



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 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
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, 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, 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

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

Chair: Fred Kusumoto	Jacksonville, US	
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 Haldar

London, UK

Innovation in arrhythmia detection tools

Sana Al-Khatib

Durham, US

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

INNOVATION AND CLINICAL TRIALS

Chair: Sotiris Antoniou

London, UK

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,
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

Chair: Klaus Witte

Leeds, UK

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

Chair: Trudie Lobban(MBE)

Stratford Upon Avon, UK

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

Chair: Richard Sutton

Monte Carlo, MC

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

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

POTS AND INNOVATION: LIGHT AT THE END OF THE TUNNEL

Chair: Nicholas Tullo

New Jersey, US

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
Chair: Richard Sutton		Monte Carlo, MC



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
Chair: Blair Grubb		Toledo, US
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

Chair: Jan Till, Sam Mohiddin, Stephen Page		London, UK, London, UK, Leeds, UK
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

Chair: Fozia Ahmed		Manchester, UK
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
Chair: Honey Thomas		Northumbria, UK
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

Chair: Lee Graham

Leeds, 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

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, 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

Chair: Andre Ng

Leicester, UK

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, 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, 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, Sophie Welch	London, UK, London, 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, 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

Chair: Mark Walsh, Martin Lowe		Dublin, IE, London, UK
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



Chair: Maria Ilina		Glasgow, UK
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		
Chair: Cecilia Gonzalez Corcia, Shankar Sadagopan		Bristol, UK, Southampton, UK
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
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



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 Batty, 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



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, 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 Kutiyifa	Rochester, US
Should all patients without a pacing indication receive an SICD?	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, 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, 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 [®] 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 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 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 CO2 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 PHOTOPLETHYSMOGRAPHY BASED APPLICATION TO IDENTIFY PROBABLE ATRIAL FIBRILLATION AND ECTOPIC ACTIVITY IN AN NHS ARRHYTHMIA NURSE REMOTE FOLLOW UP CLINIC	David Ferguson	Kendal, UK
IMPLANTABLE LOOP RECORDER WOUNDS- SINGLE CENTER REVIEW OF AN OUTPATIENT WOUND CLOSURE STRIP MODEL OF CARE	Helen Harvie	London, UK
AN EXPERIENCE OF A NURSE-LED DC CARDIOVERSION SERVICE AT A DISTRICT GENERAL HOSPITAL	Raajkamal Dharmapuri Jayavelu	Worcester, UK
RADIATION EXPOSURE ASSOCIATED WITH ATRIAL FIBRILLATION ABLATION COMPARED WITH COMMON RADIATION SOURCES: A CONTEMPORARY EXPERIENCE FROM A HIGH-VOLUME OPERATOR	Aisha Hameed	London, UK
CARDIAC TAMPONADE AS A COMPLICATION OF TRANSSEPTAL PUNCTURE: ASSOCIATIONS AND OPERATOR-DEPENDENT VARIABLES DURING LEFT ATRIAL ABLATION AT BARTS HEART CENTRE	Edd Maclean	London, UK
AS-REQUIRED ORAL ANTICOAGULATION GUIDED BY RHYTHM MONITORING FOR STROKE PREVENTION IN PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION: A SYSTEMATIC REVIEW AND META-ANALYSIS	Andre Briosas e Gala	London, UK
DRIVE-THROUGH CARDIAC IMPLANTABLE ELECTRONIC 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

Q&A with Live audience



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



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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

CARTO25 V2

PATIENT STORY 1

PATIENT STORY 2



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



Acutus Medical - On-demand

New Standard for Individualised AF Mapping and Treatment

Tim Betts

Oxford, UK



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



Sky Labs - On-demand

Wearable devices in cardiology: Reality, not a dream



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



MicroPort - On-demand

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



Cardioscan - On-demand

The Electrocardiographic Spectrum of Wenckebach
Atrio-Ventricular Block

Harry Mond

Melbourne, AU



Baylis Medical - On-demand

Experience with a novel 2Fr catheter for deep intramyocardial substrate

Anthony Li London, UK



Philips - On-demand

Philips EPD Solution, Cryoballoon Ablation

Filippo Cauti

Rome, IT



Kimal - On-demand

TauroPace - A promising solution



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



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



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



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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

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?	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

Q&A with Live audience



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

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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



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

Chair: Ahmet Fuat		Darlington, UK
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

Chair: Fred Kusumoto		Jacksonville, US
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, 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
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
New ESC guidelines on pacing with respect to syncope	Richard Sutton	Monte Carlo, MC
Tilt vs ICM/ILR	Robert Sheldon	Calgary, CA
Chair: Richard Sutton		Monte Carlo, MC



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
Chair: Blair Grubb		Toledo, US
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

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



AF Association Symposia

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, 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

Chair: Andre Ng

Leicester, UK

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

Chair: Alistair Slade, Derek Connelly		Truro, UK, Glasgow, UK
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
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Panel	Christopher Monkhouse, Honey Thomas, Paul Doherty	London, UK, Northumbria, UK, Solihull, UK
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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

Chair: Ahmet Fuat		Darlington, UK
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



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



The Professor Ben Freedman Lecture

The Professor Ben Freedman Lecture - On-demand

Screening for AF - is it now finally time?

Ben Freedman

Sydney, AU



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

