#### **TRACK 1** Hall 405, Market Place, Level 4

#### Day 1, Friday, 18 November 2022





#### **APHRS China Day Webinar: ICE**

Chairperson: Chenyang Jiang, China Panelist: Di Biase, USA / Chenyang Jiang, China / Deyong Long, China / Jingquan Zhong, China

The past and present of ICE Technology *Jingquan Zhong, China* 

Application of ICE in Atrium *Pual Zei, USA* 

**Ogeo-1200** Application of ICE in Ventricle *Deyong Long, China* 

New Prospects of ICE Technology *Di Biase, USA* 

#### **APHRS China Day Webinar: Advanced Ablation Catheter**

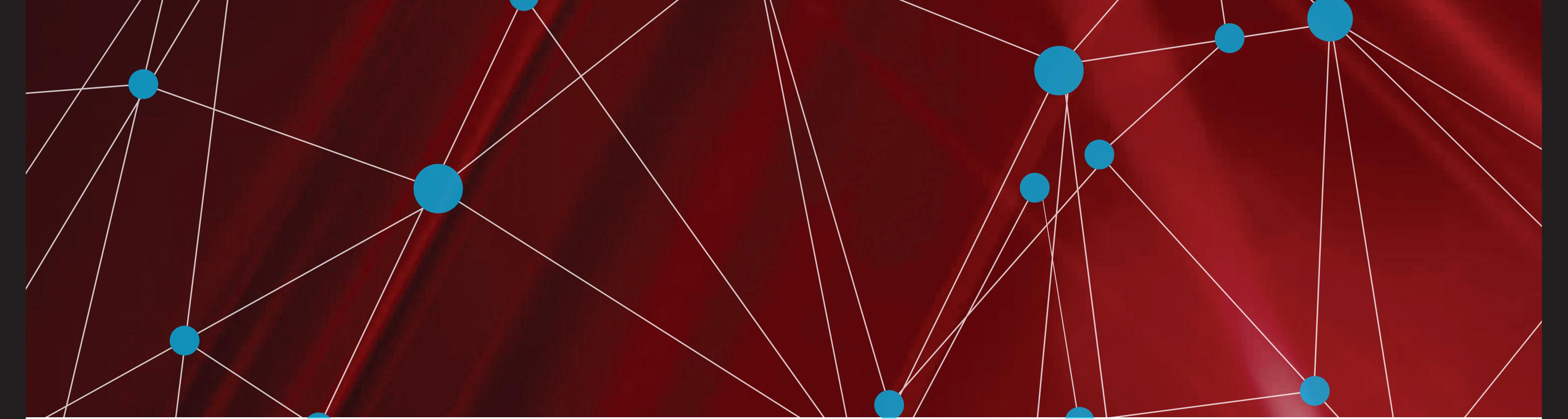
Chairperson: Shaowen Liu, China / Hua Fu, China Panelist: Samuel Asirvatham, USA / Bing Yang, China / Andrea Natale, USA / Samuel Asirvatham, USA / Xingpeng Liu, China / Hailong Tao, China

Q-Efficiency study, Workflow, HPSD Jose Osorio, United Kingdom

Case Sharing, Workflow, Statistics Related Evidence, Next-gen Improvement Andrea Natale, USA

#### **Ononing Coromony**

1500-1615	Convocation Ceremony Plenary Lecture by Prof Gregory Lip, UK
1630-1740	<b>Symposium 1: Atrial Fibrillation 1 - Persistent Atrial Fibrillation Ablation</b> Stuart Thomas, Australia / Tachapong Ngarmukos, Thailand / Young-Keun On, Korea
1630-1642	The Changing Landscape of Persistent Atrial Fibrillation (AF) Management: Where are we now? Andrea Natale, USA
1642-1654	Role of Mapping in Persistent Atrial Fibrillation (AF) Shih-Ann Chen, Taiwan
1654-1706	Beyond Pulmonary Vein Isolation in Persistent Atrial Fibrillation Ablation Koonlawee Nademanee, USA
1706-1718	What to do when Rhythm Control Strategies Fails? Seiichiro Matsuo, Japan
1718-1740	Panel Discussion
1745-1835	Welcome Reception



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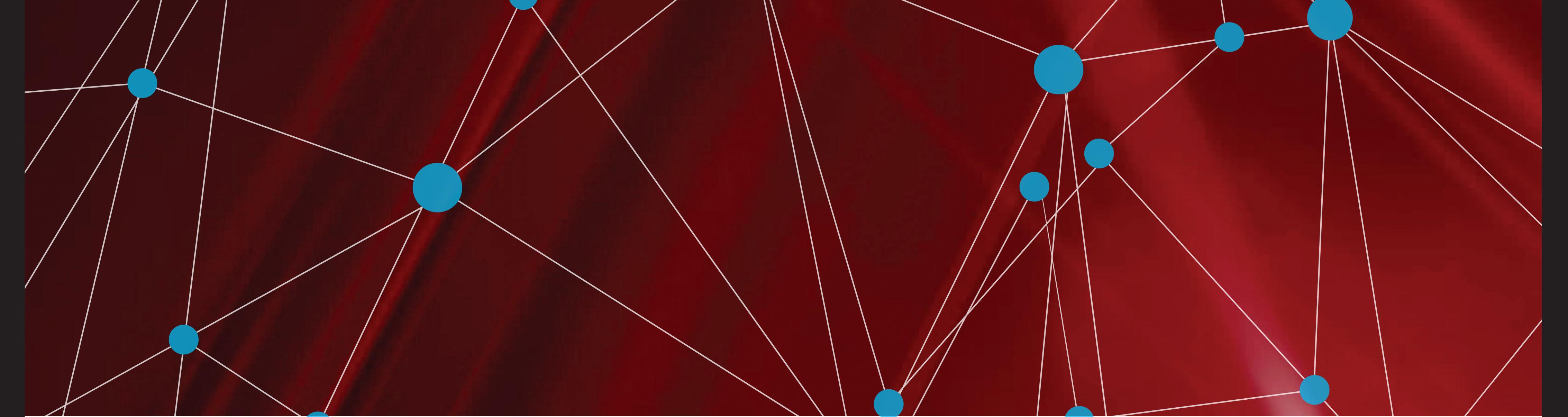


### **TRACK 2** Hall 405, Market Place, Level 4

#### Day 1, Friday, 18 November 2022

	Medtronic Educational Symposium Complex EGM's: Approach to the Unknown Tracing Chairperson: George Klein, Canada	Mectronic		
1230-1445	Complex EGM's: Approach to the Unknown Tracing Raymond Sy, Australia			
	Complex EGM's: Approach to the Unknown Tracing <i>Takashi Kurita, Japan</i>			
	Complex EGM's: Approach to the Unknown Tracing Dhanunjaya Lakkireddy, USA			
1630-1740	<b>Symposium 2: Conduction System Pacing 101</b> Giky Karwiky, Indonesia / Matthew Webber, New Zealand			
1630-1642	Pacing-Induced Cardiomyopathy: Predicting and Preventing Muhmmad Munawar, Indonesia			
1642-1654	642-1654 Conduction System Pacing: Is Conduction System Pacing for Everyone who Requires Pacing? Ulhas Pandurangi, India			
1654-1706	Tips and Tricks for His bundle pacing (HBP) / Left Bundle Branch Pacing (LBBP)			

1654-1706	Swee-Chong Seow, Singapore
1706-1718	Conduction System Pacing for Heart Failure: Ready for Prime Time? Justin Mariani, Australia
1718-1740	Panel Discussion



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#### **TRACK 3** Room 329 - Summit 2, Heart Rhythm Village, Level 3

#### Day 1, Friday, 18 November 2022

#### **Abbott Education Workshop**

Chairperson: Chi-Keong Ching, Singapore / Soot-Keng Ma, Malaysia / Daniel Chong, Singapore / Sri Sundaram, USA



#### Part 1: Conduction System Pacing

Tips & Tricks of using Agilis HisPro catheter *Boon-Yew Tan, Singapore* 

Shaping and Hands-on Practice with Agilis HisPro Catheter on 3D Heart Model *Eric Lim, Singapore / Boon-Yew Tan, Singapore* 

Hands-on Practice of Securing Stylet-driven Screw-in Leads Through Wet-Lab *Eric Lim, Singapore / Boon-Yew Tan, Singapore* 

#### 0800-1430

Electrogram Reading, Diagnosis, and Closing *Eric Lim, Singapore / Boon-Yew Tan, Singapore* 

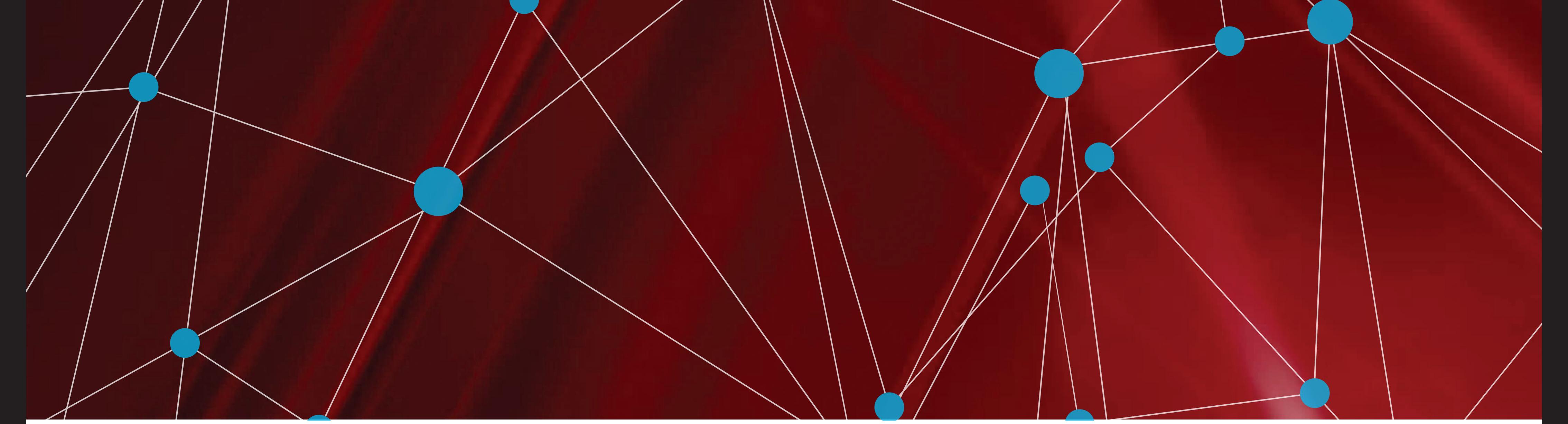
#### Part 2: CRT Optimization Workshop

Application of BioDigital 3D Visualization in Understanding CRT Lead Positioning Kelvin Wong, Singapore

Application of InterSim III Interactive Heart Simulator in Understanding CRT Programming and Optimization *Anil Saxena, India* 

EGM Recording Techniques, Abnormal EGMs, and Mechanisms of Arrhythmias Kelvin Chua, Singapore

	EP Maneuvers in Wide vs. Narrow Complex QRS Tachycardia <i>Sri Sundaram, USA</i>
	Interpretation of Activation Maps Beyond Colors <i>Eric Lim, Singapore</i>
	Theory, Challenges and Pitfalls of Pace Mapping and Entrainment Mapping <i>Takanori Yamaguchi, Japan</i>
	Theory, Challenges and Pitfalls of Pace Mapping and Entrainment Mapping Akihiko Nogami, Japan
1630-1740	<b>Symposium 3: APHRS - EHRA Joint Session</b> Jose Luis Merino, Spain / Wataru Shimizu, Japan
1630-1642	Pre-Interventional Imaging Helmut Pürerfellner, Austria
1642-1654	Ventricular Tachycardia-Ablation in Ischemic Cardiomyopathy Ming-Long Chen, China
1654-1706	Ventricular Tachycardia-Ablation in Non-Ischemic Cardiomyopathy Kyoko Soejima, Japan
1706-1718	Novel Therapies in Ventricular Tachycardia Management <i>Jose Luis Merino, Spain</i>
1718-1740	Panel Discussion



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#### **TRACK 4** Nicoll 3, Heart Rhythm Village, Level 3

#### Day 1, Friday, 18 November 2022

1630-1740	<b>Symposium 4: Grown-Up Congenital Heart Disease (GUCH) Device Therapy</b> Jun Yoshimoto, Japan / Hiroko Asakai, Australia / Aya Miyazaki, Japan
1630-1642	Anatomical challenges in device therapy in Grown-Up Congenital Heart Disease (GUCH) patients <i>Wei-Chieh Tseng, Taiwan</i>
1642-1654	Conduction System Pacing in the Grown-Up Congenital Heart Disease (GUCH) Population Sabrina Tsao, Hong Kong
1654-1706	Primary Prevention Implantable Cardioverter-Defibrillators (ICDs) in the Grown-Up Congenital Heart Disease (GUCH) Patients <i>Jae-Sun Uhm, Korea</i>
1706-1718	Programming Considerations in Grown-Up Congenital Heart Disease (GUCH) patients with Cardiovascular Implantable Electronic Devices (CIED) <i>Andreas Pflaumer, Australia</i>
1718-1740	Panel Discussion



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#### **TRACK 5** Nicoll 1, Heart Rhythm Village, Level 3

#### Day 1, Friday, 18 November 2022

1630-1740	<b>Symposium 5: From Genes to Disease</b> Rohayati Taib, Brunei / Pattarapong Makarawate, Thailand / Chrishan J A Ramachandra, Singapore
1630-1642	From Genes to Disease: Genetic Architecture of Brugada Syndrome <i>Elijah Behr, UK</i>
1642-1654	From Genes to Disease: Fibrosis in Atrial Fibrillation - The Genes Perspective Xander Wehrens, USA
1654-1706	From Genes to Disease: Molecular autopsy of sudden death - Findings and Implications <i>Chris Semsarian, Australia</i>
1706-1718	From Genes to Disease: Long QT genetics <i>Leonie Wong, UK</i>
1718-1740	Panel Discussion



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#### TRACI 1 Hall 405, Market Place, Level 4

Day 2, Saturday, 19 November 2022

	Wanwarang Wongcharoen, Thailand	1415- 1525	Symposium 16: Supraventricular Tachycardia 1 - Tips and Tricks Mohammad Iqbal, Indonesia / David Heaven, New Zealand /	
0730- 0830	Live Case in a Box - Impedance & voxel cardiac mapping: the power of choice <i>Takanori Yamaguchi, Japan</i>		Helmut Pürerfellner, Austria	
	Live Case in a Box - Optimizing Protocols - How it is Changing My Practice, with HD Grid in AF and VT	1415- 1427	Difficult Atrioventricular Nodal Reentrant Tachycardia (AVNRT) <i>Seongwook Han, Korea</i>	
	Eric Lim, Singapore	1427- 1439	Tachycardias around the HIS Bundle	
0000	Late Breaking Clinical Trials 1 Chairpersons: Kazuo Matsumoto, Japan / Sofian Johar, Brunei Discussants: Oussama Wazni, USA /		Piotr Futyma, Poland	
0900- 1010			Atriofascicular Pathways <i>Yasuo Okumura, Japan</i>	
	Venkat Tholakanahalli, USA Symposium 6: Implant Techniques	1451-	Nodofascicular or Nodoventricular Pathways	
1030- 1140	Matthew O' Connor, New Zealand / Shunmuga Sundaram	1503	Jae-Sun Uhm, Korea	
	Ponnusamy, India / Nigel Lever, New Zealand	1503- 1525	Panel Discussion	
1030- 1042	How to do His Bundle Pacing (HBP) and HOT <i>Parikshit Sharma, USA</i>		Cumposium 21. Stroke Drovention in Atrial Eibrillation 2	
1042- 1054	<ul> <li>How to do Left Bundle Branch (LBB) and LOT Pacing <i>Pugazhendhi Vijayaraman, USA</i></li> <li>Tips and Tricks for the Difficult Cardiac Resynchronization Therapy (CRT) Implant <i>Seung-Jung Park, Korea</i></li> <li>Bost Practicos for the Subcutaneous Implantable</li> </ul>		<b>Symposium 21: Stroke Prevention in Atrial Fibrillation 2</b> - <b>Beyond Anticoagulation</b> Ju-Youn Kim, Korea / Keng-Tat Koh, Malaysia / Eun-Sun Jin, Korea	
1054- 1106				
1106-			How to Perform Left Atrial Appendage (LAA) Occlusion <i>Ali Oto, Turkey</i>	
1118	Watchara Lohawijarn, Thailand	1612-	Left Atrial Appendage (LAA) Device Related Thrombus:	
1118- 1140	Panel Discussion		Risk Factors and Management Venkat Tholakanahalli, USA	
	Medtronic Lunch Symposium Key considerations on Micra <sup>™</sup> VR & Mecttronic	1624- 1636	Latest Developments in Left Atrial Appendage Closure (LAAC) <i>Wazni Oussama, USA</i>	
	<ul> <li>AV implantation &amp; troubleshooting Chairperson: Razali Omar, Malaysia Panelist: Masahiko Goya, Japan / Wei-Chung Tsai, Taiwan / Vanita Arora, India</li> <li>Micra™ VR experience sharing - Patient selection Jun Beom Park, Korea</li> <li>Micra™ VR experience sharing - Procedure tips Sirin Apiyasawat, Thailand</li> <li>Micra™ AV technology &amp; Latest Clinical Evidence - Patient Selection Michael Wong, Australia</li> <li>Case Study Presentation - Micra™ optimization case sharing Yuan-Hung, Taiwan</li> <li>Micra™ Case Study Presentation - How to optimize the AV delay and understanding on Micra™ mechanical sensing on this matter Razali Omar, Malaysia</li> <li>Symposium 11: Anatomy for the Electrophysiologist Taka-aki Matsuyama, Japan (Mam Chandara Cambodia /</li> </ul>		The Role of Surgical Closure in Stroke Prevention in Atrial Fibrillation <i>Dong-Seop Jeong, Korea</i>	
			Panel Discussion	
1200- 1300			BIOTRONIK Evening Symposium Get to the Essence of Arrhythmias:	
			Improving Outcomes with Charge Density Non-Contact Mapping and Pulsed Field Ablation Chairperson: Eric Lim, Singapore / Simon James, United	
			Kingdom Panelist: Stuart Thomas, Australia / Paul Gould, Austra	
			Derrick Chou, USA Atrial fibrillation: demystifying the unknown <i>Tim R.Betts, England</i>	
1300-			Very short running atrial tachycardias and IAST: impossible	
1/10	Tuka-aki watsuyama, Japan / Wam Jinamuara, Jambuula /			

1410	Geoffrey Lee, Australia	to map? Tamas Szili-Torok, Netherlands		
1300- 1312	Anatomy for the Electrophysiologist: The Epicardial Space, Accessing and Navigating Safely <i>Kyoko Soejima, Japan</i>	When anatomical ablation strategies are not enough: reducing the recurrence of AF in Redo PVIs with charge		
1312-	Anatomy for the Electrophysiologist: Intricacies of the LV	density mapping Leif-Hendrik Boldt, Germany		
1324	Summit and Coronary Venous System, Implications for Ablation <i>Kalyanam Shivkumar, USA</i>	Pulsed field ablation: the promise of lesion durability and		
1324-	Anatomy for the Electrophysiologist: Conduction System	safety with PFA Vivek Reddy, USA		
1336	Anatomy in Congenital Heart Disease - When and Where to Beware <i>Jun Yoshimoto, Japan</i>			
1336- 1348	Anatomy for the Electrophysiologist: Anatomy for Atrial Fibrillation (AF) Ablation <i>Siew-Yen Ho, UK</i>			
1348- 1410	Panel Discussion			





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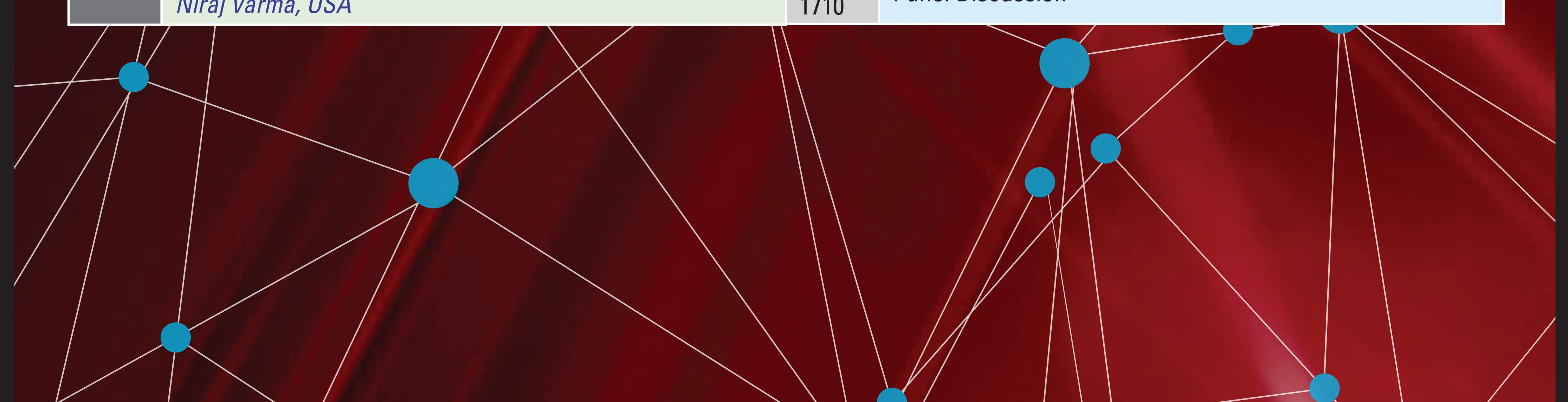


### **TRACK 2** Hall 405, Market Place, Level 4

Day 2, Saturday, 19 November 2022

07	0730-	Abbott Sunrise Session – A New Era of Leadless Pacemaker Technology Chairperson: Takashi Kurita, Japan / Chi-Keong Ching, Singapore		Sympodium 12: Technical advances in CardiacImplantable Electrical Devices (CIEDs)MectronicPaul Gould, Australia / Dian Andina Munawar, Indonesia / Kamal K Sethi, IndiaNotestal Content from Medtronic	
	830	Safety and Efficacy of Aveir Leadless Pacemaker - Leadless II Study <i>Vivek Reddy, USA</i> Novel Screw-In Leadless Pacemaker Implantation Experience Sharing <i>Sri Sundaram, USA</i>		Advances in Leadless Pacing <i>Azlan Hussin, Malaysia</i>	
				Advances in Non-Transvenous Implantable Cardioverter- Defibrillators (ICDs) <i>David O'Donnell, Australia</i>	
				Advances in Conduction System Pacing	
00	30	J&J Biosense Webster Innovation Theatre Biosense Webster. Fast and Effective – qDot <sup>TM</sup> Technology		Pugazhendhi Vijayaraman, USA Novel and Experimental Device Innovations	
0930- 1000		Fast and Effective – qDot <sup>™</sup> Technology	1336- 1348	Kumar Narayanan, India	
		Masateru Takigawa, Japan		Panel Discussion	
		<b>Symposium 7: Atrial Fibrillation 2</b> - New Ablation Technologies Mehrdad Emami, Australia / Hee-Tae Yu, Korea / Andrea Natale, USA			
10; 11;	<b>30-</b> <b>40</b>			<b>Symposium 17: Epicardial Approaches to Ablation</b> Stuart Thomas, Australia / Kuan-Cheng Chang, Taiwan / Ajit Thachil, India	
	30- 42	Clinical Update on Pulsed Field Ablation in Real World - Is it Ready for Prime Time? <i>Vivek Reddy, USA</i>	1415- 1427	When to consider going Epicardially for Ablation <i>Kyoko Soejima, Japan</i>	
104	1042- High Power, Short Duration in Radiofrequency Ablation		1427- 1439	Rupture Innovations for Ventricular Tachycardia Ablations <b>Pierre Jais France</b>	

1054	1054- What is the future? Masateru Takigawa, Japan1054- 1106Lesion Formation Evaluation What are the Ablation Indicators? Ming-Long Chen, China1106- 1118Role of Electrogram Guided Atrial Fibrillation Ablation Hyoung-Seob Park, Korea		Pierre Jais, France
1054-			Epicardial Ablation of Atrial Fibrillation (AF) and Atrial Arrhythmias <i>Young-Hoon Kim, Korea</i>
			Managing the Epicardial Space <i>Yenn-Jiang Lin, Taiwan</i>
1118 1118-			Panel Discussion
1140	Panel Discussion	1525	Symposium 22: Fundamentals of Cardiovascular
	Abbott Lunch Symposium – Advanced Mapping & Ablation, ICD & Abbott CRT Technologies Chairperson: Shih-Ann Chen, Taiwan / Seiichiro Matsuo,	1600- 1710	Implantable Electronic Device (CIED) Troubleshooting - Case Based Tutorial Raymond Bauyaua, Philippines / Pham-Tran Linh, Vietnam / Dicky Hanafy, Indonesia
	Japan / Han Lim, Australia / Prash Sanders, Australia Advancements in AF Mapping and Ablation Technologies – Optimized Workflows. How to Provide Consistency and be Efficient in Afib Procedures with Omnipole Mapping and	1600- 1612	Pacemaker Troubleshooting <i>Michael-Joseph Agbayani, Philippines</i>
1200- 1300		1612- 1624	ICD/CRT Troubleshooting Arisara Suwanagool, Thailand
	HPSD Ablation Isabel Deisenhofer, Germany Advances in Detecting Life-Threatening Ventricular	1624- 1636	His-Bundle Pacing/ Left Bundle Branch Pacing Troubleshooting <i>Tae-Hoon Kim, Korea</i>
	Tachyarrhythmia <i>Dennis Lau, Australia</i>	1636-	Troubleshooting of Micra Atrioventricular (AV) during
	Various Aspects in Improving CRT Efficacy – Among Asian	1648 1648-	Follow-Up <i>Surinder Kaur, Malaysia</i>
	population, Implantation and Dynamic Optimization Nirai Varma, USA		Panel Discussion



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### **TRACK 3** Room 329 - Summit 2, Heart Rhythm Village, Level 3

Day 2, Saturday, 19 November 2022

		Medtronic Innovation Theatre 1 Progress of Conduction System	Medtronic	1415- 1525		r <mark>oke Prevention In Atria</mark> a / Chandara Mam, Cam	
		Pacing (CSP) – Where are we in 2022 Chairperson: Pugazhendhi Vijayaraman, USA Panelist: Kartikeya Bhargava, India / Dujdao Sahasthas, Thailand / Ho Li Ting, Taiwan / Paul Condes Quetua, Philippines	ao Sahasthas,	1415- 1427		AF) Stroke Risk Stratifica ore <i>Gregory Lip, UK</i>	ation: Beyond
			s Quetua,	1427- 1439	•	<sup>-</sup> On-Label Dosing of Nov OACs) <i>Hari Sugumar, A</i>	
	0900- 1000	Progress of CSP – Where are we in 2022 <i>Keng Tat Koh, Malaysia</i>		1439- 1451	0	Atrial Fibrillation (AF) du emic <i>Seil Oh, Korea</i>	uring
		CSP- Novel implantation techniques Shunmuga Sundaram Ponnusamy, India		1451- 1503		trategy Peri-Atrial Fibrill It Stroke <i>Tze-Fan Chao,</i>	
		Lumen vs Lumenless pacing lead <i>Swee Cheong Seow, Singapore</i>		1503- 1525	Panel Discussion		
		CSP in RBBB and mixed conduction disea Chanokphorn Lakananurak, Thailand	ase	1600-	Symposium 23: Atr - Managing Undes		
	1030- 1140	<b>Symposium 8: APHRS- HRS Joint Session</b> Hui-Nam Pak, Korea / Andrew Krahn, Can		1710	Eue-Keun Choi, Ko David Chieng, Aus	orea / Jae-Min Shim, kor tralia	ea/
	1030- 1042	Ablation for Brugada Syndrome: More that strategy? <i>Koonlawee Nademanee, USA</i>	an a rescue	1600- 1612	Intraprocedure Pe <i>Young-Hoon Kim, F</i>		
	1042- 1054	Genetic Testing and Update of Risk Stratif Brugada Syndrome <i>Wataru Shimizu, Jap</i>		1612- 1624	Periprocedural Str <i>Razali Omar, Mala</i>		
	1054- 1106	Polygenic Risk Scores in Brugada Syndro <i>Rafik Tadros, Canada</i>	me	1624- 1636	Atrio-Oesophaega Gerhard Hindricks	I Fistula and Literature F <i>Germany</i>	Review
	1106- 1118	Drugs in Brugada Syndrome - What work <i>Takeshi Aiba, Japan</i>	s?	1636- 1648		tion of Atrial Flutter Pos <sup>.</sup> ) <i>Andrea Natale, USA</i>	t-Pulmonary
	1118- 1140	Panel Discussion		1648- 1710	Panel Discussion		
		<b>J&amp;J Biosense Webster Lunch Symposium</b> <b>New Era in Atrial Fibrillation Ablation</b> Chairperson: Kyoko Soejima, Japan / Ming-Long Chen, China	Biosense Webster Part of the Johnson-Johnson Family of companies	1745-	Medtronic Evening An Individualized Reducing Unneces Chairperson: Ikuta	<b>ATP</b> Algorithm for	Mectronic
	1200- 1300	Role of High-Resolution Mapping During A Fibrillation <i>Hiroshi Nakagawa, USA</i>	Ablation for Atrial	1835		ATP Therapy <i>David Foo,</i> ation <i>Ju Youn Kim, Kore</i>	
		High power short duration ablation for AF <i>Yasuo Okumura, Japan</i>	(Workflow)			ation <i>Masahiko Goya, J</i>	
		Update on Pulse Field Ablation Andrea N	atale, USA				
	1300- 1410	<b>Symposium 13: Cardiac Dysautonomias</b> Nitish Badhwar, USA / Andrew Krahn, Car Devinder Singh, Singapore	nada /				
	1300- 1312	Diagnosis of Spectrum of Neurogenic Syr <i>Michele Brignole, Italy</i>	lcope				
/	1312- 1324	Postural Orthostatic Tachycardia Syndror Management <i>Lau Dennis H, Australia</i>	ne and its				
	1324- 1336	Pacing and Limitations in Neuro-Cardioge <i>Tae-Hoon Kim, Korea</i>	enic Syncope				
	1336- 1348	Role of Neuro-Ablation in Neuro-Cardioge Josef Kautzner, Czech Republic	enic Syncope				
	1348- 1410	Panel Discussion					
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### **TRACK 4** Nicoll 3, Heart Rhythm Village, Level 3

Day 2, Saturday, 19 November 2022

	Roche Innovation Theatre The novel ABC-AF score: Refine the stroke and bleeding risk stratification in Atrial Fibrillation Chairperson: David Sim, SingaporeRocheThe novel ABC-AF score: Refine the stroke and bleeding risk stratification in Atrial Fibrillation <i>Tze-Fan Chao, Taiwan</i> Image: Constrained stroke and stratification in Atrial Fibrillation Stroke and bleeding risk stratification in Atrial Fibrillation		<b>Symposium 14: General Pediatric</b> <b>Electrophysiology II</b> Sit-Yee Kwok, Hong Kong / Aya Miyazaki, Japan
0900- 0930			Implantable Cardioverter-Defibrillator (ICD) Implantation in the Pediatric Age Group. What are our Device Options in 2022? <i>Mitchell Cohen, USA</i>
			Sudden Cardiac Death (SCD) Prevention in Pediatric Heart Failure - Who and When? <i>Sabrina Tsao, Hong Kong</i>
	Boston Scientific Innovation Theatre Subcutaneous ICD Real World ExperienceBoston ScientificChairperson: Vern-Hsen Tan, SingaporeCharacterization of the PRAETORIAN score in Asian patients to evaluate implant position and predict defibrillation success Yuji Ishida, JapanComplications in the TVICD compared to the SICD – a secondary analysis of the PRAETORIAN trial Reinoud Knops, Netherlands		Sudden Cardiac Arrest (SCA) Prevention in Pediatric Channelopathies in 2022 <i>Andrew Davis, Australia</i>
			How Rapid Genetic Testing can Improve Outcome in Cardiac Arrhythmias? <i>Hiroko Asakai, Australia</i>
0930- 1000			Panel Discussion
			<b>Symposium 19: Electrophysiology Studies (EPS) and Ablation Therapy I</b> Mei-Hwan Wu, Taiwan / Hiroko Asakai, Australia / Mitchell Cohen, USA
	Cumposium O. Comerci Dedistrie Electrophysiclemy I		Cryoablation and Radiofrequency Ablation Which is

1030- 1140	<b>Symposium 9: General Pediatric Electrophysiology I</b> Sabrina Tsao, Hong Kong / Wei-Chieh Tseng, Taiwan / Ji-Eun Ban, Korea	1415- 1427	Cryoablation and Radiofrequency Ablation. Which is the better Ablation Method for the Pediatric Patient? <i>Ji-Eun Ban, Korea</i>
1030- 1042	and Pediatric Age Group. What is in wy tool box?		Overcoming Baffles and Access Challenges in Grown-Up Congenital Heart Disease (GUCH) Electrophysiology Procedures <i>Pi-Chang Lee, Taiwan</i>
1042-	<i>Mei-Hwan Wu, Taiwan</i> Antiarrhythmic Therapies in Pediatric Patient / Fetus	1439- 1451	Atrial Fibrillation (AF) Ablation in the GUCH population. Who and how? <i>Suguru Nishiuchi, Japan</i>
1042	And anny unific meraples in rediatific ratient / retus Aya Miyazaki, Japan		My Challenging Pediatric Electrophysiology (EP) Case <i>Supaluck Kanjanauthai, Thailand</i>
1054- 1106			Panel Discussion
1106- 1118			<b>Symposium 24: Electrophysiology (EPS) and</b> <b>Ablation Therapy II</b> Jae-Sun Uhm, Korea / Pi-Chang Lee, Taiwan /
1118- 1140	8- Panel Discussion		Ji-Eun Ban, Korea
1140	<b>Boston Scientific Lunch Symposium</b>	1600- 1612	Ablation of Tachyarrhythmias in Repaired Tetralogy of Fallot <i>Wee-Tiong Yeo, Singapore</i>
	Boston Scientific Lunch Symposium Advances in AF Ablation: BE Transportal Next Congration	1612- 1624	Ablation of Accessory Pathways in Ebstein Anomaly

1200-		RF Transseptal, Next Generation Cryoballoons, and Pulsed Field Ablation		1624	Mei-Hwan Wu	ı, Taiwan		
		<b>Cryopanoons, and Puise</b> Chairperson: Azlan Huss		1624- 1636		ntricular Tachyo ic Right Ventric	cardias in ular Cardiomyopathy	
	1300	RF-Based Transeptal A	tul Verma, Canada	1030	(ARVC) Jun Yo	oshimoto, Japar	7	
		Cryoablation Nick Jack		1636- 1648	· · ·	Pre-Excitation anauthai, Thaila		
		Pulsed Field Ablation Ji	im Hansen, Denmark	1648- 1710	Panel Discuss	ion		
		Hosted by	Organised by		Held in	Supported by	Managed by	
	A]	PHRS	Heart Rhythm Association Singapore		<b>Singapore</b> Passion Made Possible	SINGAPORE EXHIBITION & CONVENTION BUREAU	<b>The Meeting Lab</b> Across Continents. Beyond Conventions.	

### **TRACK 5** Nicoll 1, Heart Rhythm Village, Level 3

Day 2, Saturday, 19 November 2022

0900-1010	Young Investigator's Award
1030-1140	<b>Symposium 10: Pharmacotherapy for Arrhythmia</b> Seiichiro Matsuo, Japan / Xander Wehrens, USA / Chris Semsarian, Australia
1030-1042	Drug Therapy for Arrhythmia: SGLT2i. Are they Anti-Arrhythmics? Mechanism and Implications David Sim, Singapore
1042-1054	Drug Therapy for Arrhythmia: Beyond Amiodarone as Cardiology's Favourite Anti-Arrhythmic <i>Eric Chan, Singapore</i>
1054-1106	Drug Therapy for Arrhythmia: Patient Tailored Therapy for Long QT. How close are we? <i>Chrishan Ramachandra, Singapore</i>
1106-1118	Pharmacokinetics and Pharmacogenomics of Anti-Coagulants in Asians <i>Tze-Fan Chao, Taiwan</i>
1118-1140	Panel Discussion
1300-1410	<b>Symposium 15: Atrial Fibrillation 3</b> Tan Vern-Hsen, Singapore / Kok-Wei Koh, Malaysia / Yong-Seog Oh, Korea
1300-1312	Protagonist: 35 year old Male with Asymptomatic Persistent Atrial Fibrillation (AF) - We should try Rhythm Control <i>Yung-Kuo Lin, Taiwan</i>
1312-1324	Antagonist: 35 year old Male with Asymptomatic Persistent Atrial Fibrillation (AF) - We should just Accept Rate Control <i>Chantarat Thoranis, Thailand</i>
1324-1336	Protagonist: We have the data to support Left Atrial Appendage Occlusion being superior to NOAC Jeremy Chow, Singapore
1336-1348	Antagonist: We have the Data to Support Left Atrial Appendage Occlusion being Superior to Novel Oral Anticoagulants (NOACs) <i>Gregory Lip, UK</i>
1348-1410	Panel Discussion
1415-1525	<b>Symposium 20: Making the Best of Mapping Technologies</b> Cheng-Hung Li, Taiwan / Joerelle Mojica, Philippines / Jun Kim, Korea
1415-1427	Tools in Development - Mapping the Future <i>Hiroshi Nakagawa, USA</i>
1427-1439	Omnipolar Mapping Shih-Ann Chen, Taiwan
1439-1451	Non-Contact Mapping - Acutus <i>Atul Verma, Canada</i>
1451-1503	Near Field Discrimination of Local EGMs by Frequency Analysis Jose Luis Merino, Spain
1503-1525	Panel Discussion
<b>1600-1710</b>	<b>Symposium 25: Basic Science of Arrhythmia Mechanisms</b> Eric Chan, Singapore / Takeru Makiyama, Japan / Cheng-Hung Li, Taiwan
1600-1612	Ventricular Arrhythmia in Myocardial Infarction Models Rescued by Various Progenitor Transplant Cells: Observations and Implications <i>Lynn Yap, Singapore</i>
1612-1624	Purkinje Network in Human Ventricular Fibrillation <i>Akhiko Nogami, Japan</i>



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## TRACK 1

#### Day 3, Sunday, 20 November 2022

Late Breaking Clinical Trials 2

0900-1010	Chairpersons: Yenn-Jiang Lin, Taiwan / Han Lim, Australia Discussant: Pipin Kojodjojo, Singapore / Tze-Fan Chao, Taiwan
1030-1140	<b>Symposium 26: Cardiovascular Implantable Electronic Devices (CIED) and Heart Failure</b> Niraj Varma, USA / Lisa-Marie Beltejar, USA / Debabrata Bera, India
1030-1042	Is there still a Role for Implantable Cardioverter-Defibrillator (ICDs) in Non-Ischemic Cardiomyopathy (NICMP)? <i>Gareth Wynn, Australia</i>
1042-1054	Resynchronization Strategy in Heart Failure with Non-Left Bundle Branch Block (LBBB) <i>Shunmuga Sundaram Ponnusamy, India</i>
1054-1106	Back to Basics: Are we Abandoning Conventional Biventricular Pacing for Heart Failure? Vanita Arora, India
1106-1118	Remote Monitoring of Heart Failure Patients via Cardiovascular Implantable Electronic Devices (CIED)- Preventing Admissions <i>Andrew Krahn, Canada</i>
1118-1140	Panel Discussion
1300-1410	<b>Symposium 31: Managing Atrial Fibrillation- Lessons from Recent Trials</b> Chung-Lieh Hung, Taiwan / Colin Yeo, Singapore / Abdul Razakjr Omar, Singapore
1300-1312	Role of Early Rhythm Control Strategy in Recently Diagnosed Atrial Fibrillation Paul Lim, Singapore
1312-1324	Atrial Fibrillation in Heart failure with Reduced Ejection Fraction (HFrEF) Douglas Packer, USA
1324-1336	Atrial Fibrillation (AF) and Heart Failure: The Role of Cardiac MRI Sandeep Prabhu, Australia
1336-1348	Role of Pill in the Pocket Anticoagulation Ming-Shien Wen, Taiwan
1348-1410	Panel Discussion
1415-1525	Symposium 36: Dilemmas in Cardiovascular Implantable Electronic Device (CIED) Management and Follow-up David Foo, Singapore / Tarlochan Singh Kler, India / Sheng-Hsiung Chang, Taiwan
1415-1427	To Extract or Abandon Non-Infected Leads <i>Nigel Lever, New Zealand</i>
1427-1439	Extraction of Leadless Pacemakers, and Conduction System Pacing (CSP) Leads Vivek Reddy, USA
1439-1451	How to Approach Severe Tricuspid Regurgitation after Cardiovascular Implantable Electronic Device (CIED) Implantation <i>Tachapong Ngarmukos, Thailand</i>
1451-1503	How to Respond to a Cardiovascular Implantable Electronic Device (CIED) Advisory? <i>Giselle Gervacio, Philippines</i>
1503-1525	Panel Discussion
<b>1600-1710</b>	<b>Symposium 41: Atrial Fibrillation Ablation: 6- Strategies for Success</b> Hariharan Sugumar, Australia / Isabel Deisenhofer, Germany
1000 1010	Anatomical Ablation: Superior Vena Cava (SVC), Rheumatoid Arthritis (RA) and Posterior Wall Ablation

1600-1612	Peter Kistler, Australia
1612-1624	Anatomical Ablation: Coronary Sinus, Vein of Marshall Ablation and LAA Isolation Nitish Badhwar, USA
1624-1636	Low Voltage Myocardium Guided Ablation for Persistent Atrial Fibrillation Yan Huo, Singapore
1636-1648	Combined Endocardial And Epicardial Ablation for Atrial Fibrillation Ju-Youn Kim, Korea
1648-1710	Panel Discussion

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## TRACK2

#### Day 3, Sunday, 20 November 2022

Menarini and Daiichi Sankyo Innovation Theatre

MENARINI

**1300- Symposium 32: When a Cardiovascular Implantable Electronic Device (CIED) Gets Infected** 

0900- 0930	world evidence	1300- 1410	Gareth Wynn, Australia / Hung-Yu Chang, Taiwan / Boyoung Joung, Korea	
	Chairperson: Wee Siong Teo, Singapore Informing real world practice with real world evidence <i>Yoo-Ri Kim, Korea</i>	1300- 1312	Best Practices for Prevention of Cardiovascular Implantable Electronic Device (CIED) Infections <i>Morio Shoda, Japan</i>	
0930-	Medtronic Innovation Theatre 2 Accuracy Matters: See what Artificial Intelligence can do	1312- 1324	Bacteremia in the Presence of a Cardiovascular Implantable Electronic Device (CIED): When to Extract <i>Nigel Lever, New Zealand</i>	
1000	Chairperson: Julie Brewer, Medtronic Accuracy Matters: See what Artificial Intelligence can do Dhanunjaya <i>Lakkireddy, USA</i>		Cardiovascular Implantable Electronic Device (CIED) Infections- What to do when Extraction is Not an Option? <i>Niraj Varma, United Kingdom</i>	
1030- 1140	Symposium 27: Device Programming and Follow up in 2022 Jin-Bae Kim, Korea / Balbir Singh, India	1336- 1348	The Dilemma of Reimplantation Post Cardiovascular Implantable Electronic Device (CIED) Infection: Timing and Device Considerations <i>Tarlochan Singh Kler, India</i>	
1030-	Supported by Educational Grant from Abbott Laboratories Reducing Implantable Cardioverter-Defibrillators (ICD)	1348- 1410	Panel Discussion	
1042	shocks: Detection and Antitachycardia pacing (ATP) Programming <i>Takashi Kurita, Japan</i>	1415- 1525	Symposium 37: Ventricular Tachycardia Management in Special Populations	
1042-	Management of Interference due to Medical Procedures in Cardiovascular Implantable Electronic Device (CIED)		Daljeet Kaur Saggu, India / Morio Shoda, Japan	
1054	Detionte Cirin Aniverente Theiland	1/15-	Brugada Syndromo	

	PatientsSirin Apiyasawat, Inaliand1054- 1106Getting the most out of Cardiac Resynchronization Therapy (CRT): Advanced Programming Strategies in an Initial Non- Responder Christophe Leclercq, France1106- 1118Cardiac Resynchronization Therapy (CRT) Programming in Conduction System Pacing (CSP) Parikshit Sharma, USA1118-Panel Discussion		Brugada Syndrome <i>Koonlawee Nadamanee, USA</i>	
1054- 1106			Ventricular Tachycardia (VT) in Sarcoidosis <i>Calambur Narasimhan, India</i>	
1106- 1118			Ventricular Tachycardia (VT) in Myocarditi <i>Kuan-Cheng Chang, Taiwan</i>	
1118- 1140			Ventricular Tachycardia in Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC) <i>Fa-Po Chung, Taiwan</i>	
<section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header>	Menarini and Daiichi Sankyo Lunch Symposium	1503- 1525	Panel Discussion	
	Role of the latest NOAC, Edoxaban, in AF management in the Asian patients? Chairperson: Kok-Wei Koh, Malaysia	1600- 1710	<b>Symposium 42: Managing Cardiovascular Implantable Electronic Device (CIED) Alerts</b> Clara Tolentino, Philippines / Christophe Leclercq, France	
	Edoxaban and real world evidence, what is new <i>Jan Steffel, Switzerland</i>		Barriers to Cardiovascular Implantable Electronic Device (CIED) Remote Monitoring in the Asia Pacific	
	New horizons in managing AF in the Asian patient Jong-II Choi, Korea		Toshiaki Sato, Japan	
			Cardiovascular Implantable Electronic Device (CIED) De- tected Atrial Fibrillation (AF) <i>Gerhard Hindricks, Germany</i>	

 1624-1636
 Top 10 Actionable Findings on a Cardiovascular Implantable Electronic Device (CIED) Remote Monitor Anil Saxena, India

 1636-1648
 Collective Intelligence (CI) versus Artificial Intelligence (AI) in Arrhythmia Detection Yoo-Ri Kim, Korea

 1648-1710
 Panel Discussion

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## TRACES

#### Day 3, Sunday, 20 November 2022

**Pfizer Innovation Theatre** 

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0900-0930	Optimizing AF Management Across the Risk Spectrum: Latest Congress Highlights       Sector         & Updates from ESC       Chairperson: Paul Lim, Singapore
	Optimizing AF Management Across the Risk Spectrum: Latest Congress Highlights & Updates from ESC <i>Gregory Lip, United Kingdom</i>
0930-1000	Bayer Innovation TheatreEmerging Evidence: Protecting the AF Patient with Diabetes from Stroke, Renal Decline,Bleeding and Other Adverse EventsChairperson: John Camm, United Kingdom
	Emerging Evidence: Protecting the AF Patient with Diabetes from Stroke, Renal Decline, Bleeding and Other Adverse Events <i>John Camm, United Kingdom</i>
1030-1140	<b>Symposium 28: Atrial Fibrillation 5 - Reducing the Impact of Disease</b> Putra Antara, Indonesia / Melissa Middledorp, Australia / Wanwarang Wongcharoen, Thailand
1030-1042	Managing Novel Oral Anticoagulants (NOACs) Patients who are Bleeding or Require Urgent Surgery, Special Populations <i>Han Lim, Australia</i>
1042-1054	Lifestyle Modification in Management of Atrial Fibrillation (AF) Prashanthan Sanders, Australia
1054-1106	Sleep Disordered Breathing and Atrial Fibrillation Chi-Hang, Ronald Lee Singapore
1106-1118	Atrial Fibrillation (AF) and Heart Failure with Preserved Ejection Fraction <i>Liang-Han Ling, Australia</i>

1118-1140	Panel Discussion	
	Symposium 33: Ventricular Tachycardia 2 - Structural Ventricular Tachycardia (VT) Ablation Fa-Po Chung, Taiwan / Soot-Keng Ma, Malaysia / Pak Hui-Nam, Korea	
1300-1312	Ablation of Ventricular Fibrillation Storms Meleze Hocini, France	
1312-1324	Catheter Ablation in Arrhythmic Cardiac Diseases: Endocardial and Epicardial Ablation Li-Wei Lo, Taiwan	
1324-1336	Novel Tools for Ventricular Tachycardia Ablation: Non-Invasive Radio-Ablation Josef Kautzner, Czech Republic	
1336-1348	When Ventricular Tachycardia Ablation Fails? Jose Luis Merino, Spain	
1348-1410	Panel Discussion	
1415-1525	<b>Symposium 38: Inherited Arrhythmic Syndromes</b> Kelvin Wong, Singapore / Ajit Kumar Valaparambil, India / Jong-il Choi, Korea	
1415-1427	How to Start Up an Inherited Cardiac Arrhythmias Service Andreas Pflaumer, Australia	
1427-1439	Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT)- Treatment Strategies and When to Consider Denervation Surgery? <i>Yoga Yuniadi, Indonesia</i>	
1439-1451	Challenging Cases of Inherited Arrhythmia Syndrome Jae-Min Shim, Korea	
1451-1503	Arrhythmic Mitral Valve Prolapse and Mitral Annular Disjunction Complex Han Lim, Australia	
1503-1525	Panel Discussion	
1600-1710	<b>Symposium 43: Ventricular Tachycardia 3 - Idiopathic Ventricular Tachycardia</b> Young-Keun On, Korea / Hung-Yu Chang, Taiwan / Tan Vern-Hsen, Singapore	
1600-1612	Anatomy: Aortic Root and Left Ventricular Summit- Papillary Muscle and Mitral Isthmus <i>Kalyanam Shivkumar, USA</i>	
1612-1624	Approach to Left Ventricle (LV) Summit Ablation: When to suspect and how to do? <i>Piotr Futyma, Poland</i>	
1624-1636	Approach to ablation of VT/VE from Papillary Muscles: ECG features and ablation tools <i>Pak Hui-Nam, Korea</i>	
1636-1648	Approach to Mitral Annular Ventricular Tachycardia (VT) <i>Yasuo Okumura, Japan</i>	
1648-1710	Panel Discussion	
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APHRS	Heart Rhythm Association Singapore	

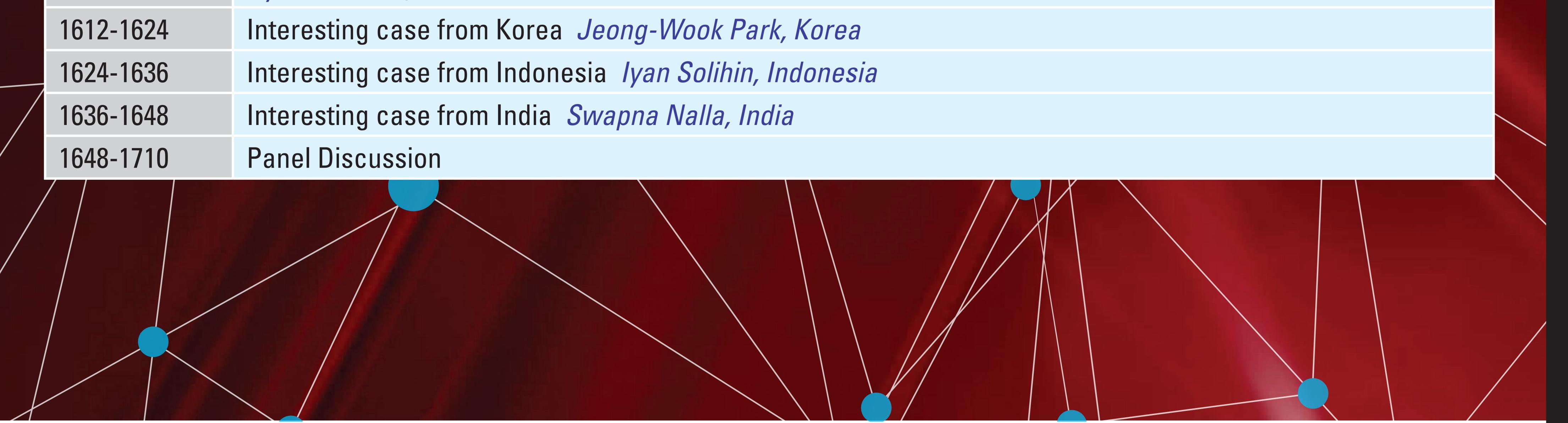
## TRACK 4

#### Day 3, Sunday, 20 November 2022

Women-in-EPs Session: Supported by Educational Grant from Abbott Laboratories

	Chairperson: Eun-Sun Jin, Korea
	PVC Localization with Artificial Intelligence (15 Mins) Yoo-Ri Kim, Korea
0900-1010	Leadless Pacemaker - Technological Innovation in Pacing for Future (15 Mins) Vanita Arora, India
	Cardiac arrhythmias during pregnancy (15 Mins) <i>Myung-Jin Cha, Korea</i>
	Get together and learn from each other in Women-in-EP of APHRS (15 Mins) <i>Eun-Sun Jin, Korea</i>
	Panel Discussion (10 Mins) <i>Ju-Youn Kim, Korea / Karin Chia, Australia / Elain Boey, Singapore</i>
1030-1140	<b>Symposium 29: Allied Health 1 - Electrophysiology I</b> Shufen Liang, Singapore / Hyun-Soo Lee, Korea / Natcha Soontornmanokati, Thailand
1030-1042	Electrophysiology studies (EPS): Past to Present <i>Seongwook Han, Korea</i>
1042-1054	Pacing Maneuvers Made Simple Chayapat Sriprom, Thailand
1054-1106	Anatomical and Electrophysiological Characteristics of Mahaim/ Decrementing Pathways Ming-Shien Wen, Taiwan
1106-1118	Junctional Tachycardia versus Atrioventricular Nodal Reentry Tachycardia (AVNRT) <i>Mitchell Cowan, Australia</i>
1118-1140	Panel Discussion
1200-1300	HRAS GP Forum
	Symposium 24, Allied Health 2 Cardias Daviasa I

1300-1410	Symposium 34: Allied Health 2 - Cardiac Devices I Jie-Ying Lee, Singapore / Amit Malik, India / Yoo Chunja, Korea
1300-1312	Left Bundle Pacing (LBP) / HIS Bundle Device check - Tips and Tricks <i>Dana Goldense, USA</i>
1312-1324	Remote Monitoring Natasha Saad, Australia
1324-1336	Detection of Sleep Apnea and Atrial Fibrillation through Cardiac Devices Asuka Minami - Takano, Japan
1336-1348	Possible Reasons for Noise on Leads and Management <i>Shufen Liang, Singapore</i>
1348-1410	Panel Discussion
1415-1525	<b>Symposium 39: Allied Health 3 - Cardiac Devices II</b> Natasha Saad, Australia / Hui-Min Chong, Singapore / Jemelee Hernande Albano, Philippines
1415-1430	Programming for Magnetic Resonance Imaging (MRI) <i>Su-Yi Ho, Singapore</i>
1430-1445	Interesting case from Thailand Natcha Soontornmanokati, Thailand
1445-1500	Interesting case from Singapore Teo Jie Ting Lisa Singapore
1500-1525	Panel Discussion
<b>1600-1710</b>	<b>Symposium 44: Allied Health 4 - Electrophysiology II</b> Dana Goldense, USA / Koh Yi-Lain, Taiwan / Chang-Hee Lee, Korea
1600-1612	12 Lead Electrocardiogram (ECG) to Predict the Site of Origin of Idiopathic Ventricular Arrhythmias <i>Hyun-Soo Lee, Korea</i>



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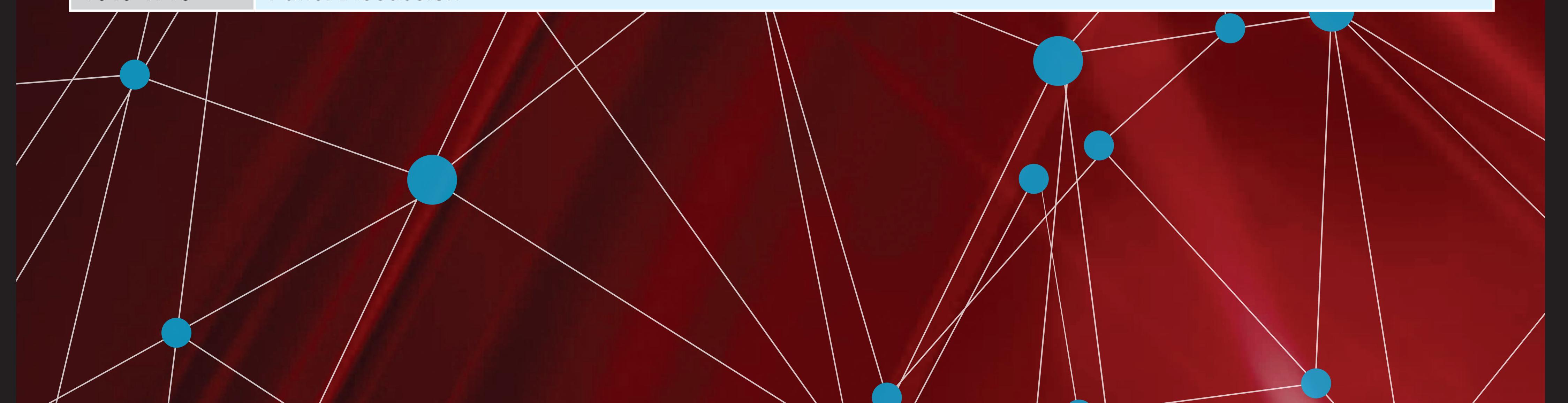
## $\mathbf{RACK5}$

#### Day 3, Sunday, 20 November 2022

Young Investigator's Award 2 0900-1010



0900-1010	Young investigator's Award Z
1030-1140	<b>Symposium 30: APHRS-LAHRS Joint Session</b> Gary Lee, Malaysia / Ulises Rojel, Mexico
1030-1045	How to Deal with Difficult Cardiac Resynchronization Therapy (CRT) Cases through the Coronary Sinus? <i>Nestor Lopez-Cabanillas, Argentina</i>
1045-1100	Left Bundle Pacing for Cardiac Resynchronization Therapy (CRT) using Leads with Fixed and Extendable- Retractable Screws, AP Experience <i>Eugene Tan, Singapore</i>
1100-1115	HIS Pacing for Cardiac Resynchronization Therapy (CRT): State of the Art Ulises Rojel, Mexico
1115-1140	Panel Discussion
1300-1410	<b>Symposium 35: Sports and Sudden Cardiac Death</b> Reynold Agustinus, Indonesia / Jin-Bae Kim, Korea / Jae-Min Shim, Korea
1300-1312	Screening for Sudden Cardiac Death (SCD) in Sportsmen <i>Tee-Joo Yeo, Singapore</i>
1312-1324	Sports Participation in Inherited Arrhythmias Martin Stiles, New Zealand
1324-1336	Sports Participation in Inherited Cardiomyopathy Elijah Behr, United Kingdom
1336-1348	Management of Implanted Defibrillators in Athletes Reynold Agustinus, Indonesia
1348-1410	Panel Discussion
1415-1525	Symposium 40: Pulsed Field Ablation         Meleze Hocini, France / Wee-Siong Teo, Singapore / Li-Wei Lo, Taiwan         Supported by Educational Grant from Boston Scientific
1415-1427	Biophysics of Pulsed Field Ablation (PFA) <i>Pierre Jais, France</i>
1427-1439	Early Clinical Trial Data of Pulsed Field Ablation (PFA) for Atrial Fibrillation (AF) Ablation: What does it show? <i>Atul Verma, Canada</i>
1439-1451	How to perform Pulsed-Field Ablation (PFA) for Atrial Fibrillation (AF) Mehrdad Emami, Australia
1451-1503	Pulsed Field Ablation (PFA), Singapore Experience Eric Lim, Singapore
1503-1525	Panel Discussion
<b>1600-1710</b>	<b>Symposium 45: Genetic Testing for Cardiac Disease</b> Seiko Ohno, Japan / Priya Chockalingam, India / Roger Foo, Singapore
1600-1612	Overview of Expert Consensus Statement on the State of Genetic Testing for Cardiac Disease Mitchell Cohen, USA
1612-1624	Interpreting the Genetic Report for the Electrophysiologist: What is actionable and what is not? <i>Elijah Behr, United Kingdom</i>
1624-1636	Case 1: Long QT Syndrome (LQTS) <i>Kenshi Hayashi, Japan</i>
1636-1648	Case 2: Dilated Cardiomyopathy (DCM) with Conduction Block Priya Chockalingam, India
1648-1710	Panel Discussion



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