ablation to treat heart failure. Therapy or futility?  | Pier Lambiase         | London, UK                   |
| Do better lesions mean better outcomes? Power, force or electroporation – what is the answer?                   | Helmut Puererfellner  | Linz, AT                     |
| How to define AF substrate: Voltage, velocities or late LGE and does it help guide ablation?                    | Andre Ng              | Leicester, UK                |
| How to map atrial fibrillation and identify targets for ablation  | Tom Wong              | London, UK                   |
| Chair: Shouvik Haldar   |                       | London, UK                   |





|  |                 |                      |
|--|-----------------|----------------------|
| AF ablation as first line therapy - Debate (Pro)         | Guy Haywood     | Plymouth, UK         |
| AF ablation as first line therapy - Debate (Con)         | Hugh Calkins    | Baltimore, US        |
| <b>Chair: Andre Ng</b>                                   |                 | <b>Leicester, UK</b> |
| Cryo ablation should be the index ablation for all (Pro) | Jason Andrade   | Vancouver, CA        |
| Cryo ablation should be the index ablation for all (Con) | Damian Redfearn | Kingston, CA         |

## BHRS Sessions

### BHRS Symposia - On-demand

|  |                 |                               |
|--|-----------------|-------------------------------|
| <b>Chair: Alistair Slade, Derek Connelly</b>                   |                 | <b>Truro, UK, Glasgow, UK</b> |
| Evidence from the ICD trials from 1996-2004                    | Derek Connelly  | Glasgow, UK                   |
| Survival in heart failure in 2021 - are ICDs redundant?        | Mark Petrie     | Glasgow, UK                   |
| The role of cardiac MR in risk stratification for sudden death | Francesco Leyva | Birmingham, UK                |



Ongoing trials involving CMR

Charlotte Manisty

London, UK

What new trials are ongoing and address  
evidence gaps in CRT & ICD therapy

Gerhard Hindricks

Leipzig, DE



## BHRS EGM Championship - LIVE - Monday 4th Oct

| Chair: Stuart Allen |   | Manchester, UK                            |
|---------------------|---|---|
| Panel               | Christopher Monkhouse, Honey Thomas, Paul Doherty | London, UK, Northumbria, UK, Solihull, UK |



## BHRS Physiologist Session: Remote Monitoring — Service Development - On Demand

| Chair: Claire O'Neill, Jason Collinson              |                   | London, UK, Basildon, UK |
|---|-------------------|--------------------------|
| Monday motivation — managing the workload!          | Josh Mundy        | Ipswich, UK              |
| ADMIN! The key component to a successful service    | Ian Pinnell       | Oxford, UK               |
| Remote alerts — practical tips: What, when and how? | Charlotte Mehegan | Bury St. Edmunds, UK     |
| Innovative ways of delivering patient information   | Lydia Bradley     | Wolverhampton, UK        |



## Arrhythmia Alliance & BHRS Joint Session - On Demand

| Chair: Alistair Slade                                       |                           | Truro, UK                  |
|---|---------------------------|----------------------------|
| BHRS Remote Monitoring Survey - What has the data revealed? | Eleri Gregory, Ian Wright | Manchester, UK, London, UK |
| A-A Remote Monitoring Survey - What have the data revealed? | Trudie Lobban(MBE)        | Stratford Upon Avon, UK    |

## A-A & Primary Care Cardiovascular Society (PCCS) Joint Session

### PCCS 1: Managing Heart Failure and Co-morbidities - On-demand

| Chair: Ahmet Fuat, Louise Clayton                        |              | Darlington, UK, Leicester, UK |
|--|--------------|-------------------------------|
| Heart failure and atrial fibrillation: A dangerous combo | Jim Moore    | Gloucestershire, UK           |
| Heart failure and diabetes: A new era in management      | Martin Cowie | London, UK                    |
| Recognising HFPEF in primary care                        | Rushabh Shah | Nottingham, UK                |





## **PCCS 2: AF detection, protection and perfection - Where are we now? - On-demand**

| <b>Chair: Ahmet Fuat</b>                              |                | <b>Darlington, UK</b> |
|---|----------------|-----------------------|
| National ambitions and progress                       | Helen Williams | London, UK            |
| DOAC dosing: A national problem and how to address it | Ahmet Fuat     | Darlington, UK        |
| Interesting AF cases                                  | Darragh Twomey | County Durham, UK     |

## **The Professor Hugh Calkins Lecture**

### **The Professor Hugh Calkins Lecture - On-demand**

|  |              |               |
|--|--------------|---------------|
| What does the future hold for catheter ablation in AF? | Hugh Calkins | Baltimore, US |
|--|--------------|---------------|

## **The Professor A John Camm Lecture**



## **The Professor A John Camm Lecture - On-demand**

As early AF ablation gains traction what is the role of anti-arrhythmic drugs?

A. John Camm

London, UK

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## **The Professor Harry Crijns Lecture**

### **The Professor Harry Crijns Lecture - On-demand**

Lifestyle, Risk Factor Modification and Upstream Therapies for AF  
- How to prioritise and implement to halt AF disease progression

Harry Crijns

Maastricht, NL

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## **The Professor Ben Freedman Lecture**

### **The Professor Ben Freedman Lecture - On-demand**

Screening for AF - is it now finally time?

Ben Freedman

Sydney, AU

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# Arrhythmia Alliance & BHRS Joint Session

## Arrhythmia Alliance & BHRS Joint Session - On-demand

| Chair: Alistair Slade                                       |                           | Truro, UK                  |
|---|---------------------------|----------------------------|
| BHRS Remote Monitoring Survey - What has the data revealed? | Eleri Gregory, Ian Wright | Manchester, UK, London, UK |
| A-A Remote Monitoring Survey - What have the data revealed? | Trudie Lobban(MBE)        | Stratford Upon Avon, UK    |