

# EHRA<sub>2024</sub>

7-9 Berlin April & Online

### **PROGRAMME AT A GLANCE\***

\*This programme does not include Moderated ePoster, Research Gateway, Clinical cases and Simulation Village sessions, for the latest updates please check the event platform

- All sessions from room 1 to 5 will be available as VOD.
- All sessions held in room 6 to 8 are only available for onsite delegates.



#### **TUTORIALS**

Devices, Imaging, Clinical Practice
Dedicated programmes from experts on the practical application of knowledge and skills
Sign up now in front of the Tutorials room or find out more at the sponsor's stand
Places are limited so make sure to register in advance

> Sponsored by Me	dtronic	
09:00-17:30	Latest and future innovations in cardiac rhythm management and cardiac mapping and ablation	Tutorials 1
> Sponsored by Me	dtronic	
09:00-10:00	Jugular implantation of a leadless pacemaker	Tutorials 2
10:15-11:00	Left bundle branch area pacing implant pathway - tips from the experts	Tutorials 2
11:15-12:15	Rapid insights and new efficiencies in atrial fibrillation ablation	Tutorials 2
12:30-13:30	Rapid insights into novel pulsed field ablation technologies	Tutorials 2
13:45-14:45	Optimising insertable cardiac monitors clinics: best practices and change management	Tutorials 2
15:00-15:45	Conduction system pacing follow-up: what you should know	Tutorials 2
16:00-17:00	Extravascular implantable cardioverter-defibrillators (ICD): patient selection and implant procedure	Tutorials 2
Sponsored by Bost	on Scientific	
09:00-10:00	Hands-on experience on BSC technologies towards a best-in-class real time support	Tutorials 3
10:00-11:00	Explore S-ICD implant best practices, applying them in a dummy	Tutorials 3
11:00-12:00	Streamline S-ICD screening results: expert-led interactive case discussion	Tutorials 3
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11:00-11:45	Meet the expert: spasm, hemolysis How to avoid rare complications in pulsed field ablation procedures?	Tutorials 5
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16:00-16:45	Meet the expert: What if IntraCardiacEcho is too expensive to use? Our workflow with transesophageal echocardiography imaging during PFA procedures for atrial fibrillation	Tutorials 5
> Sponsored by Abb	ott en	
09:00-10:00	Development in Implantable Cardiac Monitor Systems (ICM) from diagnosis to monitoring	Tutorials 6
10:30-11:30	Current Guidelines (ESC/HRS) on conduction system pacing and the relevance of fusion-pacing	Tutorials 6
12:00-13:00	Conduction System Pacing (CSP): past, present and future	Tutorials 6
13:30-14:30	Optimisation and the impact of SyncAV. How to optimise CRT response for improved outcomes	Tutorials 6
15:00-16:00	LBB Implant in daily use. Using Merlin programmer (no 12 lead ECG)	Tutorials 6
16:30-17:30	How to get most out of a pacemaker? Interactive workshop for your clinical practice	Tutorials 6
Sponsored by Abb	ott	
09:00-18:00	Latest innovation in cardiac rhythm management: innovation and potential impact for future patient care	Tutorials 7
09:00-18:00	Perclose™ Prostyle™ suture-mediated closure and repair system introduction and hands-on	Tutorials 7
Sponsored by Abb	ott	
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15:00-16:00	New insights in VT: novel methods to simplify ablation targets	Tutorials 8
16:30-17:30	Make 3D complex case interpretation easy: my practical guide	Tutorials 8
Sponsored by ZOL	L Cardiac Management Solutions	
13:45-14:40	Early sudden cardiac death risk in newly diagnosed HFrEF patients – how to manage early guideline recommended medical therapy uptitration and the role of the wearable cardioverter defibrillator?	Tutorials 9
14:45-15:45	Managing patients at transient risk of sudden cardiac death early after acute myocardial infarction	Tutorials 9
> Sponsored by Phil	ips	
15:00-16:00	Meet the expert – bridge occlusion balloon	Tutorials 10
16:00-17:00	Improving cardiac implantable electronic devices infection (CIED) outcomes: an end to end approach	Tutorials 10

> Sponsored by Biotronik			
10:30-11:00	What is artificial intelligence and how does it work? An introduction for medical practitioners on feature-based, neural and language models	Tutorials 11	
15:30-16:00	What is artificial intelligence and how does it work? An introduction for medical practitioners on feature-based, neural and language models	Tutorials 11	



MONDAY, 8 A > Sponsored by Me		
09:00-17:30	Latest and future innovations in cardiac rhythm management and cardiac mapping and ablation	Tutorials 1
> Sponsored by Me	· · · · · · · · · · · · · · · · · · ·	Tutoriuis 1
09:00-10:00	Learn about next generation leadless pacemakers - a single device solution for AV block patients with smarter AV synchrony	Tutorials 2
10:15-11:00	Real world results with an antibacterial envelope: REINFORCE study	Tutorials 2
11:15-12:15	Left bundle branch area pacing implant pathway - tips from the experts	Tutorials 2
12:30-13:30	The next era of pacing: conduction system and leadless pacing	Tutorials 2
13:45-14:45	Optimising insertable cardiac monitors clinics: best practices and change management	Tutorials 2
15:00-15:45	Rapid insights into novel PFA technologies	Tutorials 2
16:00-17:00	Extravascular implantable cardioverter-defibrillators (ICD): key clinical evidence	Tutorials 2
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12:00-12:45	Meet the expert: how to handle sedation for pulsed field ablation procedures? A discussion with electrophysiologist, anesthetist and sedation specialist	Tutorials 5
14:00-14:45	Meet the expert: can 3D mapping system integration improve your pulsed field ablation workflow?	Tutorials 5
15:00-15:45	Meet the expert: decoding persistent AF: electrograms guided or pulsed field ablation anatomical approach?	Tutorials 5
16:00-16:45	Meet the expert: PFA in clinical practice: recurrence data and workflow recommendations	Tutorials 5

> Sponsored by Ab	bott	
09:00-10:00	Stylet driven LBB implantation	Tutorials 6
10:45-11:45	Main benefits of QRS narrowing in scope of cardiac resynchronisation therapy and LBBap	Tutorials 6
13:30-14:30	Optimisation of CRT as a gold standard to improve patient outcomes. How can we aim more benefits from QRS narrowing?	Tutorials 6
15:00-16:00	The role of ICD therapy in heart failure in 2024. What is the holistic approach to treat heart failure?	Tutorials 6
16:30-17:30	ICM data management with AI	Tutorials 6
> Sponsored by Ab	bott	
09:00-18:00	Latest innovation in cardiac rhythm management: innovation and potential impact for future patient care	Tutorials 7
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16:00-17:00	Make 3D complex case interpretation easy: my practical guide	Tutorials 8
17:30-18:00	Empowering VT Ablation Physicians: On-site Mastery of CT & MR Imaging	Tutorials 8
18:00-18:30	CTA in Left Atrium Management: Wall Thickness to PV Isolation and Cardioneuroablation	Tutorials 8
> Sponsored by ZC	LL Cardiac Management Solutions	
09:30-10:30	Sudden cardiac death risk stratification in 2024 - what has changed with current guideline recommended medical therapy?	Tutorials 9
11:00-12:00	Early SCD risk in newly diagnosed HFrEF patients – how to manage early GRMT up-titration and the role of the WCD?	Tutorials 9
14:30-15:30	Implementation of Wearable Cardioverter Defibrillator in clinical practice – medical and economic outcomes	Tutorials 9
12:00-12:45		
09:00-10:00	Patient cases - delayed transvenous lead extraction (TLE) after infection	Tutorials 10
13:00-14:00	Expect the unexpected female extractors exchange	Tutorials 10
15:00-16:00	Laser transvenous lead extraction - risky or safe?	Tutorials 10
Sponsored by Me	dtronic	
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09:00-10:00	Extravascular implantable cardioverter-defibrillator (ICD): implant procedure, programming and follow-up	Tutorials 2
10:15-11:00	Exploring ablation modalities for optimal patient outcomes: focal vs. singleshot, RF, Cryo, or PFA?	Tutorials 2
11:15-12:15	Real world results with an antibacterial envelope: REINFORCE study	Tutorials 2
12:30-13:30	Innovating in insertable cardiac monitoring: the past, the present, and the future	Tutorials 2
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> Sponsored by Abbo	tt	
09:00-10:00	Optimal programming - How to get the best out of the cardiac resynchronisation therapy for your patients?	Tutorials 6
10:30-11:30	Cardiac resynchronisation therapy on top of optimal medical treatment. What is the added value for your patient?	Tutorials 6
12:00-13:00	How to get most out of an ICD ? Interactive workshop for your clinical practice	Tutorials 6
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> Sponsored by Philip	s .	
09:00-10:00	Tandem approach - when do we need this?	Tutorials 10
> Sponsored by Biotro	onik	
12:00-12:30	What is artificial intelligence and how does it work? An introduction for medical practitioners on feature-based, neural and language models	Tutorials 11





#### **SUNDAY, 7 APRIL**

> 08:24-08:29			
Special Session	EHRA 2024, Good Morning by ESC TV	0	Room 3, livestreamed channel 3
> 08:30-09:30			
Abstract Session	Atrial Fibrillation - Ablation 1		Agora
How To	New challenges in lead extraction	0	Room 1, livestreamed channel 1
Symposium	All about LAA occlusion	0	Room 2, livestreamed channel 2
Debate Session	Screening for atrial fibrillation  Joint session with Asia Pacific Heart Rhythm Society (APHRS)	0	Room 3, livestreamed channel 3
Special Session	Live-in-the-Box - mapping/ablation in persistent atrial fibrillation: how to establish an efficient workflow		Room 4
Symposium	Current practices in the management of channelopathies		Room 5
Symposium	EP interventions for stroke risk reduction in atrial fibrillation		Room 6
How To	State-of-the-art management of arrhythmias using robotics In collaboration with SCRN		Room 7
Symposium	Indications: atrial fibrillation ablation in specific subgroups  Joint session with Chinese Society of Pacing and Electrophysiology (CSPE)		Room 8
> 09:40-10:05			
Special Event	Inaugural session		Agora
> 10:10-11:10			
Award Sessions	Young Investigator Award Clinical Cardiology		Agora
> 10:15-11:00			
Satellite Symposium	A novel atrioventricular interval modulation therapy for uncontrolled hypertension: implications for electrophysiologists Sponsored by Orchestra BioMed/Medtronic alliance		Room 4
> 11:15-12:15			
Abstract Sessions	Ventricular tachycardia: sudden cardiac death		Agora
Symposium	Technologies I: focus on electroporation I, general topics	0	Room 1, livestreamed channel 1

#### **SUNDAY, 7 APRIL** (CONTINUED)

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How To	Cardiac pacing to restore or preserve ventricular synchrony: biventricular, His bundle and left bundle branch pacing	Room 2, livestreamed channel 2
Symposium	Artificial intelligence in atrial fibrillation	Room 3, livestreamed channel 3
Special Session	Live-in-the-Box - VT ablation in non-ischaemic CMP: the good, the bad, and the ugly	Room 4
Guidelines in Practice	Interpreting the SCD ventricular arrhythmia guidelines in primary electrical disease	Room 5
Meet the Experts	How to prevent sudden cardiac arrest in young athletes?	Room 6
Symposium	Difficult decisions in patients with cancer and arrhythmia/devices In collaboration with the ESC Council of Cardio-Oncology	Room 7
Special Session	EHRA tracing: ECG (1)	Room 8
> 12:30-13:30		
Abstract Sessions	Conduction system pacing - Cardiac resynchronisation therapy	Agora
Satellite Symposium	Innovations in cardiac rhythm management: what is new in 2024?  Sponsored by Medtronic	Room 1, livestreamed channel 1
Satellite Symposium	Mastering stylet-driven approach for left bundle branch area pacing (LBBAP)  Sponsored by BIOTRONIK	Room 2
Satellite Symposium	Cardiac contractility modulation: innovative therapy for heart failure management Sponsored by Charité Friends & Sponsors Trust - Supported by an unrestricted educational grant from Impulse Dynamics	Room 5
> 13:45-14:45		
Abstract Sessions	eCardiology	Agora
Late-Breaking Science	Late-Breaking Science: clinical	Room 1, livestreamed channel 1
Symposium	When, why, and how to perform conduction system pacing Joint session with Heart Failure Association (HFA)	Room 2, livestreamed channel 2
Case-Based Session	Mastering the challenges of ablating difficult atrial tachycardias	Room 3, livestreamed channel 3
Special Session	Live-in-the-Box - strive for perfection	Room 4
Debate Session	Cardioneuroablation: controversial issues	Room 5
Debate Session	Battle of the giants: conquering SVT cases in the EP lab	Room 6

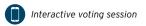
#### **SUNDAY, 7 APRIL** (CONTINUED)

Symposium	How to decrease the carbon footprint by sustainable interventional arrhythmia management?		Room 7
Special Session	EHRA tracing: devices (1)		Room 8
> 14:55-15:55			
Abstract Sessions	Atrial fibrillation: ablation 2		Agora
> 15:00-15:45			
Satellite Symposium	A journey in sudden cardiac death therapy: finetuning established therapies and new innovations Sponsored by Boston Scientific		Room 2
Satellite Symposium	Improving catheter ablation of atrial flutter and fibrillation using an innovative ep recording system and imaging software Sponsored by GE HealthCare		Room 3
Satellite Symposium	Innovations in vascular closure: from clinical evidence to ambulatory excellence in electrophysiology Sponsored by Haemonetics		Room 4
> 16:00-17:00			
Clinical Cases	Complex implantable cardiac device cases		Agora
Symposium	Technologies II: update	0	Room 1, livestreamed channel 1
Symposium	Catheter ablation of VT in specific substrates	0	Room 2, livestreamed channel 2
Guidelines in Practice	When to implant a primary prevention ICD in patients with structural heart disease: interpreting the 2022 SCD ventricular arrhythmia guidelines	0	Room 3, livestreamed channel 3
Special Session	Live case session - atrial reentrant tachycardia: how to tackle all the atypical stuff!		Room 4
How To	Real-life diagnostic tests in a modern syncope unit		Room 5
Symposium	How do I manage frequent PVCs?		Room 6
Symposium	Sustainability and arrhythmia treatment: what are the arguments?		Room 7
Special Session	EHRA tracing: EP electrograms (1)		Room 8
> 17:15-18:15			
Abstract Sessions	Basic science: genetic		Agora
Symposium	Recurrent AF/AT: what to do?  Joint session with Latin American Heart Rhythm Society (LAHRS)	0	Room 1, livestreamed channel 1

#### SUNDAY, 7 APRIL (CONTINUED)

Special Session	Honorary lectures	Room 2, livestreamed channel 2
Special Session	ECG Competition	Room 3, livestreamed channel 3
Symposium	Comorbidity management in patients presenting with atrial fibrillation – the EHRA-PATHS Project	Room 4
Debate Session	Debates in adult congenital heart disease (ACHD)	Room 5
Symposium	Advanced image-guided techniques in cardiac resynchronisation therapy	Room 6
Case-Based Session	Sudden death in the family: how to deal with it	Room 7
Case-Based Session	Learn from 'real' clinical cases	Room 8
> 18:25-18:45		
Special Session	EHRA 2024, Wrap-up by ESC TV	Room 3, livestreamed channel 3





#### MONDAY, 8 APRIL

> 08:24-08:29		
Special Session	EHRA 2024, Good Morning by ESC TV	Room 3, livestreamed channel 3
> 08:30-09:30		
Abstract Sessions	Atrial fibrillation: stroke - oral anticoagulants	Agora
Symposium	Strategies: how to ablate persistent atrial fibrillation?	Room 1, livestreamed channel 1
Symposium	Atrial fibrillation rhythm control in heart failure patients: what has changed?  Joint session with Heart Rhythm Society (HRS)	Room 2, livestreamed channel 2
Symposium	When and how to treat PVCs?	Room 3, livestreamed channel 3
Special Session	Live case session - VT ablation in ischaemic CMP: how to improve the outcomes	Room 4
How To	State-of-the-art management of ventricular arrhythmia in CHD patients	Room 5
Guidelines in Practice	Practical management of alerts from remote monitoring	Room 6
Cardiac Anatomy and Pathology Live	Cardiac anatomy workshop: Part 1	Room 7
Symposium	Optimising catheter ablation of atrial fibrillation  Joint session with Canadian Heart Rhythm Society (CHRS)	Room 8
> 09:40-10:40		
Award Sessions	Young Investigator Award Basic and Translational Science	Agora
> 09:45-10:30		
Satellite Symposium	Pulsed field ablation surge in the atrial fibrillation world  Sponsored by Boston Scientific	Room 1
Satellite Symposium	Latest advancements in mapping and ablation: safety, speed, and outcomes  Sponsored by Abbott	Room 2, livestreamed channel 2
Satellite Symposium	Lead extraction 2024 - achieving excellence beyond simple extraction  Sponsored by COOK Medical	Room 3
> 10:45-11:45		
Abstract Sessions	Ventricular tachycardia: ablation	Agora

#### MONDAY, 8 APRIL (CONTINUED)

Symposium	2024 EHRA/HRS/APHRS/LAHRS Expert Consensus Statement on Catheter and Surgical Ablation of Atrial Fibrillation (AF)	0	Room 1, livestreamed channel 1
Meet the Experts	Ablation strategies for challenging SVT  Joint session with Japanese Heart Rhythm Society (JHRS)	0	Room 2, livestreamed channel 2
Symposium	Leadless technology: shifting the paradigm	0	Room 3, livestreamed channel 3
Special Session	Live-in-the-Box - difficult PVCs: the tips and tricks that really help		Room 4
Symposium	Artificial intelligence: not so smart after all?		Room 5
Meet the Experts	Noninfected lead extraction indications: what should I consider!		Room 6
Cardiac Anatomy and Pathology Live	Cardiac anatomy workshop: Part 2		Room 7
Special Session	EHRA tracing: ECG (2)		Room 8
> 12:00-13:00			
Clinical Cases	Ventricular arrhythmias and sudden cardiac death in inherited cardiac conditions cases		Agora
Satellite Symposium	Redefining safety and efficiency in cardiac mapping and ablation in AF and beyond Sponsored by Medtronic	0	Room 1, livestreamed channel 1
Satellite Symposium	Breakthrough innovations in leadless pacing Sponsored by Abbott	0	Room 2, livestreamed channel 2
Satellite Symposium	Work with leads, not around leads Sponsored by Philips		Room 3
Special Event	General Assembly		Room 4
> 13:15-14:15			
Abstract Sessions	ICD and remote monitoring		Agora
Late-Breaking Science	Late-Breaking Science: ablation	0	Room 1, livestreamed channel 1
Symposium	High-density mapping to identify targets for VT ablation	0	Room 2, livestreamed channel 2
Symposium	ICD therapy outside the chest wall	0	Room 3, livestreamed channel 3

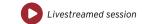
## MONDAY, 8 APRIL (CONTINUED)

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Special Session	Live case session - WPW ablation revisited: how to improve your results	Room 4
Symposium	How to tackle the autonomic nervous system in the clinical setting	Room 5
Symposium	How to use the genetics and genomics in sudden cardiac death risk prediction	Room 6
Cardiac Anatomy and Pathology Live	Cardiac anatomy workshop: Part 3	Room 7
Special Session	EHRA tracing: devices (2)	Room 8
> 14:25-15:25		
Abstract Sessions	Atrial fibrillation: clinical 1	Agora
> 14:30-15:15		
Satellite Symposium	CARTO integrated PFA platform - Live case Sponsored by Biosense Webster	Room 1, livestreamed channel 1
Satellite Symposium	Advanced approaches to combined epicardial and endocardial strategies - from new consensus to practice  Sponsored by Radcliffe Medical Education - Supported by an unrestricted educational grant from AtriCure Inc	Room 2, livestreamed channel 2
Satellite Symposium	Device-detected atrial fibrillation: a new frontier for anticoagulation?  Sponsored by BMS/Pfizer	Room 3, livestreamed channel 3
> 15:30-16:30		
Clinical Cases	Challenges in arrhythmia management - varia	Agora
Symposium	What would you change in the new 2024 atrial fibrillation guidelines?	Room 1, livestreamed channel 1
Case-Based Session	Tips and tricks for successful VT/PVC ablation at various anatomical locations	Room 2, livestreamed channel 2
Symposium	ICD therapy under the sternum	Room 3, livestreamed channel 3
Special Session	Live case session - AVNRT revisited: old standards with new tools for diagnostic and treatment in 2024	Room 4
Case-Based Session	How to manage challenging arrhythmia syndromes	Room 5
Symposium	Are we seeing a paradigm shift in anticoagulation? NOACs and factor XIa inhibitors	Room 6
Cardiac Anatomy and Pathology Live	Plastinated hearts: how to correlate cardiac anatomy and ECG?	Room 7
Special Session	EHRA tracing: EP electrograms (2)	Room 8

#### MONDAY, 8 APRIL (CONTINUED)

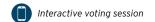
> 16:45-17:45		
Abstract Sessions	Clinical: prevention	Agora
Debate Session	Debates in atrial fibrillation ablation (1)	Room 1, livestreamed channel 1
Special Session	Hein Wellens Memorial ECG Session	Room 2, livestreamed channel 2
Symposium	The grey zones of CIED therapy	Room 3, livestreamed channel 3
Symposium	Optimising cardiac electronic device implantation: tips and tricks	Room 4
Symposium	Arrhythmic mitral valve prolapse	Room 5
Symposium	My asymptomatic patient wants to practice sports, but the ECG shows	Room 6
Symposium	Improving quality of care for patients with atrial fibrillation: can quality indicators help?	Room 7
Symposium	EHRA 2024 Scientific Documents	Room 8
> 17:55-18:15		
Special Session	EHRA 2024, Wrap-up by ESC TV	Room 3, livestreamed channel 3





#### TUESDAY, 9 APRIL

> 08:24-08:29		
Special Session	EHRA 2024, Good Morning by ESC TV	Room 3, livestreamed channel 3
> 08:30-09:30		
Abstract Sessions	Atrial fibrillation: clinical 2	Agora
Debate Session	Debates in atrial fibrillation ablation (2)	Room 1, livestreamed channel 1
Debate Session	Controversies in VT ablation	Room 2, livestreamed channel 2
Debate Session	My patient has an indication for device therapy	Room 3, livestreamed channel 3
Case-Based Session	Ventricular arrhythmias with unclear aetiology: the best way to diagnosis	Room 4
Meet the Experts	New technologies for the care of children and adults with congenital heart disease	Room 5
Symposium	One size might not fit all: is there room for fine-tuning?	Room 6
Special Session	EHRA Innovation Forum	Room 7
Special Session	EHRA tracing: ECG (3)	Room 8
> 09:40-10:40		
Award Sessions	e-Cardiology Award	Agora
> 10:45-11:45		
Clinical Cases	Electrophysiology cases in cogential heart disease	Agora
Late-Breaking Science	Late-Breaking Science: devices	Room 1, livestreamed channel 1
Case-Based Session	Novel therapeutic approaches for the treatment of otherwise refractory VTs	Room 2, livestreamed channel 2
Debate Session	Controversies in SVT ablation	Room 3, livestreamed channel 3
Symposium	Update on sudden cardiac death - Focus on PROFID EHRA & RESET-CRT	Room 4



#### TUESDAY, 9 APRIL (CONTINUED)

Symposium	The Lancet Commission to reduce the global burden of sudden cardiac death: a call for multidisciplinary action	Room 5
Symposium	How much atrial fibrillation do we need? detection and treatment of atrial high-rate episodes	Room 6
Symposium	WGCCE - EHRA Session: Basic science update for clinical electrophysiologists	Room 7
Special Session	EHRA tracing: devices (3)	Room 8
> 12:00-13:00		
Abstract Sessions	Atrial fibrillation: ablation 3	Agora
> 13:15-14:15		
Clinical Cases	Challenging ventricular arrhythmia ablation cases	Agora
Symposium	Complications in atrial fibrillation ablation	Room 1, livestreamed channel 1
Late-Breaking Science	Late-Breaking Science today and tomorrow	Room 2, livestreamed channel 2
How To	How to get the most from EP manoeuvres for the differential diagnosis of SVT	Room 3, livestreamed channel 3
Symposium	European concepts to improve patient outcomes: 9th AFNET/EHRA conference, AFFECT-EU, and design of STEEER AF	Room 4
How To	What to do with	Room 5
Meet the Experts	Gene therapy for cardiac arrhythmias	Room 6
Symposium	Revisiting risk stratification in hypertrophic cardiomyopathy	Room 7
Special Session	EHRA tracing: EP electrograms (3)	Room 8
> 14:25-14:40		
Special Event	Closing session	Room 1, livestreamed channel 1
> 14:50-15:10		
Special Session	EHRA 2024, Wrap-up by ESC TV	Room 3, livestreamed channel 3

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