APHRS 2019 Schedule

SCHEDULE at a glance

24 October 2019 (Thursday)

Time	Convention Centre	Ballroom B	Ballroom A	Ballroom C
08:00-09:30		**How to read, write, review, and enjoy a research paper: an editor perspective (APHRS/EHRA/HRS)** Mods/Panels: Knight, Bradley)(United States) Phrommintikul, Arintaya (Thailand) Turakhia, Mintu)(United States) 1: How to be a good writer. Sutton, Richard (United Kingdom) 2: What editors do and don't like to see in papers. Wang, Paul J)(United States) 3: How to review and be a reviewer. Matsumoto, Kazuo (Japan) 4: How to choose which journals and medical websites to subscribe and follow. Chen, Shih-An (Taiwan) 5: Vetting questionable manuscripts and medical misinformation. (Chen, Peng))(United States) 6: Panel Discussion ()	**Update on stroke prevention in AF** Mods/Panels: Van Gelder, Isabelle(Netherlands) Suwanwela, Nijasri(Thailand) 1: Single stroke risk factor: what to do (Tse, Hung-Fat)(Hong Kong) 2: Non-valvular AF: a misleading term (Ezekowitz, Michael D.))(United States) 3: OACs in valvular heart diseases (Kim, Sung-Hwan)(South Korea) 4: The current roles for LAA occluder (Chu, Antony))(United States) 5: When and how to screen for AF after ESUS (Kojodjojo, Pipin)(Singapore) 6: Does AF ablation lower the stroke risk? (Bunch, Jared) (United States)	**Anatomy/Imaging for Electrophysiologist** Mods/Panels: Park, Junbeom(South Korea) Morita, Norishige (Japan) Yoshiga, Yasuhiro (Japan) 1: Cardiac imaging for electrophysiologist: the basic (Kimura, Ry)(United States) (United Kingdom)e)(Japan) 2: Imaging study for LAA occl)(United States)ion procedure (Phillips, Karen)(Australia) 3: PET, CT, and MRI for atrial fibrillation (Kiuchi, Kunihiko)(Japan) 4: Spatial distribution of LGE of LA in patients with AF (Higuchi, Koji)(United States) 5: Imaging of the right ventricle: can you tell the differences between normal, ARVD, and Brugada syndrome? (Krittayaphong, Rungroj)(Thailand) 6: Imaging study for VT ablation (Sasaki, Takeshi)(Japan)
Break	**(Exhibition Hall) Coffee break, poster viewing and visit exhibition**			
10:00-11:00	**Opening Ceremony** 10.30 – 10.35 Greeting by MC 10.35 – 10.40 Opening Show 10.40 – 10.55 Speeches by 1. Dr. Chu-Pak Lau, President of the APHRS 2. Dr. Khanchit Likittanasombat, President of the Heart Association of Thailand	**Best AF ablation strategy for:** Mods/Panels: Packer, Douglas L.)(United States) Huang, Shoei K. Stephen)(United States) 1: Paroxysmal (Kalman, Jonathan)(Australia) 2: Persistent (Tondo, Claudio) (Italy) 3: Redo (Chen, Shih-An) (Taiwan) 4: Panels Discussion	**Syncope 2019: What's new and notable?** Mods/Panels: Kohno, Ritsuko (Japan) Sunsaneewitayakul, Buncha (Thailand) 1: Emerging concepts in diagnosis and treatment of syncope by pacing (Sutton, Richard) (United Kingdom) 2: Update on Postural Tachycardia Syndrome (Lau, Dennis) (Australia) 3: Selective Modulation of the Cardiac Autonomic Nervous System for treatment of syncope (Shen, Win-Kuang)(United States)	**CIED complications and troubleshooting (I/II)** Mods/Panels: Hai, Jo Jo (Hong Kong), Lee, Young Soo (South Korea), Liao, Jo-Nan (Taiwan) 1: Peripheral venoplasty for lead related stenosis (Wynn, Gareth) (Australia) 2: CIED induced tricuspid regurgitation: how to prevent, diagnose, and manage (Yiu, Kai-Hang) (Hong Kong) 3: Arrhythmia management after CIED removals for infection (Methachittiphan, Nilubon) (Thailand) 4: How to Prevent, Predict, and Manage Pacing-induced Cardiomyopathy (Mittal, Suneet)(United States)
11:00-12:00	**Keynotes Topic: SCD BS VT** Mods/Panels: Hiraoka, Masayasu (Japan) Kalman, Jonathan (Australia) 1: Sudden Unexplained Death Syndrome: The Odyssey of the RV Epicardium (Nademanee, Koonlawee)(United States) 2: Evolution of Ablation: From DC shocks to particle therapy (Packer, Douglas L.)(United States)	**Extracting the latest guidelines** Mods/Panels: Wei, Hua(China) Chelu, Mihail)(United States) Naik, Ajay (India) 1: AF and Renal Function (Ezekowitz, Michael D.)(United States) 2: AF Ablation (Calkins, Hugh)(United States) 3: LAAO (Glikson, Michael) (Israel) 4: Regional Differences (Saxena, Anil)(India)	**Medical management for AF** Mods/Panels: Maruyama, Toru (Japan) Hartono, Beny (Indonesia) Nwe, Nwe (Myanmar) 1: Rhythm control therapy for AF management (Ikeda, Takanori) (Japan) 2: Rate control (Van Gelder, Isabelle)(Netherlands) 3: Drug development for atrial fibrillation (Jalife, Jose) (United States)	**CIED complications and troubleshooting (II/II)** Mods/Panels: Chu, Antony (United States) Dwivedi, S K (India) Park, Seung-Jung (South Korea) 1: Complications of CIED implantation, insights from large scale data (Ganesan, Anand) (Australia) 2: Pneumothorax and pneumopericardium: diagnosis, treatment, and how to avoid (Li, Jian Ming) (United States) 3: How to avoid cardiac perforation (Boddington, Dean)(New Zealand) 4: Panel Discussion ()
12:00-13:30 (Lunch Symposium)		**Medtronic His-Purkinje Pacing from Evidence to Implant Experience** Mods/Panels: 1. Prof. Dejia Huang(China) - Chair 2. Dr. Pugazhendhi Vijayaraman (USA) - Chair 3.Prof. Hung-Fat Tse (Hong Kong) - Panel 4. Dr. Katsuhito Fujiu (Japan) - Panel 12:00-12:05, Opening and faculty introduction, Prof. Dejia Huang 12:05-12:25, Patient selection and pacing site strategies for HPP, Dr Uwais Mohamed (Australia) 12:25–12:45, HBP improvement: Deeper and distal pacing, Dr. Weijian Huang(China) 12:45–13:05, Pacing beyond His-bundle: Trans-septal pacing skills and feasibility, Dr. Keping Chen(China) 13:05–13:25, Panel Discussion and Q&A 13:25-13:30, Closing remarks, Dr. Pugazhendhi Vijayaraman (USA)	**Pfizer (Thailand) Limited Balance of safety and efficacy across the continuum of NVAF patient** Mods/Panels: Moderator: ASSOC.PROF. SIRIN APIYASAWAT (Thailand) Speaker: PROF.JAN STEFFEL (Switzerland) Balance of safety and efficacy across the continuum of NVAF patient	**Abbott Medical Elevate CRT Response to Next Level** Mods/Panels: Prof. Chi Keong Ching (Singapore), Dr. Raymond Sy (Australia), Dr. Werapan Wiwatworapan (Thailand) 12:10 12:35 Dynamic CRT- SyncAV to enhance patient outcome and reduce AF Dr. Niraj Varma)(United States) 12:35 13:00 Approaches to Adopt Modern Electrical Optimization as a Standard of Practice Dr. Calambur Narasimhan(India) 13:00 13:25 Management of Heart Failure TBC 13:25 13:30 Q&A Discussion All
13:30-14:30		**LQTs** - Mods/Panels: Semsarian, Chris (Australia) 1: Long QT Syndrome: Toward Precision Medicine (Schwartz, Peter)(Italy) 2: Genetic variation and drug-induced QT prolongation (Roden, Dan)(United States) 3: Panel Discussions ()	**Medtronic Unknown Electrogram Tracings** Mods/Panels: Dr. Eric Prystowsky (United States) Dr. Eric Prystowsky will discuss complex arrhythmia cases with Prof Jonathan Kalman (Australia) and Dr. Haris Haqqani (Australia)	**Knowledge Gaps in Arrhythmia Management: What don't we know and what should we know?** Mods/Panels: Wei, Hua(China) Knight, Bradley (United States) 1: AF: Risk Stratification and Stroke Prevention (Steffel, Jan) (Switzerland) 2: AF: Catheter Ablation and Device Therapy (Gold, Michael R.)(United States) 3: Ventricular Arrhythmias and SCD (Teo, Wee Siong(Singapore) 4: Panel Discussion ()
Break	**(Exhibition Hall) Coffee break, poster viewing and visit exhibition**			

Time	Lotus 13	Lotus 14	Lotus 15	Lotus 1-2
08:00-09:30	**Pediatric Ablations** Mods/Panels: Kriebel, Thomas(Germany) Sumitomo, Naokata(Japan) Lee, Pi-Chang(Taiwan) 1: Differences in Pediatric and Adult Ablation guidelines (15 mins) (Berul, Charles I.)(United States) 2: Long term outcome of PVC in Korean children: When to ablate? (15 mins) (Huh, June) (South Korea) 3: How to avoid AV block in Peds Ablation (15 mins) (Lee, Pi-Chang) (Taiwan) 4: 4. Ablation of focal AT in Children (15 mins) (Pflaumer, Andreas) (Australia) 5: Ablation of outflow tract VT (15 mins) (Cohen, Mitchell) (United States) 6: Catheter ablation in infants (15 mins) (Sumitomo, Naokata) (Japan)	**YIA 6 abs Syncope and SCDs, CIEDs** Mods/Panels: Hanafy, Dickky(Indonesia) Hiraoka, Masayasu(Japan) Muhammad, Zulkeflee(Malaysia) Oto, Ali(Turkey) 08.00-08.15 Heterogeneity of electrocardiogram features in sudden cardiac death (SCD) patients along 24 hours Chen,Yangxin (China) 08.15-08.30 Management of high-risk congenital long QT syndrome with atrioventricular block in fetal and neonatal life Lin,Lisheng (Japan) 08.45-09.00 Diabetes attenuates response to cardiac resynchronization therapy and worsens prognosis in heart failure: results from the Prospective Evaluation of Asian with CRT for Heart Failure study Tan,Eugene (Singapore)		**Differentiating Tachycardia mechanisms in the EP lab by EP maneuvers** Mods/Panels: Kaneko, Yoshiaki(Japan) Bhargava, Kartikeya(India) Iqbal, Mohammad (Indonesia) 1: AVNRT (Yoo, Chun-ja) (South Korea) 2: AVRT (Nagashima, Koichi) (Japan) 3: AT (Chandrasekaran, K.)(India) 4: Junctional tachycardia (Roshan, John)(India) 5: SVT vs VT (Chin, Ashley) (South Africa) 6: Quiz (Amir, Muzakkir) (Indonesia)
Break				
10:00-11:00	**Abbott Medical Right Treatment for Right Patient inHeart Failure** Mods/Panels: Dr. Peter Paul Delnoy (Netherlands), Dr. Paul Gould (Australia) 10:00 10:20 Case Reviews - Early Intervention by CRT is Key to Heart Failure Patient Dr. Katherine FAN (Hong Kong) 10:20 10:40 Case Reviews – Managing AF in Heart Failure Dr. Fa Po CHUNG (Taiwan) 10:40 11:00 Case Reviews - Giving hopes to Advanced Heart Failure Patients with LVAD Dr. Choon Pin Lim (Singapore)	**YIA 4 abs (Basic Science)** Mods/Panels: Okawa, Keisuke (Japan), Huang, Dejia (China) Aleong, Ryan)(United States) 10.00-10.15 Concordant Increase of Post-pacing Action Potential Duration and Contractility Predicts Occurrence of Ventricular Arrhythmia in Brugada Syndrome Model Liu,Chih-Min (Taiwan) 10.15-10.30 Renewal theory provides a universal quantitative framework to characterise the continuous regeneration of phase singularities in cardiac fibrillation and accurately predicts spontaneous AF termination Dharmaprani,Dhani (Australia) 10.30-10.45 An optimal approach for optogenetic to control function of cardiac and neural cell in vitro and in vivo SUNG, Yen Ling (Taiwan) 10.45-11.00 Weight fluctuation induces atrial substrate by fibro-fatty depositions, myolysis, and residual electro-structural remodelling in an ovine		**Accessory Pathway Revisited** Mods/Panels: Ko, Cyril Yiu-Kwan (Hong Kong) Kler, T.S. (India) 1: Mapping and ablating an oblique pathway (Jang, Sungwon) (South Korea) 2: Role of unipolar recording (Gupta, Anoop)(India) 3: Anatomical and Electrophysiological Characteristic of septal pathway (Ma, Soot Keng)(Malaysia) 4: Atypical location and atypical physiology of accessory pathway (Seow, Swee Chong(Singapore) 5: Multiple pathways: how to recognize, map, and ablate (Le, Vo Kien) (Vietnam)
11:00-12:00	**Abbott Medical Chinese Young EP Insights** Mods/Panels: Dr. Heng Cai(China), Dr. Liwei Lo (Taiwan) 11:00 -11:20 Experience Sharing: High Efficiency & Quantitative Ablation in AF Dr.Jian Xu(China) 11:20-11:40 High Efficiency Approach Guided by LSI in AF Dr.Jing Wang(China) 11:40-12:00 New Ablation Approach in AF Dr.Jiangbo Duan(China)	**YIA 4 abs (CIEDs)** Mods/Panels: Lin, Yung-Kuo (Taiwan) Sethi, Kamal Kumar(India) Daubert, James P(United States) 11.00-11.15 Predictors of non-response to cardiac resynchronization therapy implantation in patients with class I indications Liu, Xi (China) 11.15-11.30 Comparison between His-bundle Pacing Guided by Ensite NavX System and Conventional Fluoroscopy. Hu,Yiran(China) 11.30-11.45 A New Road to CRT: Patent Vein of Marshall for Left Ventricular Lead Implantation Hadadi,Cyrus (United State) 11.45-12.00 Retrieval of Chronically Implanted Nanostim Leadless Pacemaker Single Center Experience Minami,Kentaro (Czech Republic)		**Focal Atrial Tachycardia: How to approach** Mods/Panels: Hung, Yuan (Taiwan) Pham, Tran Linh (Vietnam) 1: Localize the focus of AT from ECG. (Chandrasekaran, K.)(India) 2: Electrophysiological characteristics of focal AT (Kistler, Peter) (Australia) 3: Atrial Tachycardias after AF Ablation: how to approach (Chugh, Aman)(United States) 4: Marshall bundle reentry: how to approach (Maruyama, Mitsunori) (Japan) 5: Potential complications from AT ablation (Yoshitani, Kazuyasu) (Japan)
12:00-13:30 (Lunch Symposium)	**Abbott Medical APAC Chinese CRT Complex Case Panel Discussions & Luncheon** Mods/Panels: Prof. Weijian Huang(China) Dr. Chun Chieh Wang (Taiwan) Speaker 1 Dr.Xuewen Qi 2 Dr.Hong kai Huang			
13:30-14:30	**Accessory pathway in Children** Mods/Panels: Zimmerman, Frank)(United States) Bae, Eun-Jung//(South Korea) Prabhu, Atul(India) 1: WPW ablation in Children with CHD (15 mins) (Ernst, Sabine) (United Kingdom) 2: ParaHISIAN Pathway ablations (15 mins) (Hebe, Joachim)(Germany) 3: LV dyssynchrony in WPW (15 mins) (Uhm, Jae-Sun) (South Korea) 4: Accessory pathway variants : How to recognize and ablate (15 mins) (Walsh, Edward P)(United States)	**4 Abstract (General EP)** Mods/Panels: Kim, Tae-hoon (South Korea) vhizuta, Satoshi 13.30-13.45 Association of Deep Terminal Negativity of P Wave in V1 with Severity of Rheumatic Mitral Stenosis and Risk of Mortality hidayati,fera (Indonesia) 13.45-14.00 Arrhythmia Detection Using Photoplethysmogram Signal ; Can It Replace ECG signal ? Rizal,Ardian (Indonesia) 14.00-14.15 The comparison of characteristics of intraseptal pacing with and without left bundle branch capture confirmed by direct recruited proximal or distal conduction system Huang,Weijian (China) 14.15-14.30 Quality of life and care giver burden in SND patients treated with guideline indicated pacemaker therapy in South Asia: Results from the IMPROVE Brady study Sethi, Rishi (India)	**4 Abstract (General EP)** Mods/Panels: Chen, Lin Yee, Cheng, Chen-Chuan 13.30-13.45 Correlation of QRS Amplitude with Left Ventricle Geometry and Body Size in Non-ischemic Cardiomyopathy with Left Bundle Branch Block Ono,Maki (United States) 13.45-14.00 Analysis of myocardial scar characteristics by cardiac MRI and its correlation with arrhythmic events on follow-up in ischemic cardiomyopathy (ICMP) patients implanted with Automatic implantable cardioverter defibrillator (AICD) Kevadiya,Hiren (India) 14.00-14.15 A technique for septal placement of right ventricular leads in patients with complex congenital heart disease using angiographic technique GHADEI,MILAN (India) 14.15-14.30 Automated localization of accessory pathway by deep neural network interpretation of surface electrocardiography	**How to prevent complications from SVT ablation** Mods/Panels: Aye, Thet Lel Swe (Myanmar) Cao, Kejiang(China) Nair, Krishna Kumar M (India) 1: How to avoid AV block during AVNRT or septal pathway ablation (Yansen, Ignatius) (Indonesia) 2: How to reduce radiation in SVT ablation (Choi, Man-Chun) (Hong Kong) 3: How to minimize complications in a patient with prosthetic valve. (Pandurangi, Ulhas M.)(India) 4: Tools and Technology that may help to reduce complications. (Muhammad, Zulkeflee)(Malaysia)
Break				

Time	Lotus 3-4	Lotus 5-6	Lotus 7	Lotus 9
08:00-09:30	**Anatomy and Substrate mapping of Ventricular Tachycardia** Mods/Panels: Harada, Tomoo (Japan) Prakash, Vadagenalli S.(India) Song, In Geol (South Korea) 1: Ventricular Anatomy for Catheter Ablation of Ventricular Arrhythmias (Asirvatham, Samuel)(United States) 2: Anatomical consideration in catheter ablation of idiopathic ventricular arrhythmia (Yamada, Takumi) (Japan) 3: Anatomical and functional characteristics of arrhythmogenic scars. (Coronel, Ruben) (Netherlands) 4: Anatomical CT-guided to identify VT-channel ablation (Deneke, Thomas)(Germany) 5: Substrate mapping for VT: challenges and necessary developments (Takigawa, Masateru) (France) 6: Panels Discussion ()	**Seth Worley: How to have fun implanting an LV lead** Mods/Panels: Worley, Seth J.)(United States)	**Managing CIEDs outside EP lab** Mods/Panels: Pham, Truong Son (Vietnam) Adachi, Kazumasa (Japan) 1: Undergoing MRI (Song, Susan L.))(United States) 2: Undergoing Surgery (Yaduvanshi, Amitabh)(India) 3: Undergoing Radiation (Oh, Il Young) (South Korea) 4: Deactivating (Shen, Win-Kuang)(United States) 5: Shock or Alarm (Kataria, Vikas)(India) 6: Driving and exercise recommendation (Agustinus, Reynold) (Indonesia)	**His-Purkinje System Pacing (Chinese Program; supported by CSPE and CSA)** Mods/Panels: Lee, Ying-Hsiang (Taiwan) Xiang, Meixiang(China) Liu, Yen-Bin (Taiwan) 1: His-Purkinje System: anatomy and electrophysiological characteristics (Su, Lan)(China) 2: His-bundle Pacing: diagnostic criterion and electrocardiogram characteristics (Chan, Joseph Yat Sun) (Hong Kong) 3: His-bundle Pacing: the mechanism of LBBB correction. (Chen, Keping)(China) 4: Feasibility and clinical outcomes of LBB pacing (Chen, Keping)(China) 5: How to make LBB pacing simple and safe? (Liu, Xinbing)(China) 6: Intra-cardiac echocardiography guided the implantation of LBB pacing (Fan, Jie)(China)
Break				
10:00-11:00	**Approach to epicardial VT** Mods/Panels: Hiroshima, Kenichi (Japan) Rungpradubvong, Voravut (Thailand) 1: Whom should be referred for epicardial ablation (Sahasthas, Dujdao) (Thailand) 2: Utility of imaging studies (Sasaki, Takeshi) (Japan) 3: Epicardial substrate according to the type of cardiomyopathy (Santangeli, Pasquale)(United States) 4: Technical considerations and potential complications (Satomi, Kazuhiro) (Japan)	**Seth Worley: How to have fun implanting an LV lead**	**Interrogating CIEDs: What do I need to know** Mods/Panels: Park, Sang Weon (South Korea) Uerojanaangkul, Preecha (Thailand) 1: Identify the devices: utility of CXR and magnet mode (Chiu-Man, Christine) (Canada) 2: Pacemaker (Yoo, Chun-ja) (South Korea) 3: ICD (Yeo, Colin(Singapore) 4: CRT (O'Donnell, David) (Australia)	**Anticoagulation Strategies for Elderly Patients with AF (Chinese Program; supported by CSPE and CSA) I/II** Mods/Panels: Xiaohan, Fan (China) 1: Anticoagulation Strategies for Elderly Patients with AF (Wang, Chun-Chieh) (Taiwan) 2: Anticoagulation Strategies for AF patients combined with Renal Insufficiency (Lin, Li-Jen) (Taiwan) 3: Review on the Clinical Trials of LAA Occlusion (Li, Yaodong)(China)
11:00-12:00	**Epicardial Ablation - How to Get in Safely and Perform Effective Ablation** Mods/Panels: Mizuno, Hiroya (Japan) Okajima, Katsunori (Japan) 1: Anatomy of the pericardium (Asirvatham, Samuel)(United States) 2: The basic steps (Fukuzawa, Koji) (Japan) 3: Technology and Techniques for Epicardial Access (Di Biase, Luigi)(United States) 4: How to deal with difficult cases and complications (Shivkumar, Kalyanam)(United States)	**Seth Worley: How to have fun implanting an LV lead**	**Boehringer Ingelheim NOACs EMERGENCY MANAGEMENT in SPAF** Mods/Panels: Col.Thoranis Chantrarat, MD. (Thailand) 11.00 Opening Remarks 11:00-11:20 Emergency coagulation assays in a NOAC patient Prof.Pantep Angchaisuksiri, MD. Hematologist, TH 11:20-11:40 Options in NOAC emergency management Asst.Prof. Bundarika Suwanawiboon, MD. Hematologist, TH 11:40-11:55 Case Sharing: Practical NOAC emergency management Col.Thoranis Chantrarat, MD. Cardiologist, TH 11:55-12:00 Summary and Closing Remarks	**Anticoagulation Strategies for Elderly Patients with AF (Chinese Program; supported by CSPE and CSA) II/II** Mods/Panels: Fang, Xianhong (China) Zhong, Jinquan(China) 1: LAA Occlusion Under the Guidance of ICE (Chang, Dong)(China) 2: Anticoagulation Strategies for Catheter Ablation Perioperation (Yang, Xin-chun)(China) 3: The Optimal Thrombophylaxis in the Chinese Elderly Patients with Atrial Fibrillation(ChioTEAF) Registry: Baseline results (Wang, Yutang)(China)
12:00-13:30 (Lunch Symposium)			**Boston Scientific LAAC in Clinical Practice** Mods/Panels: Prof. Kazutaka Aonuma | (Japan) 12:10 - 12:13 Introduction 12:13 - 12:31 Appropriate Patient Selection for LAAC including the evidence in Asia Pacific Prof. Weijian(China) 12:31 - 12:49 Considerations for establishing an LAAC program Dr. Razali Omar(Malaysia) 12:49 - 13:07 The Future of LAAC: New technologies and expanding the evidence Dr. Karen Phillips (Australia) 13:07 - 13:09 Close	
13:30-14:30		**Seth Worley: How to have fun implanting an LV lead Education Session Lowering Fluoroscopy in the EP Lab Chairpersons Dr.Chenyom, Dr. Satoru Sakagami AGENDA 13:30 ICE Utilization: How to Minimize Fluoroscopy Prof. Hong Euy Lim 13:50 Low-Fluoroscopic Ablation Techniques in 3D SVT Procedure Dr. Binhao Wang During Intra-Cardiac Procedure 14:10 Reducing Fluoroscopy in Atrial Fibrillation Procedure Dr. Sri Sundaram**	**Johnson&Johnson Experience and innovation education session** Mods/Panels: Dr. Hiroshi Nakagawa (Japan) 13:30-13:35 Presentation 13:35-13:55 Review Biophysics of Ablation 13:55-14:00 Q&A 14:00-14:20 Real world clinical evidence on surpoint and new insights of high power short duration RF ablation 14:20-14:25 Q&A 14:25- 14:30 closing	**Neuromodulation of Ventricular Arrhythmias and Heart Failure** - Mods/Panels: Zhang, Zhong Yin(China) Takeishi, Yasuchika (Japan) 1: Autonomic regulation of ventricular arrhythmias and heart failure (Shivkumar, Kalyanam)(United States) 2: Autonomic modulation of ARNI to decrease ventricular arrhythmia (Huang, Jin-Long) (Taiwan) 3: Role of cardiac sympathectomy and stellate ganglion blockade (Cho, Yongkeun) (South Korea) 4: Low-level electrical stimulation of epicardial ganglionated plexi in the inhibition of arrythmia (Wang, Hong-Tao)(China)
Break				

Time	Lotus 10	Lotus 11	Lotus 12	Lotus 1-4
08:00-09:30	**Investigation of Sudden Cardiac Arrest/Death in the youngs** Mods/Panels: Hood, Margaret (New Zealand), Amarasinghe, Susitha(Sri Lanka), Narayanan, Kumar(India) 1: Essential Hx, Family Hx, and basic test (Stiles, Martin)(New Zealand) 2: Postmortem evaluation (Semsarian, Chris) (Australia) 3: Genetic testing and counselling (Chockalingam, Priya)(India) 4: Investigating gene-elusive inherited arrhythmia syndrome (Ingles, Jodie)(Australia) 5: Panel Discussion ()	**AF and HF** Mods/Panels: Yung, Chi Yui (Hong Kong) Choi, Young (South Korea) 1: The cause or the effect: the pathophysiology of AF and HF (Tanawuttiwat, Tanyanan))(United States) 2: Medical therapy for AF with HFrEF: rate vs rhythm control (Nozoe, Masatsugu) (Japan) 3: Catheter ablation for AF with HFpEF (Wong, Tom) (United Kingdom) 4: Catheter ablation for AF with HF: insight from CAMERA-MRI (Kistler, Peter) (Australia) 5: Role of AV junction ablation in AF & HF (Gasparini, Maurizio) (Italy) 6: - ()	**How to manage ventricular arrhythmias during and post MI** Mods/Panels: Hsieh, Ming-Hsiung (Taiwan) Nakahara, Shiro (Japan) Naik, Ajay(India) 1: Scar dechanneling: new method for scar-related left ventricular tachycardia substrate ablation (Mont-Girbau, Lluis)(Spain) 2: Catheter ablation of VF storm after MI (Komatsu, Yuki) (Japan) 3: Catheter ablation with hemodynamic support (Wazni, Oussama))(United States) 4: Thromboprophylaxis after catheter ablation (Bogun, frank))(United States) 5: PVCs during MI: Prognosis and Management (Kwak, Jae Jin) (South Korea) 6: - ()	
Break				
10:00-11:00	**Genetic for cardiac arrhythmia** Mods/Panels: Yoon, Namsik (South Korea) Rattanajaruskul, Nattapun (Thailand) 1: Genetic basis of inherited arrhythmia syndrome (Ebana, Yusuke) (Japan) 2: Genetic basis of cardiomyopahy (Aiba, Takeshi) (Japan) 3: Role of microRNA in genetic regulation of cardiac arrhythmias (Nakano, Yukiko) (Japan) 4: Clinical practice of atrial fibrillation genetics: How far are we? (Xia, Yunlong)(China)	**Medtronic Improve Sudden Cardiac Arrest ICD primary prevention** Mods/Panels: Dr. Yen-Bin Liu (Taiwan) 10:00-10:05 Welcome and Introduction By chairman Dr. Yen-Bin Liu (Taiwan) 10:05-10:20 Improve Sudden Cardiac Arrest ICD Primary Prevention Dr. Ching Chi Keong (Singapore) 10:20-10:35 Improve Sudden Cardiac Arrest ICD Primary Prevention Dr. C Narasimhan(India) 10:35-10:50 Improve Sudden Cardiac Arrest ICD Primary Prevention Dr. Gu Min(China) 10:50-11:00 Q& A and adjourn	**Computer modeling/ECG/Signal Processing** Mods/Panels: Takase, Bonpei (Japan) Yoshida, Akihiro (Japan) 1: Non-invasive localization of atrial F wave activity from 64-channel magnetocardiography signals (Kim, Doosang) (South Korea) 2: Role of signal analysis to identify the origin of VT (Higa, Satoshi) (Japan) 3: New frequency analysis (continuous wavelet transform analysis) (Yokoyama, Yasuhiro) (Japan) 4: Biosignal recording and troubleshooting (Padmanabhan, Deepak)(India)	
11:00-12:00	**Genetic Testing 101** Mods/Panels: Shimizu, Akihiko (Japan) Teerawongsakul, Padoemwut (Thailand) 1: Genetic testing in NGS era (Bhuiyan, Zahurul) (Switzerland) 2: How to interpret the test (Stiles, Martin)(New Zealand) 3: Whom should be tested? (Ebana, Yusuke) (Japan) 4: Pitfalls of genetic testing (Roden, Dan)(United States)		Arrhythmic disease modeling Mods/Panels: Cheng, Chen-Chuan (Taiwan) Shinlapawittayathorn, Krekwit (Thailand) 1: Maturation of pluripotent stem cell-derived cardiomyocytes (Yoshida, Yoshinori) (Japan) 2: Human-induced pluripotent stem cell-derived cardiomyocytes (hiPSC-CMs) as platform for study of cardiac Ca channelopathy (Horie, Minoru) (Japan) 3: The review of all mouse models in CPVT (Tsai, Wen-Chin) (Taiwan) 4: Atrial Fibrillation and electrophysiology in Transgenic Mice with Cardiac-Restricted Overexpression of FKBP12 (Chen, Peng)(United States) 5: Molecular Mechanism of Atrial Thrombosis: Insight from an Animal Model (Goette, Andreas)(Germany)	
12:00-13:30 (Lunch Symposium)				
13:30-14:30		**Boston Scientific Expansion of LAAC with WATCHMAN™ for the Asian patient population** Mods/Panels: Prof. Akihiko Nogami | (Japan) 13:30 – 13:33 Introduction 13:33 – 13:51 Why AF management for Asian Patients is different Dr. Omar Razali |(Malaysia) 13:51 – 14:09 Early experience with WATCHMAN in (Japan) Dr. Koichi Inoue | (Japan) 14:09 – 14:27 Learnings from)(United States)A: What does it take to build a successful WATCHMAN program Dr. Shephal Doshi |)(United States)A 14:27 – 14:30 - Close	**Boston Scientific Improving outcomes for heart failure patients through devices: an ASEAN perspective** Mods/Panels: Dr. Arisara Suwanagool | (Thailand) Dr. Kelvin Wong | (Singapore) 1:30 – 1:35 Opening Remarks Dr. Arisara 1:35 – 1:50 Approach to CRT non-responders: Hardware and Software optimization 1:50 – 2:05 Multisite Pacing; when and what to consider 2:05 – 2:20 Role of remote monitoring device for HF patients – does it help improve outcomes? 2:20 – 2:30 HF Management with Predictability 2:30 - Close	
Break				

15:00-16:30		**Anticoagulation Managements in fragile AF patients** Mods/Panels: Hayashi, Kentaro (Japan) Lee, Young Soo (South Korea) ANGCHAISUKSIRI, Pantep (Thailand) 1: Stroke prevention in very elderly patients (Chao, Tze-Fan) (Taiwan) 2: Stroke prevention in elderly patients with renal failure (Lane, Deirdre) (United Kingdom) 3: Stroke prevention in patients with associated CAD or PAD (Goette, Andreas)(Germany) 4: Stroke prevention in recent major bleeding (Shin, Dae-Hee) (South Korea) 5: Stroke prevention in patients with liver disease (Steffel, Jan) (Switzerland) 6: Role of LAAO in Fragile Patients (Doshi, Shephal)(United States)	**Medtronic** **Unknown Electrogram Tracings** Mods/Panels: Dr. Eric Prystowsky (USA) Dr. Eric Prystowsky will discuss complex arrhythmia cases with Prof Jonathan Kalman (Australia), Dr. Haris Haqqani (Australia) & Dr. Chi Keong Ching (Singapore)	**AF and clinical outcomes** Mods/Panels: Lau, Dennis (Australia) Sitthisook, Surapun (Thailand) Watanabe, Hiroshi (Japan) 1: Is AF a marker or mechanism of stroke? (Van Gelder, Isabelle)(Netherlands) 2: Body mass index and CV outcomes in AF patients (Giugliano, Robert P.)(United States) 3: Left atrial abnormalities and atrial fibrillation-related cognitive decline (Chen, Lin Yee)(United States) 4: Atrial fibrillation in women (Oto, Ali)(Turkey) 5: Long term outcome of previously-known "lone AF" (Deisenhofer, Isabel)(Germany) 6: Post-traumatic stress disorder and risk of AF (Lin, Wei-Shiang) (Taiwan)	Pearls in CHD arrhythmia Mods/Panels: Ezzat, Vivienne(United Kingdom) Berul, Charles I.)(United States) Huh, June (South Korea) 1: CHD anatomy and conduction system essentials for EP (30 mins) (Asirvatham, Samuel)(United States) 2: Arrhythmia in Heterotaxy (15 mins) (Wu, Mei-Hwan) (Taiwan) 3: Arrhythmia in Ebstein anomaly(15 mins) (Celiker, Alpay)(Turkey) 4: Atrial fibrillation in CHD (15 mins) (Miyazaki, Aya) (Japan) 5: Bradyarrhythmia in CHD (15 mins) (Kato, Yoshiaki) (Japan)	**6 abstract (CIEDs)** Mods/Panels: Tasaka, Hiroshi (Japan) Tuan, Ta-Chuan (Taiwan) 15.00-15.15 Comparison of repolarization indices between His bundle and biventricular pacing Sarkar,Rakesh (India) 15.15-15:.30 The Effect of Direct to Patient Communication on Patient Compliance with Automated Managed Remote Monitoring (RM) of Cardiac Implantable Electronic Devices (CIEDs) Campbell, Kevin (United State) 15.30-15.45 Long-term Performance of Left Bundle Branch Pacing in Patients with Left Bundle Branch Block Huang,Weijian (China) 15.45-16:00 Predictors of major Adverse Events over 12 months after ICD/CRT-D replacement/upgrade in a contemporary large world population: insight to the DECODE registry De Filippo, Paolo (Italy) 16.00-16.15 Survival after transvenous lead extraction due to infective indications CURNIS,ANTONIO (Italy)	**Topic 6 abstract (CIEDs)** Mods/Panels: Gasparini, Maurizio ,Kobori, Atsushi 15.00-15.15 Atrial floating dipole sensing performances in implantable cardioverter defibrillator and cardiac resynchronization therapy device MAGLIA,GIAMPIERO (Italy) 15.15-15:.30 "Bi-bundle branch pacing" for persistent atrial fibrillation and third-degree atrioventricular block Fan,Xiaohan (China) 15.30-15.45 "Stubborn right ventricle" - How did we overcome the challenge? De Vas Goonewardane,Nishan (Sri Lanka) 15.45-16:00 Safety and efficacy of percutaneous lead extraction of cardiac implantable electric devices in the elderly Assistant Okada, Ayako (Japan) 16.00-16.15 Peak Deflection Index as a Predictor of a Free-wall Implantation of Leadless Pacemakers Assistant Kajiyama, Takatsugu (Japan) 16.15-16.30 A case report of Left	**Troubleshooting long-RP tachycardia** Mods/Panels: Hsieh, Ming-Hsiung (Taiwan) Huang, Shoei K. Stephen)(United States) Yamabe, Hiroshige (Japan) 1: Tips and Tricks from the expert (Huang, Shoei K. Stephen)(United States) 2: Atypical AVNRT)(United States)ing the variants of slow pathways (Kaneko, Yoshiaki) (Japan) 3: Differentiation of atrial tachycardia from other long RP tachycardias by electrocardiographic characteristics (Higuchi, Koji)(United States) 4: Sinoatrial conduction and sinoatrial reentrant tachycardia (Hara, Motoki) (Japan) 5: Is it AT or atypical AVNRT? (Nantsupawat, Teerapat) (Thailand) 6: Interesting case (Win, Khin Maung) (Myanmar)	**Catheter ablation of ventricular arrhythmias: a case-based approach** Mods/Panels: Nazarian, Saman)(United States) Kawakami, Tohru (Japan) Thachil, Ajit(India) 1: Mapping and ablating intramural VT: a case based approach (Bogun, frank)(United States) 2: Optimal pre-procedural planning for NICM VT ablation: a case based approach (Santangeli, Pasquale)(United States) 3: Catheter ablation via surgical approach supplemented by direct ethanol injection as the utter solution for the treatment of VT in patients with structural heat disease (Chen, Minglong)(China) 4: Catheter ablation of crux VT: an interesting case (Kawamura, Mitsuharu) (Japan) 5: Approach to non-reentrant Fascicular Tachycardia: an interesting case (Talib, Ahmed) IRAQ/(Japan) 6: What should be an appropriate endpoint for VT ablation? (a case based	**Seth Worley: How to have fun implanting an LV lead** Mods/Panels: Worley, Seth J.)(United States)	**Real world practice and gaps in arrhythmia care** Mods/Panels: Lemery, Robert (Canada) Huang, Dejia(China) Lwin, Khin Oo (Myanmar) 1: Pacing in Africa: Perspectives and Challenges (Chin, Ashley) (South Africa) 2: The Safety and Economy of Pulse Generator Reuse (Agbayani, Michael Joseph) (Philippines) 3: Subcutaneous ICD: A service gap in the real world? (Chan, Kwok-Keung) (Hong Kong) 4: How to improve primary prevention of SCD in Asian patients? (Joung, Boyoung) (South Korea) 5: Cost and Reimbursement Issues for EP procedures (Khalilullah, M.)(India) 6: The Increasing Burden of Atrial Fibrillation: Asia-Pacific Perspective (Wong, Christopher X.) (Australia)	**Surgical Ablation of AF: Joint sessions between STST and APHRS (I/II)** Mods/Panels: Hanafy, Dickky (Indonesia) Chen, Mien-Cheng (Taiwan) Chaiyaroj, Suchart (Thailand) 1: ECGI and Advances in AF Surgery (30 mins) (Damiano, Ralph)(United States) 2: Surgical ablation for AF: current status and recommendations (15 mins) (Nitta, Takashi) (Japan) 3: AF surgery with Da Vinci assisted MV Repair (15 mins) (Lee, Jae Won) (South Korea) 4: Strategy for AF surgical therapy: LA, RA, or biatria (15 mins) (Sueda, Taijiro) (Japan) 5: This is how I perform the Maze procedure (15 mins) (Kosakai, Yoshio) (Japan)	**J-wave Syndromes I/II** Mods/Panels: Nwe, Nwe (Myanmar) Sahasthas, Dujdao (Thailand) 1: Genetic Basis (Kumawat, Kapil)(India) 2: Electrocardiographic and arrhythmogenic mechanisms (Coronel, Ruben) (Netherlands) 3: J-wave syndrome and BrS: are they the same? (Ohe, Tohru) (Japan) 4: J-wave syndrome: a view from an Expert (Antzelevitch, Charles)(United States) 5: Panel Discussion ()	**How to avoid complications from AF ablation (I/II)** Mods/Panels: Ichiki, Hitoshi (Japan) Shim, Jaemin (South Korea) 1: OACs management to avoid stroke and bleeding (Calkins, Hugh)(United States) 2: Pulmonary vein stenosis: how to avoid and what to do when it happens. (Tondo, Claudio) (Italy) 3: Atrioesophageal injury: For those who haven't seen one, what do they need to know? (Deneke, Thomas)(Germany) 4: How to minimize fluoroscopic)(United States)e (Sundaram, Sri)(United States) 5: How to minimiza phrenic nerve and vagus nerve injury during AF ablation (Lakkireddy, Dhanunjaya)(United States) 6: Life Threatening Complications of AF Ablation: A 16 Year Experience (Wazni, Oussama)(United States)	**Interesting cases from my labs/clinics** Mods/Panels: Park, Young M.)(United States) Malik, Amit Kumar(India) Miyazaki, Shinsuke (Japan) Boonyapisit, Warangkna (Thailand) 1: Case #1 (Jung, Wonyoung) (South Korea) 2: Case #2 (Obias-Manno, Dulce)(United States) 3: Case #3 (Liang, Shufen(Singapore) 4: Case #4 (Kuo, Yi-Lan) (Taiwan) 5: Twin AV node and SVT (Sriprom, Chatyapha) (Thailand) 6: Case #6 (Irwin, Marleen E.) (Canada)	
Break																
16:45-17:45	**Welcome Reception/Convocation** 17.00 – 17.30 Enjoy Activity at foyer 17.30 Open door 17.45 – 18.00 Greeting by MC Welcome Speech by 1. Dr. Chu-Pak Lau, President of the APHRS 2. Dr. Buncha Sunsaneewitayakul, Vice Chairman of APHRS 2019 18.00 – 18.30 Convocation Ceremony Speech by Prof. Masayasu Hiraoka, 1st President of APHRS 18.30 – 20.00 Enjoy Live Band Thai Dance End of Program	**The "MAD" (Mitral annular disjuction) arrhythmic syndrome (Joint with Thai Cardiac Imaging Society)** **alk+QA** Mods/Panels: Chugh, Sumeet S.)(United States) Krittayaphong, Rungroj (Thailand) 1: The disjunction and risk of sudden cardiac death (Haqqani, Haris M.) (Australia) 2: What does 'MAD' look like in Echo? (See, Oraporn) (Thailand) 3: Role of MRI to evaluate morphofunctional abnormalities of mitral annulus (Tangcharoen, Tarinee) (Thailand) 4: Role of Catheter ablation (Lin, Yenn-Jiang) (Taiwan)	**Quiz show** Mods/Panels: Narayanan, Kumar (India) Te, Abigail Louise (Philippines) 1: (Hwang, Chun)(United States) 2: () 3: (Ngarmukos, Tachapong) (Thailand)	**Late Breaking Clinical Trials** 16.45-17.45 Chairperson : Lau,Chu-Pak / Chen, Shin An / Wei,Hua / Ngarmukos, Tachapong 16.45-17.05 Patient Characteristics and Treatment of Atrial Fibrillation in Asia-Pacific Region: The APHRS Atrial Fibrillation Registry Prof. Hung-fat Tse/Hongkong 17.05-17.25 Baseline demographics and characteristics of 2,959 atrial fibrillation patients from Asia (Korea and Taiwan) on edoxaban comparing recommended vs non-recommended dosing Chao, Tze-Fan/Taiwan 17.25-17.45 Trans-thoracoscopic left atrial appendage excision with pulmonary vein ablation as an alternative to oral anticoagulants for secondary thromboprophylaxis in atrial fibrillation patients Doctor Minglong Chen/ China				**APHRS/Abbott Physician Education Irve Therapy Alumni Tea Time Gathering** **Doctors who have participated APHRS / Abbott Device Therapy Program in the past, other doctors are also** **4:45-4:55 Reception & Opening** **Prof. Lau Chu Pak 10 Mins** **4:55-5:15 Case Presentation--Pacing, ICD & CRT 20 Mins (3 Presenters)** **5:15-5:25 Career Path 10 Mins** **Dr.Teo Wee Siong** **5:25-5:35 APHRS / Abbott Program Certificate Award Ceremony 10 Mins** **Prof. Lau Chu Pak , Dr. Teo Wee Siong , Dr. Katherine Fan Prof. Zhang Shu (TBC) Dr. Anil Saxena (TBC)** **5:35-5:45 Group Photos All Faculties & Fellows**				**Surgical Ablation of AF: Joint sessions between STST and APHRS (II/II)** Mods/Panels: Damiano, Ralph (United States) Lee, Jae Won (South Korea) 1: Experiences and results of concomitant Mitral Maze #1 (Chaiyaroj, Suchart) (Thailand) 2: Experiences and results of concomitant Mitral Maze #2 (Kasemsarn, Choosak) (Thailand) 3: Experiences and results of concomitant Mitral Maze #3 (Sakboon, Boonsap) (Thailand) 4: Experiences and results of concomitant Mitral Maze #4 (Jetwanna, Paradorn) (Thailand) 5: Experiences and results of concomitant Mitral Maze #5 (Sakiyalak, Pranya) (Thailand) 6: Panel Discussions (10 mins) ()	**J-wave Syndromes II/II** Mods/Panels: Jirasirirojanakorn, Kriengkrai (Thailand) Johar, Sofian (Brunei) 1: Risk stratification (Yoon, Namsik) (South Korea) 2: Clinical significance of J wave in inherited arrhythmia syndrome (Takagi, Masahiko) (Japan) 3: Update on approach to therapy for J-wave syndrome (Aizawa, Yoshiyasu) (Japan)	**How to avoid complications from AF ablation (II/II)** Mods/Panels: Mangrum, Michael (United States) Assavahanrit, Jarin (Thailand) 1: Approach to asymptomatic cerebral microthromboembolism after atrial fibrillation ablation (Ichiki, Hitoshi) (Japan) 2: Pericardial complications: how to prevent and manage (Hanafy, Dickky) (Indonesia) 3: Simple and Safe Cryoballoon PVI (Masuda, Masaharu) (Japan) 4: What are the predictors of the complications? An Asian Perspectives (Murakawa, Yuji) (Japan)	**Basic EP for EP Techs (Joint sessions between KHRS and APHRS)** Mods/Panels: Lee, Hyun Soo (South Korea) Obias-Manno, Dulce(United States) Oh, Yong Seog (South Korea) Joung, Boyoung (South Korea) 1: Basic pharmacology you need to know (Kang, Ki-Woon) (South Korea) 2: Basic anatomy you need to know (Choi, Ok) (South Korea) 3: Basic EGMs you need to know (Park, Jeong-Wook) (South Korea) 4: Basic wound care you need to know (Pornnimitthum, Napawan) (Thailand) 5: How to implement research trials in EP lab (Park, Young M.)(United States)	

Time	**25 October 2019 (Friday)**															
	Convention Centre	**Ballroom B**	**Ballroom A**	**Ballroom C**	**Lotus 13**	**Lotus 14**	**Lotus 15**	**Lotus 1-2**	**Lotus 3-4**	**Lotus 5-6**	**Lotus 7**	**Lotus 9**	**Lotus 10**	**Lotus 11**	**Lotus 12**	**Lotus 1-4**
08:00-09:30	**Athlete Screening and Arrhythmic Management** Mods/Panels: Schwartz, Peter (Italy) 1: Should we screen an athlete before sport participation? (Link, Mark S)(United States) 2: Sports-triggered SCD: is it a real threat? (Chugh, Sumeet S.)(United States) 3: Competitive Sports and Athletes with Genetic Heart Disease: Who Says That I Can't Play? (Ackerman, Michael J.)(United States) 4: Management of atrial fibrillation in athletes (Kalman, Jonathan) (Australia) 5: Panels Discussion ()	**How do I change my practice after the big trials** Mods/Panels: Teo, Wee Siong (Singapore) Poole, Jeanne (United States) 1: DANISH (Kober, Lars) (Denmark) 2: CASTLE-AF (Brachmann, Johannes)(Germany) 3: CABANA (Packer, Douglas L.)(United States) 4: "NOACs"-PCI trials (Lopes, Renato)(United States) 5: VEST (Epstein, Andrew E.)(United States) 6: Panels Discussion	**Morning with Dr. Jackman (I): AVNRT** Mods/Panels: 1: Five Atrionodal connections (Jackman, Warren M.)(United States)	**Medtronic** **Learn from the Experts 'EGM'** Mods/Panels: Prof George Klein (Canada) Prof. George Klein (Canada) will lead a discussion of complex intracardiac tracings and discuss with Prof. Akihiko Nogami (Japan) and Dr. Raymond Sy (Australia)	**APHRS-PACES joint session: Continuous education of young EP docs** Mods/Panels: Khongpatanayothin, Apichai (Thailand) Van Hare, George F)(United States) Wu, Mei-Hwan (Taiwan) Yoshimoto, Jun (Japan) 1: How you became EP doc in your country? () 2: Dual role life : Pediatric EP-interventionists. (Samion, Hasri)(Malaysia) 3: Practice variation and adaptation between)(United States) and (Hong Kong) (Tsao, Sabrina) (Hong Kong) 4: Educational collaboration with Adult EP docs (Kanjanuthai, Supaluck) (Thailand) 5: How to establish continuous education in PedEP (Davis, Andrew M) (Australia) 6: International Collaboration with PACES (Cohen, Mitchell)(United States)	**YIA 6 abstract (General EP, Pediatrics and GUCHs)** Mods/Panels: Hsieh, Ming-Hsiung (Taiwan) Fan, Katherine (Hong Kong)Ma, Soot Keng (Malaysia) Feld, Gregory)(United States) 8:00-8.15 Mid-term Outcome of Retrograde Transaortic Method for Left Accessory Pathway and Left Ventricular Catheter Ablation Utilizing Zero or Near-zero Fluoroscopy Guidance in Pediatric Population- A Single Center Study. Tsengm,Wei-Chieh (Taiwan) 8.15-8.30 QT interval in right ventricular pacing: how to define "normal" or "prolonged" Wang,Binhao (China) 8.30-8.45 Anatomical and clinical features in patients underwent atypical coronary sinus cannulation weng , sixian (China) 8.45- 9.00 Electrocardiogram characteristics and arrhythmic events at fever state in patients with fever-induced Brugada syndrome		**Anatomy for Electrophysiologist I** - Mods/Panels: Yansen, Ignatius (Indonesia) Otomo, Kiyoshi (Japan) 1: General anatomy and the neighbors: what an electrophysiologist needs to know? (Cabrera, Jose Angel) (Spain) 2: RA anatomy overview and relevance to SVT ablation (Asirvatham, Samuel)(United States) 3: Anatomy of the atrial septum and interatrial communications (Tsao, Hsuan-Ming) (Taiwan) 4: Anatomy and electrical anatomy of cardiac conduction system (Ho, Siew Yen) (United Kingdom)	**Electrical storm: update and interesting cases** Mods/Panels: Shashidhar(India) Choi, Kee-Joon (South Korea) Troung, Quang Khanh (Vietnam) 1: Step-wise approach (Chen, Wen-Jone) (Taiwan) 2: Role of catheter ablation (Kurita, Takashi) (Japan) 3: Role of cardiac sympathectomy (Vora, Amit)(India) 4: Bail-out from Ventricular storm Resistant to Conventional Endo-Epi Ablation: an interesting case (Goya, Masahiko) (Japan) 5: Reversible cardiomyopathy after VT storm ablation (Wisaratapong, Treechada) (Thailand) 6: VT storm in Tuberculous Granulomatous Carditis: an interesting case (Suresh, Allamsetty)(India)	**How to rescue a CRT non-responder** Mods/Panels: Gasparini, Maurizio (Italy) Narasimhan, Calambur(India) Ando, Kenji (Japan) 1: Phenogrouping to identify CRT responders (Kutyifa, Valentina)(United States) 2: His bundle or left bundle pacing as a rescue therapy (Huang, Weijian)(China) 3: How to choose LV lead location (Glikson, Michael) (Israel) 4: Multipoint pacing: does it improve resynchronization? (Mont-Girbau, Lluis) (Spain) 5: Role of Cardiac Contractility Modulation (Wei, Hua)(China) 6: Role of percutaneous mitral valve repair (Auricchio, Angelo) (Switzerland)	**Lead management mini symposium (I)** - Mods/Panels: Sueda, Taijiro (Japan) Wynn, Gareth (Australia) 1: Will lead extraction ever be a "safe" procedure? (Wilkoff, Bruce L.)(United States) 2: How to select appropriate tools for different types of leads (Shoda, Morio) (Japan) 3: Role of imaging in lead extraction (Roberts, Paul) (United Kingdom) 4: New tools and technology that could save your day. (Strathmore, Neil) (Australia) 5: Surgical management of lead extraction complications (Starck, Christoph)(Germany) 6: Tips and tricks in extracting a difficult lead (Lever, Nigel)(New Zealand)	**Device Therapy of Heart Failure (Chinese Program; supported by CSPE and CSA)** Mods/Panels: Tang, Baopeng(China) Wang, Chun-Chieh (Taiwan) Xue, Xiaolin (China) 1: Does Left ventricular MultiPoint pacing improve hemodynamic response? (Zou, Jiangang)(China) 2: Adaptive CRT: Experiences from(China) (Niu, Hongxia)(China) 3: Neuromodulation for heart failure (Tse, Hung-Fat) (Hong Kong) 4: Does remote monitoring improve CRT response? (Wang, Jinfeng)(China) 5: Strategies for patients with failed routine CRT implantation (Zheng, Liangrong)(China) 6: ()	**Arrhythmogenesis** Mods/Panels: Lin, Yung-Kuo (Taiwan) Joseph, Stephen (Australia) Yeh, Hung-I (Taiwan) 1: Antiarrhythmic and proarrhythmic effects of subcutaneous nerve stimulation (Chen, Peng)(United States) 2: Calmodulin regulation of Calcium and Sodium channels and arrhythmogenesis (Limpitikul, Worawan)(United States) 3: Left ventricular hypertrophy and arrhythmogeneis (Shenasa, Mohammad)(United States) 4: Dysfunctional Nav1.5-Kir2.1 channelosomes in inheritable cardiac arrhythmogenic diseases (Jalife, Jose)(United States) 5: Role of Cardiac Electrical Restitution during Exercise Stress Testing for Non-Invasive Assessment of Arrhythmia Propensity After Myocardial Infarction - From Animal Models to Bedside (Pouliopoulos, Jim) (Australia) 6: Repolarization heterogeneities and arrhythmogenesis (Coronel, Ruben)	**Jr EP: Difficult AF Management Cases (AADs, OACs, Ablation, LAAO)** Mods/Panels: Doshi, Shephal)(United States) Phillips, Karen (Australia) Chao, Tze-Fan (Taiwan) Munawar, Muhammad (Indonesia) 1: TBA (Lee, So-ryoung) (South Korea) 2: TBA (Yu, Hee Tae) (South Korea) 3: TBA (Tam, Tsz Kin Mark) (Hong Kong) 4: TBA (Wei, Koh Kok)(Malaysia) 5: TBA (Limprasert, Sarawuth) (Thailand) 6: TBA (Wimonsophonkitti, Raiwin) (Thailand)	**Patient centred arrhythmia management: Team, Tools, and Technology** - Mods/Panels: Yang, Pil-sung (South Korea) Song, Susan L.)(United States) Middeldorp, Melissa Emma (Australia) 1: Ambulatory ECG Technology for Syncope/Collapse: Physician and Patient Perspectives (Benditt, David G.)(United States) 2: Integrated approach and nurse led management (Hendriks, Jeroen) (Australia) 3: How to implement AF patients care (Lane, Deirdre) (United Kingdom) 4: Integrating a combined cardiac-genetic outpatient and improving outcomes and experience (Wildschut, Jason) (Australia) 5: Engaging Children in Device Follow up: How and Why? (Chiu-Man, Christine) (Canada)	
Break	**(Exhibition Hall)** **Coffee break, poster viewing and visit exhibition**															
10:00-11:00	**Plenary Session on AF (1)** **Mods/Panels:** Pak, Hui-Nam (South Korea) Shen, Win-Kuang)(United States) 1: Stroke prevention in AF: State of the art (Lip, Gregory YH) (United Kingdom) 2: Risk factors management in AF: Is it a game changer? (Sanders, Prashnathan) (Australia)	**Medtronic (His Purkinje Pacing Live Cases)** (Operators: Drs. W. Huang and PS. Sharma) (Live from Siriraj Hospital) Panelist at Ballrooom B 1. Dr Satchana Pumprueg (Thailand) 2. Dr Arisara Suwanagool (Thailand) 3. Dr. Pugazhendhi Vijayaraman (USA) 4. Dr Uwais Mohamed (Australia)	**Morning with Dr.Jackman (II): AVNRT** Mods/Panels: 1: Anatomical Definition and Ablation of the Different Forms of AVNRT (Jackman, Warren M.)(United States)	**Late Breaking Clinical Trials** Chairperson : Gold, Michael R.,AURICCHIO, ANGELO, Kim, Yong-Hoon, 10:00-10.20 Safety and Effectiveness of Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation With a Multi-Electrode Radiofrequency Balloon Catheter: Results From the Multicenter SHINE Study Prof. Richard Schilling/ United Kingdom 10.40-11.00 10.45- 11.00 The Clinical benefit of MultiPoint Pacing in Heart failure patients: preliminary results from a randomized and multicenter study in the Middle East. Dr. Abdul Mohsen Al-Musaad/Saudi Arabia	**Best CHD ablation strategies** Mods/Panels: Ernst, Sabine(United Kingdom) Hebe, Joachim(Germany) Kanjanuthai, Supaluck (Thailand) 1: Strategies : AVNRT ablation in complex CHD (15 mins) (Chiu, Shuenn-Nan) (Taiwan) 2: Strategies : IART ablation in CHD (15 mins) (Van Hare, George F)(United States) 3: Strategies : AF ablation in CHD (15 mins) (Nishiuchi, Suguru) (Japan) 4: Strategies : VT ablation in CHD (15 mins) (Yoshimoto, Jun) (Japan)		**Topic 4 Abstract AF** Moderator Mam, Chandara Garcia, Fermin Nam, Gi-Byoung Gerstenfeld, Edward P. 10:00-10.15 Prevention of serious air embolism during cryoballoon ablation, risk assessment of air intrusion into the sheath by catheter selection, and change in intrathoracic pressure: an ex vivo study Tsukahara,Keita Japan 10.15- 10.30 Feasibility and safety of his bundle pacing and left bundle branch area pacing in atrial fibrillation patients in need of pacing Ye, Yang (China) 10.30- 10.45 Catheter ablation of atrial fibrillation prevents cardiovascular events and death in over 80-year-old patients Taya, Satoshi (Japan) 10.45- 11.00 Ablation of Persistent Atrial Fibrillation Is Successful if it Targets Large Domains of Organized Atrial Activity Rogers, Albert (United States)	Anatomy for Electrophysiologist II Mods/Panels: Cabrera, Jose Angel (Spain) 1: RV and LV (Igawa, Osamu) (Japan) 2: Outflow tracts (Thajudeen, Anees)(India) 3: Cardiac ganglionated plexi (Lemery, Robert) (Canada)	**Imaging-guided VT ablation** Mods/Panels: Bunch, Jared)(United States) Lim, Hong Euy (South Korea) 1: Role of ICE in VT ablation (Garcia, Fermin)(United States) 2: Role of MRI in catheter ablation of VT (Navaravong, Leenhapong)(United States) 3: Value of CT in targeting post-infarction VT (Bogun, frank)(United States) 4: Wall thickness and critical sites of VT in post MI (Takigawa, Masateru) (France)	**Medtronic** **Learn from the Experts 'ECG'** Mods/Panels: Prof George Klein (Canada) Prof. George Klein (Canada) will discuss complex ECG tracings with Dr. Raymond Sy (Australia) and Dr. Manoj Obeyesekere (Australia)	**Lead management mini symposium (II)** Mods/Panels: Strathmore, Neil (Australia) Wilkoff, Bruce L.)(United States) 1: Indication of lead extraction for non-infected cardiac rhythm devices: recalled lead, abandoned lead, and lead exchange (Suwanagool, Arisara) (Thailand) 2: How to choose the lead(s) and access site(s) at the first implantation of a cardiac pacing device. (Aleong, Ryan)(United States) 3: Palliation and non-extraction approaches (Love, Charles J.)(United States) 4: Management of pocket hematoma (Karthigesan, A M)(India) 5: Management of pocket infection (Singhal, Rahul)(India)	**Unusual and uncommon genetic causes of arrhythmia (Joint APHRS/JHRS)** Mods/Panels: Hu, Dan(China) Murata, Hiroshige (Japan) Ogawa, Masahiro (Japan) 1: Short QT syndrome: a rare but dangerous ion channelopathy (Horie, Minoru) (Japan) 2: Role of atrial potassium channel in cardiac diseases (Cha, Tae-Joon) (South Korea) 3: Genetic of cardiac conduction disturbance (Makita, Naomasa) (Japan) 4: Uncommon variants of arrhythmogenic cardiomyopathy (Ingles, Jodie) (Australia)	**Risk stratification of SCD: Tools and Tests** Mods/Panels: Agbayani, Michael Joseph (Philippines) Pouliopoulos, Jim (Australia) 1: Disrupting the Approach to Sudden Cardiac Death From Vulnerable Ejection Fraction to Vulnerable Patient (Chugh, Sumeet S.)(United States) 2: Role of clinical profiles (Poole, Jeanne)(United States) 3: ECG - a forgotten Tool for Risk Stratification (Borggrefe, Martin)(Germany) 4: Role of CMR (Mcgavigan, Andrew D.) (Australia) 5: Genetic Variants of SCD in adults population (Albert, Christine)(United States)	**PVCs and Poor LV** Mods/Panels: Achmad, Chaerul (Indonesia) Zhang, Fengxiang(China Yamada, Shinya (Japan) 1: Mechanisms of PVCs induced cardiomyopathy (Gerstenfeld, Edward P.)(United States) 2: Post-extrasystolic potentiation as a predictor of recovery of LV function (Tholakanahalli, Venkat N.)(United States) 3: Ectopy-mediated cardiomyopathy: Risk (factors) and Rewards (Haqqani, Haris M.) (Australia) 4: PVC ablation: when and how? (Teo, Wee Siong(Singapore)	**Remote monitoring: challenges and opportunities** Mods/Panels: Jung, Werner(Germany)Watanabe, Eiichi (Japan) Fan, Katherine (Hong Kong) Matsumoto, Kazuo (Japan) 1: Remote monitoring in clinical practice:)(United States) persepctive (Mittal, Suneet)(United States) 2: Utility of home monitoring for CIEDs in Asia-Pacific region (Ching, Chi Keong(Singapore) 3: The true impact of remote monitoring on CV outcomes (Gillis, Anne) (Canada) 4: Are CIED patients better served remotely monitored than seeing their doctors regularly in clinic? (Varma, Niraj)(United States) 5: Panel Discussion ()	
11:00-12:00	**Plenary Session on AF (2)** Mods/Panels: Yao, Yan(China) Lakkireddy, Dhanunjaya)(United States) 1: Two decades of PVI (Haissaguerre, Michel) (France) 2: Why doesn't AF terminate anymore? (Allessie, Maurits) (Netherlands)		**Morning with Dr. Jackman (III): AVNRT** Mods/Panels: 1: Anatomical Definition and Ablation of the Different Forms of AVNRT (Jackman, Warren M.)(United States)	**Pfizer (Thailand) Limited The)(United States)e of NOACs in ablation and AF + ACS** Mods/Panels: Speaker: PROF.RENATO LOPES)(United States) Moderator: DR. THORANIS CHANTRARAT (Thailand) The)(United States)e of NOACs in ablation and AF + ACS	**Cardiac Rhythm Devices in Pediatric Population** Mods/Panels: Miyazaki, Aya (Japan) Celiker, Alpay (Turkey) Song, Mi-Kyoung (South Korea) 1: Leadless Pacing in patients with CHD (15 mins) (Kriebel, Thomas)(Germany) 2: ICD for ACHD (15 mins) (Nishii, Nobuhiro) (Japan) 3: His Bundle Pacing in Children (15 mins) (Gamboa, David)(United States) 4: CRT in CHD: Does it Work? (15 mins) (Silva, Jennifer)(United States)	**YIA 4 abstact (VT)** Mods/Panels: Mam, Chandara (Cambodia) Garcia, Fermin)(United States) Nam, Gi-Byoung (South Korea) Gerstenfeld, Edward P.)(United States) 11.00-11.15 Focal Ventricular Tachycardias (VT) in Structural Heart Disease: Prevalence, Characteristics and Clinical Outcomes after Catheter Ablation Anderson, Robert (Australia) 11.15- 11.30 ACCURACY OF NON-INVASIVE MAPPING FOR PREMATURE VENTRICULAR COMPLEXES CATHETER ABLATION IN A HETEROGENEOUS COHORT OF PATIENTS Cazzoli,Ilaria (United Kingdom) 11:30-11:45 Long-term outcome of Catheter Ablation for Ventricular Tachycardia in Patients with post Myocardial Infarction with Heart Failure in Mid-range Ejection Fraction term Nakamura, Shin (Japan) 11.45- 12.00 Prediction of Distribution of	**Topic 4 abstract AF** Moderator Kobori, Atsushi Sukitpunyaroj, Damrong 11.00-11.15 Transesophageal echocardiography measures left atrial appendage volume and function and predicts recurrence of paroxysmal atrial fibrillation after radiofrequency catheter ablation Chen, Chao-feng (China) 11.15- 11.30 Effects of Uninterrupted Dabigatran on the intensity of Anticoagulation during Atrial Fibrillation Ablation Osawa, Takumi (Japan) 11:30-11:45 EPICARDIAL ADIPOSE TISSUE ASSOCIATES WITH ELECTRICAL, STRUCTURAL AND MOLECULAR ATRIAL REMODELLING IN HUMANS: DEFINING THE SUBSTRATE FOR ATRIAL FIBRILLATION IN OBESITY. Nalliah,Chrishan (Australia) 11.45- 12.00 Ablation of Atrial tachycardia with multiple reentrant rings in right Atrial cardiomyopathy without history of surgery or ablation by an ultra-	**Anatomy for Electrophysiologist III** Mods/Panels: Munawar, Muhammad (Indonesia) Ogano, Michio (Japan) 1: Anatomy of left atrium for catheter ablation and LAA occluder (Cabrera, Jose Angel) (Spain) 2:)(United States)eful anatomical information for device therapy (Igawa, Osamu) (Japan)	**How to ablate non-ischemic VT** Mods/Panels: Tholakanahalli, Venkat N.)(United States) Rao, B. Hygriv(India) 1: Overview: approach and outcomes (Nair, Mohan)(India) 2: Unipolar mapping for identifying substrate in Non-ischemic CM (Marchlinski, Francis E)(United States) 3: When and how to end the procedures (Latchamsetty, Rakesh)(United States) 4: Catheter ablation for LV non-compaction (Li, Jian Ming)(United States)	**Ambulatory Monitoring (APHRS & ISHNE joint session)** Mods/Panels: Shankar, K Jai(India) 1: Standardization of Ambulatory Monitoring: What should we do? (Chantrarat, Thoranis) (Thailand) 2: Role of ECGI technologies to enhance arrhythmia management (Varma, Niraj)(United States) 3: P wave indices: improve stroke prediction in atrial fibrillation (Chen, Lin Yee)(United States) 4: Is there a role of patient self medicating and self monitoring? (Steinberg, Jonathan S.)(United States)	**Lead management mini symposium (III)** Mods/Panels: Starck, Christoph(Germany) Chan, Chi Wo (Hong Kong) 1: Necessary equipment and setup for lead extraction procedure (Goya, Masahiko) (Japan) 2: Different Entry sites approach (Lever, Nigel)(New Zealand) 3: Tips and tricks in snaring (Yamada, Takashi) (Japan) 4: Special considerations of lead extraction for pediatric patients (Shoda, Morio) (Japan)	**Genetic and basic mechanism of arrhythmogenic cardiomyopathies** - Mods/Panels: Murata, Hiroshige (Japan) Yoshida, Yoshinori (Japan) 1: Arrhythmogenic beta-Adrenergic Signaling in Cardiac Hypertrophy: Role of Small-Conductance Calcium-Activated Potassium Channels via Activation of CaMKII (Yokoshiki, Hisashi) (Japan) 2: Gene polymorphisms associated with tachycardia induced cardiomyopathy in patients with AF (Nakano, Yukiko) (Japan) 3: Genetic basis of DCM (Aiba, Takeshi) (Japan) 4: Liver X Receptor/Retinoid X Receptor Pathway in Pacing induced cardiomyopathy (Chen, Mien-Cheng) (Taiwan)	**Risk stratification of SCD: a case-based approach** Mods/Panels: Ikeda, Takanori (Japan) Pattanaprichakul, Supalerk (Thailand) 1: Risk stratification of J-wave syndrome: a case based approach (Takahashi, Naohiko) (Japan) 2: Risk stratification for HCM: a case based approach (Sy, Raymond) (Australia) 3: Role of non-invasive marker in SCD risk stratification: a case based approach (Takase, Bonpei) (Japan) 4: Myocardial fibrosis and risk of SCD: a case based approach (Shenasa, Mohammad)(United States)	**How to live arrhythmias free.** Mods/Panels: Sehli, Sharmila (Thailand) Park, Jin-Kyu (South Korea 1: Alcohol and arrhythmias (Hung, Chung-Lieh) (Taiwan) 2: Energy drinks: a new wave of cardiovascular harm. (Oto, Ali) (Turkey) 3: Exercise and arrhythmias: prevention or causation? (Elliott, Adrian) (Australia) 4: Proper diet to minimize risk for arrhythmias (Linz, Dominik) (Australia) 5: Sleep quality and arrhythmic risks (Tanawuttiwat, Tanyanan)(United States)	**Psychological Issues and End-of-life care** Mods/Panels: Irwin, Marleen E. (Canada) Mitsuhashi, Takeshi (Japan) 1: Psychological and life-style impact of an ICD shock (Mariani, Justin) (Australia) 2: Post ICD shock stress disorder: how to manage (Song, Susan L.)(United States) 3: End-of-life care for CIED patients: ethical and practical considerations (Gould, Paul) (Australia) 4: End-of-life care for CIED patients: Asian perspective (Maeda, Akiko) (Japan)	

Time	Convention Centre	Ballroom B	Ballroom A	Ballroom C	Lotus 13	Lotus 14	Lotus 15	Lotus 1-2	Lotus 3-4	Lotus 5-6	Lotus 7	Lotus 9	Lotus 10	Lotus 11	Lotus 12	Lotus 1-4
12:00-13:30 (Lunch Symposium)	**Abbott Medical** **Advanced Mapping and Ablation Strategies** Mods/Panels: Dr. Ming Long Chen(China), Dr. Chi Keong Ching (Singapore), Dr. Teiichi Yamane (Japan) 12:10 - 12:20 Opening 12:20 - 12:40 (5 minutes Q&A) Advancements in High Density Mapping Technology in AF Prof. Isabel Deisenhofer (Germany) 12:40 - 13:00 (5 minutes Q&A) High Density Mapping Techniques in Complex Arrhythmia Dr. Takanori Yamaguchi (Japan) 13:00 – 13:20 (5 minutes Q&A) Optimizing Ablation Protocols – How it is Changing My Practice Dr. Pasquale Santangeli (USA)	**Boston Scientific** **Customizing Electrophysiology Therapy** Mods/Panels: Dr. Nigel Lever |(New Zealand) Dr. Yoshihide Takahashi | (Japan) 12:10 - 12:13 Introduction 12:13 - 12:31 Single-shot therapies: RF & Cryo Balloon, Dr. Niraj Varma | Cleveland Clinic,)(United States)A 12:31 - 12:49 RHYTHMIA HDx with LUMIPOINT Technology Overview, Dr. Masaharu Masuda | (Japan) 12:49 - 13:07 Accelerating Clinical decisions by simplifying the analysis of ultra high density mapping)(United States)ing LUMIPOINT, Dr. Oussama Wazni | Cleveland Clinic,)(United States)A 13:07 - 13:09 Close	**Medtronic** **CRT: New Technologies and Techniques to improve Responder Rate** Mods/Panels: Dr. Kazuhiro Satomi (Japan) 12:00 Opening Remarks by Dr. Kazuhiro Satomi 12:00 Optimal Site Pacing (S QRS: New Parameter to Predict Responder) Dr. Daigo Yagishita (Japan) 12:20 Optimization aCRT (Algorithm and Evidence) Dr. Karthikeya Bhargava(India) 12:40 Optimization aCRT (Own Facility Experience + eCRT) Dr. Park, Seung-Jung (South Korea) 13:00 Experience of 200 ASQ cases Dr. K.K. Narayanan Namboodiri(India) 13:20 Discussion 13:30 End	**Johnson&Johnson** **Technology of tomorrow- To cure complex Atrial tachycardia-beyond PV1** **Mods/Panels:** Dr.Konlawee Nademane, Dr. Yasuo Okumura 12:20-12:40 Drivers mapping and Ablation for patients with persistent AF by Dr.Xingpeng Liu (Beijing Chao-Yang Hospital Capital Medical University) 12:40- 13:00 Technology of tomorrow with V7 Cartoprime (Coherant Mapping)- improved accuracy and optimized efficiency by Dr.YennJiang Lin(Veteran General Hospital) 13:00- 13:20 Technology of tomorrow with V7 Carto prime (Coherant mapping) – simplity the diagnosis of scar-related complex atrial arrhythmia by Dr.Koonlawee Nademanee (Bumrungrad Hospital)						Boehringer Ingelheim Efficacy, Safety and Control: Anticoagulation 3.0 : New Insights, New Approaches Mods/Panels: Pattarapong Makarawate, MD. (Thailand) 12:00-12:05 Opening Remarks 12:05-12:30 Anticoagulation and Your AF Patients : Bringing It All Together in Clinical Practice Razali Omar MD. Cardiologist, MY 12:30-12:50 Insights from RE-CIRCUIT investigator Prof. Hugh Calkins, MD. Cardiologist,)(United States)A 12:50-13:15 Closing the Circle with a Reversal Agent Pattarapong Makarawate, Cardiologist, TH 13:15-13.30 Panel discussion Closing Remarks	**Daiichi Sankyo** **Anticoagulation Strategy for Stroke Prevention of Patients with Non-Valvular Atrial Fibrillation** **Mods/Panels:** **Prof. Gregory YH Lip, MD.** **12:00-12.40 – Challenge in Anticoagulation Treatment for Stroke Prevention of Patients with Non-Valvular Atrial Fibrillation - High Risk Populations, Insights from ENGAGE AF by Prof. Robert Patrick Giugliano (40 mins)** **12.40-13.10 – Sharing Cases Based learning of Edoxaban)(United States)es in (Thailand) by Dr. Wanwarang Wongcharoen (30 mins)** **13.10-13.30 – Q&A (20 mins)**			**MicroPort CRM** **Challenges in arrhythmia patients : Atrial arrhythmia ablation, preventive CIED monitoring and suboptimal CIED longevity** **Mods/Panels:** **Pr Prashanthan Sanders, Adelaide, (Australia)** **Pr Koyoko Soejima, Tokyo, (Japan)** **12:00 Ablation of atrial tachycardia** **Dr Song Xudong - Guangzhou,(China)** **12:22 Subclinical AF detection in the CIED patient** **Pr Angelo Auricchio – Lugano, (Switzerland)** **12 :45 New insights from daily monitoring of OSA/AF in CIEDs** **A/Pr Dominik Linz – Maastricht, (Netherlands)** **13:07 Clinical and economic**		
13:30-14:30	**Debates: 1. His pacing vs CRT, 2. The "Wearables"; nonprescribed consumer ECG recordings and heart rate detectors: huge pain or huge opportunity? (APHRS/HRS)** Mods/Panels: Gold, Michael R.)(United States) Ching, Chi Keong (Singapore) 1: Patients with mid-range LVEF (35-50%) who require RV pacing should receive His bundle pacing. (Jongnarangsin, Krit)(United States) 2: Patients with mid-range LVEF (35-50%) who require RV pacing should receive CRT. (Mcgavigan, Andrew D.)(Australia) 3: Wearbles are huge pain. (O'Donnell, David) (Australia) 4: Wearables are huge opportunity. (Steinberg, Jonathan S.)(United States)	**Boston Scientific (Ensite Live Cases) RHYTHMIA HDx™ & LUMIPOINT™ Software Module** Abbott LIVE CASE FROM SIRIRAJ - 75 mins Dr. Sn Sundaram, Dr. Satchana Pumaprueg -Patient History & Diagnosis -Strategy&Approach -Selection of'Tools --AdvisorI HD Grid -'Tips andTricks for HD wave Mapping. CASE REVIEW AND PANEL DISCUSSION - 10 mins Moderator- Dr. Pipin Kojodjojo. Panel- Dr. Stuart Thomas, Dr. Shiro Nakabara Mods/Panels: Prof. Hiroshi Nakagawa –)(United States)A Dr. Jinlin Zhang -(China) 14:30 – 14:40 Lumipoint Overview 14:40 – 14:50 Patient History and Mapping Strategy 14:50 – 15:10 Mapping (back and forth between hospital and congress)	**Catheter Ablation for AF: lesson learned from major trials** Mods/Panels: Kalman, Jonathan (Australia) Mine, Takanao (Japan) 1: To live longer, whom should be ablated? (Wanna, Bassam)(United States) 2: To feel better, whom should be ablated? (Poole, Jeanne)(United States) 3: Ablation strategy: is less is more? (Verma, Atul) (Canada) 4: What should be the appropriate endpoints for AF ablation? (Chen, Shih-An) (Taiwan) 5: Catheter ablation of AF: Lessons from LGE-MRI (Chelu, Mihail)(United States)	**Antiarrhythmic Agents: the current and the new target** Mods/Panels: Cha, Tae-Joon (South Korea) Ohe, Masatsugu (Japan) 1: The influence of big data and genomics on drug development (Roden, Dan)(United States) 2: Ranolazine and ventricular arrhythmias (Daubert, James P)(United States) 3: The role of Ivabradine in ventricular arrhythmia (Chakraborty, Praloy) (Canada) 4: Role of Acacetin in Therapy of the J wave Syndromes (Antzelevitch, Charles)(United States)	**Topic Oral - Pediatrics** **Moderator** 13.30-13.45 Hazards of ventricular pre-excitation to left ventricular systolic function and ventricular wall motion in children: analysis of 25 cases Dai,Chencheng/China AP19-00022 13.45-14.00 Mixed Reality Improves Point Accuracy in Electrophysiology Procedures Silva,Jennifer N/USA AP19-00665 14.00-14.15 Validation and Utility of a Novel Mapping System in Ablation of Complex Arrhythmias in Adult Congenital Heart Disease: A Multicenter UK Study Sawhney,Vinit/ UK AP19-01173 14.15-14.30 Arrhythmias During Cardiac Catheterization Procedure for Congenital Heart Disease Suryaguna,Sakta/Indonesia AP19-01284	**4 abstract SVT** Mods/Panels: Pham, Tran Linh (Vietnam) Abe, Haruhiko (Japan) 13.30-13.45 Radiofrequency catheter ablation of Para-Hisian Accessory Pathways in children: Stradegy for mapping and ablation Liu, Lin (China) 13.45-14.00 Multiple Approaches for the Ablation of Atrial Tachycardia Originating from Right Upper Pulmonary Veins Xiong, Nanqing (China) 14.00-14.15 Preferential Conduction through Cavotricuspid Isthmus Revealed by Ultra High Resolution Mapping in Typical Flutter Cai,Cheng (China) 14.15-14.30 Ablation of CTI-Dependent Flutter Using a novel advanced Mini-Electrodes technology: preliminary results from LEONARDO registry MAGLIA,GIAMPIERO (Italy)	**Topic 3 abstract SVT** Moderator Park, Yae Min Benditt, David G. 13.30-13.45 Clinical Spectrum of Wolff-Parkinson-White Syndrome in Ebstein Anomaly: Insights into Electrophysiology and Catheter Ablation Tseveendee, Saruul (Mongolia) 13.45-14.00 Elective Cardioversion, Indications, Success and Complications. Five Year Experience in a Tertiary Care Hospital in Pakistan ahmed, intisar (Pakistan) 14.00-14.15 Transmural Activation Dynamics of the Sinus node in Structural Heart Disease: Mechanistic Insights for Arrhythmogenesis Parameswaran, Ramanathan (Australia)	**Anatomy for Electrophysiologist IV** Mods/Panels: Sharma, Rajat(India) Nakai, Toshiko (Japan) 1: Anatomy of the Pericardial Space and Mediastinum: Relevance to Epicardial Mapping and Ablation (Ernst, Sabine) (United Kingdom) 2: Simplified guide to understanding anatomy of congential heart disease (Ho, Siew Yen) (United Kingdom)	**ARVC: What's the latest?** Mods/Panels: Satish, O Sai Chan, Ngai-Yin (Hong Kong) 1: Diagnosis of Arrhythmogenic Right Ventricular Cardiomyopathy: Progress and Pitfalls. (Sy, Raymond) (Australia) 2: Personalized treatment for ARVC (Calkins, Hugh)(United States) 3: Real world practice of diagnosis and treatment of ARVC (Yao, Yan)(China) 4: Optimizing outcome with ablation (Marchlinski, Francis E)(United States)	**Bayer** **Practical points on selection of NOACs for patients with AF and CKD** Mods/Panels: Dr.Charn Sriratanasathavorn Opening and introduction (5 min) Moderator: Dr. Charn Srirattanasathavorn Practical points on selection of NOACs for patients with AF and CKD (40 min) Speaker: Prof. Atul Verma NOAC and renal outcomes in NVAF patient: What we have seen in (Thailand) Data? (10 min) Speaker: Dr. Thoranis Closing and Q&A (5 min) Moderator: Dr. Charn Srirattanasathavorn	**Saving more lives from out-of-hospital cardiac arrest (APHRS/EHRA)** Mods/Panels: Elsner, Christian(Germany) Niu, Hongxia(China) Mitamura, Hideo (Japan) 1: Setting up a first responder App system for the City of Bangkok: Special aspects, project plan and first results. (Khunkhlai, Nalinas) (Thailand) 2: An (health)economic view on the)(United States)e of First responder System combining mobile AEDs with First responder Apps in (Thailand) at the example of Bangkok. (Alexander Kleehaus Lecturer and Alexander Joost) () 3: Experiences with the european resuscitation registry - can we learn for potential success drivers of out-of-hospital cardiac arrest management in Bangkok/(Thailand)? (Graesner, Jan)(Germany) 4: Improving OHCA with a formal and structured response team: Asian perspective (Chen, Wen-Jone) (Taiwan)	**Abbott Medical** **CRT Response Optimization Summit** Mods/Panels: Dr Van Buu Dan Do (Vietnam), Prof. Roy Gardner (United Kingdom), Prof. Hung Fat Tse (Hong Kong) 13:30 13:50 How to Customize the CRT Optimization with MPP and SyncAV Prof. Kazutaka Aonuma (Japan) 13:50 14:10 Impact of MPP Electrode Location on Clinical Outcomes Dr. Michael Delaughter)(United States) 14:10 14:30 Approaches to Minimize the Struggles of Enabling MPP Prof. Xueying Chen(China)	**What can AF registries tell)(United States)?** Mods/Panels: Bai, Rong(China) Hagiwara, Nobuhisa (Japan) 1: Worldwide oral anticoagulation prescription registry: results from INTERAF (Potpara, Tatjana) (Serbia) 2: Discontinuation of anticoagulants after AF ablation: lesson learned from the registry (Okumura, Yasuo) (Japan) 3: Cardiovascular outcomes of AF patients: results from Fushimi registry (Esato, Masahiro) (Japan) 4: COOL AF (Winijkul, Arjbordin) (Thailand) 5: Real-world guidelines adherence for AF management: results from CODE-AF registry (Lee, Jung Myung) (South Korea)	**Biomarkers for AF and other arrhythmias (APHRS/JHRS)** Mods/Panels: Clare, Geoffrey(New Zealand) Aizawa, Yoshiyasu (Japan) Yamaji, Hirosuke (Japan) 1: AF Biomarkers: Oxidative Stress vs Inflammation (Shin, Dong-Gu) (South Korea) 2: Coagulant and fibrinolytics marker in AF (Kobayashi, Youichi) (Japan) 3: Platelet count and risk of stroke and bleeding in AF (Oh, Seil) (South Korea) 4: Impact of B-type Natriuretic Peptide Level on Risk Stratification of Thromboembolism and Death in Patients with Nonvalvular Atrial Fibrillation (Hayashi, Kenshi) (Japan) 5: Biomarkers monitoring in NOACs (Osanai, Hiroyuki) (Japan)	**Evaluation and Management of Arrhythmogenic Cardiomyopathies (I/II)** Mods/Panels: Makita, Naomasa (Japan) 1: The final common pathway (Towbin, Jeff)(United States) 2: Sodium channel cardiomyopathy: genetic and clinical spectrum (Ohno, Seiko) (Japan) 3: Genetic testing for Cardiomyopathies: Indications and Pitfalls (Ackerman, Michael J.)(United States)	
Break	**(Exhibition Hall)** **Coffee break, poster viewing and visit exhibition**															
15:00-16:30	**Debates: 1. Is LAAO beneficial for prevention of stroke in AF patient? 2. Is catheter ablation indicated in asymptomatic Brugada?** Mods/Panels: Chao, Tze-Fan (Taiwan) Yuniadi, Yoga (Indonesia) Heidbuchel, Hein (Belgium) 1: Y, LAAO is beneficial. (Doshi, Shephal)(United States) 2: N, LAAO is not beneficial. (Lip, Gregory YH) (United Kingdom) 3: Yes, catheter ablation is indicated in all asymptomatic BrS. (Pappone, Carlo) (Italy) 4: No, ablation is NOT indicated in asymp BrS. (Brugada, Pedro) (Spain)	**Boston Scientific** **Seminar Title RHYTHMIA HDx™ & LUMIPOINT™ Software Module** **Chair Prof. Hiroshi Nakagawa – USA** **Dr. Jinlin Zhang - China** **14:50 – 15:10 Mapping (back and forth between hospital and congress)** **15:10 – 15:20 Map Interpretation and Discussion** **15:20 – 15:25 Audience Q&A** **15:25 – 15:30 Case Summary and Closing**	**Working safely and happily in the EP lab.** Mods/Panels: Katekangplu, Peerapat (Thailand) Sakagami, Satoru (Japan) 1: How to work like a team (Lever, Nigel)(New Zealand) 2: How to be safe and make patients safer from radiation risk point (Rehani, Madan)(United States) 3: How to organize an arrhythmia unit (Liang, Shufen(Singapore) 4: The recommended standard for building, running, and staffing an EP lab (Haines, David)(United States) 5: Panels Discussion ()	**Update in Cardiac Rhythm Devices** Mods/Panels: Boddington, Dean(New Zealand) Saxena, Anil(India) Yamin, Muhammad (Indonesia) Chen, Yangxin(China) 1: The road to zero CIEDs infection rate (Wilkoff, Bruce L.)(United States) 2: What's new in CIEDs algorithms? (Daubert, James P)(United States) 3: ICD for primary prevention: is now the time to revise the indications? (Epstein, Andrew E.)(United States) 4: His bundle pacing: is it a new standard? (Vijayaraman, Pugazhendhi)(United States) 5: New techniques for His-Purkinje system pacing (Li, Shufeng)(China) 6: Predictors of post TAVR pacemaker dependent (Chu, Antony)(United States)	**New insights on mechanisms and treatment of AF** Mods/Panels: Brachmann, Johannes(Germany) Okumura, Yasuo (Japan) Baykaner, Tina)(United States) 1: Is there endo-epicardial dissociation in AF? (Gerstenfeld, Edward P.)(United States) 2: The new directions of AF rotors (Narayan, Sanjiv M.)(United States) 3: Molecular mechanisms underlying postoperative AF (Wehrens, Xander H. T.)(United States) 4: Information theory and AF: what can we learn about AF mechanisms? (Ganesan, Anand) (Australia) 5: AF and CKD: how are they related? (Akoum, Nazem)(United States) 6: Personalized monitoring of atrial electrical remodeling should enable stratification of patients progressing from paroxysmal to persistent atrial fibrillation (Jalife, Jose)(United States)	**7 abstract (VT)** **Kutyifa, Valentina Chin, Ashley** 15.00-15.15 Earlier PVC Transition Zone in V2 and V3 Predicts Higher Successful Rate of Left Ventricular Summit Ventricular Arrhythmias Radiofrequency Catheter Ablation HERDANTO,DWI YUDA (Indonesia) 15.15-15:.30 Clinical and electrophysiologic characteristics of ventricular arrhythmia arising from pulmonary cusps VIGNESH R,VICKRAM (India) 15.30-15.45 Carotid Baroreceptor Stimulation Suppresses Ventricular Fibrillation in Canines with Chronic Heart Failure Wang,Jing (China) 15.45-16:00 Predicting Ventricular Arrhythmia in Acute Myocardial Infarction from Surface Tridamayanti,Annisa (Indonesia) 16.00-16.15 Utility of novel Omnipolar activation maps for the detection of ventricular premature contraction origin Maeda, Shingo(Japan)	**6 abstract AF** Kobori, Atsushi Sukitpunyaroj, Damrong 15.00-15.15 Mid-term Results of Hybrid Atrial Fibrillation Ablation for Longstanding Persistent Atrial Fibrillation Lee, John (Australia) 15.15-15:.30 Ivabradine For Clinical Ventricular Rate Control of Symptomatic Persistent Atrial Fibrillation And Its De Novo Pro-Arrhythmogenic Risk Chan,Yap-Hang (Hong Kong) 15.30-15.45 BOX isolation versus extensive encircling pulmonary vein isolation in atrial fibrillation ablation Onishi,Naoaki (Japan) 15.45-16:00 Detection of risk factors for atrial fibrillation in patients of hypertrophic cardiomyopathy by electrocardiography and echocardiography SANGOLKAR,RAVINDRA (India) 16.00-16.15 A utility of automatic	**HCM: Diagnosis and Management** Mods/Panels: Lee, Sang Hee (South Korea) Oketani, Naoya (Japan) Jiampo, Panyapat (Thailand) 1: Genetic testing in HCM (Ingles, Jodie) (Australia) 2: Clinical Spectrum of HCM (Link, Mark S)(United States) 3: Selective Radiofrequency Catheter Ablation of Ventricular Septum in Hypertrophic Obstructive Cardiomyopathy (Jiang, Chenyang)(China) 4: Minimally invasive septal myomectomy for HCM (Damiano, Ralph)(United States) 5: AF and Stroke in HCM (Yang, Pil-sung) (South Korea) 6: SCD Risk Stratification (Borggrefe, Martin)(Germany)	**Update in mapping system and ablation technique for VT ablation** Mods/Panels: Cha, Myung-Jin (South Korea) Singh, Balbir(India) Dhanachai, Mantana (Thailand) 1: Non-invasive cardiac radioablation: a 10-min outpatient ablation (Cuculich, Phillip)(United States) 2: Feasibility of remote magnetic navigation system for VT ablation (Oh, Yong Seog) (South Korea) 3: Stereotactic radio surgery for VT: bail out procedure after failed catheter ablation (Kautzner, Josef) (Czech Republic) 4: Role of 3F catheter in mapping and ablating VT (Badhwar, Nitish)(United States) 5: Role of bipolar ablation for VT (Nazarian, Saman)(United States) 6: What's on the pipeline? (Wang, Paul J)(United States)	**Perioperative management of OACs** Mods/Panels: Nabar, Ashish(India) Wong, Christopher X. (Australia) Inoue, Keiji (Japan) Lee, Chee Wan (Singapore) 1: Perioperative management of OACs undergoing Cardioversion (Ezekowitz, Michael D.)(United States) 2: Perioperative management of OACs undergoing Left atrial ablation (Kim, Yoo Ri) (South Korea) 3: Perioperative management of OACs undergoing CIED implantation (Verma, Atul) (Canada) 4: Perioperative management of OACs of high-risk bleeding patient undergoing LAAO (Mansour, Moussa C.)(United States) 5: Perioperative management of OACs undergoing PCI (Giugliano, Robert P.)(United States) 6: Asian perspectives: do we bleed more? (Fukaya, Hidehira) (Japan)	**Non-PVI AF Ablation: when, why, and how** Mods/Panels: Choi, Kee-Joon (South Korea) Hama, Yoshiyuki (Japan) Nitta, Junichi (Japan) 1: Evidence of non-PV triggers:results from clinical trials (Wilber, David J.)(United States) 2: LAA ablation and ligation (Kuck, Karl-Heinz)(Germany) 3: Breakthrough and Isthmus Ablation : An alternative strategy for ablation of persistent atrial fibrillation (Allessie, Maurits) (Netherlands) 4: Role of MRI in atrial scars assessment (Wong, Tom) (United Kingdom) 5: Chemical ablation of the vein of Marshal (Yoshitani, Kazuyasu) (Japan) 6: Individually tailored box isolation of fibrotic areas in patients with AF recurrences despite durable PV isolation (Kottkamp, Hans) (Switzerland)	**Medtronic** **Emerging Leaders – Complex Arrhythmia Cases** Mods/Panels: Dr. Eric Prystowsky (USA) Dr.Eric Prystowsky (USA) will discuss complex cases with Prof. Young Hoon Kim (South Korea), Prof. Akihiko Nogami, (Japan), Prof. Shih-Ann Chen (Taiwan) & Prof. Chu-Pak Lau (Hong Kong)	**The current roles of subQ ICD** Mods/Panels: Tse, Hung-Fat (Hong Kong) Yuen, Sze Man Fiona (Hong Kong) Thachil, Ajit (India) 1: The current status of subQ ICD (Gold, Michael R.)(United States) 2: The latest update on technology and outcomes (Hood, Margaret)(New Zealand) 3: subQ ICD in inherited arrhythmia syndromes (Knight, Bradley)(United States) 4: subQ ICD in cardiomyopathy (Russo, Andrea)(United States) 5: Dealing with Inappropriate Shock(s) from subQ ICD (Paul, Vincent) (Australia) 6: Panel Discussion ()	**Atrial flutter revisited** Mods/Panels: Yuen, Ho Chuen (Hong Kong) Chadha, Niti(India) Lee, Sung Ho (South Korea) 1: Entrainment Mapping for atrial flutter (Iwasa, Atsushi) (Japan) 2: Approach to atypical flutter in normal structural heart (Lohawijarn, Watchara) (Thailand) 3: What should be the appropriate endpoint for atrial flutter ablation? (Kumawat, Kapil)(India) 4:)(United States)e of novel ablation catheter parameters in Cavo-Tricuspid Isthmus ablation. (Gould, Paul) (Australia) 5: New insights for mapping and ablating atypical flutter (Shah, Dipen) (Switzerland) 6:)(United States)e of imaging technique for ablation of AFL (Feld, Gregory)(United States)	**Evaluation and Management of Arrhythmogenic Cardiomyopathies (II/II)** Mods/Panels: Khongpatanayothin, Apichai (Thailand) 1: Left ventricular non-compaction: lethal arrhythmias or a benign condition (Semsarian, Chris) (Australia) 2: Role of ICD in LVNC (Towbin, Jeff)(United States) 3: Risk stratification for non-ischemic dilated cardiomyopathy (Chan, Kit Jacky) (Hong Kong) 4: Risk stratification in infantile cardiomyopathy (Dhillon, Santokh) (Canada) 5: Role of catheter ablation in inherited arrhythmogenic cardiomyopathy (Ouyang, Feifang)(China) 6: Panel Discussion ()	
Break																
16:45-17:45		**Post TAVR Cardiac Conduction Abnormalities (Joint session with CIAT)** Mods/Panels: Seow, Swee Chong (Singapore) Auricchio, Angelo (Switzerland) Chandavimol, Mann (Thailand) 1: How to predict and prevent conduction abnormalities from TAVR: the perspective from interventionists (Chandavimol, Mann) (Thailand) 2: Indications for pacemaker and CRT. (Aleong, Ryan)(United States) 3: New LBBB after TAVR: should I be worried? (Leclercq, Christophe) (France) 4: What do I do in real world practice? (Wongpraparut, Nattawut) (Thailand)	**Quiz show** Mods/Panels: Narayanan, Kumar (India) Te, Abigail Louise (Philippines) 1: (Hwang, Chun)(United States) 2: () 3: (Ngarmukos, Tachapong) (Thailand)	**CSPE Joint-session with APHRS 2019: His-Purkinjie conduction system pacing in patients with heart failure** Mods/Panels: Lau, Chu-Pak (Hong Kong) Huang, Dejia (China) 1: Physiologic Pacing: Today and Future (Vijayaraman, Pugazhendhi)(United States) 2: His-Purkinjie conduction system pacing in patients with heart failure: experience from(China) (Wei, Hua)(China) 3: His-Purkinjie system pacing correct LBBB for treatment of heart failue (Huang, Weijian)(China) 4: Synchronization of ventricular with His-Purkinjie system pacing (Zou, Jiangang)(China)				APHRS Immersion Program (MDT)				**Medtronic** **Emerging Leaders – Complex Arrhythmia Cases** Mods/Panels:Dr. Eric Prystowsky (USA) Dr.Eric Prystowsky (USA) will discuss complex arrhythmia cases with Dr. Balbir Singh(India) and Dr. Erika Maharani (Indonesia)				

Time	26 October 2019 (Saturday)															
	Convention Centre	**Ballroom B**	**Ballroom A**	**Ballroom C**	**Lotus 13**	**Lotus 14**	**Lotus 15**	**Lotus 1-2**	**Lotus 3-4**	**Lotus 5-6**	**Lotus 7**	**Lotus 9**	**Lotus 10**	**Lotus 11**	**Lotus 12**	**Lotus 1-4**
08:00-09:30	**Radiation Safety and Ergonomic in EP Lab** Mods/Panels: Kim, Young-Hoon (South Korea) Chan, Raymond HW (Hong Kong) Thomas, Joy(India) 1: The inconvenient truth of occupation health hazards in the EP lab (Haines, David)(United States) 2: Are cataract and cancers among EP/CATH lab operators a real risk? (Rehani, Madan)(United States) 3: How to reduce fluoroscopic time and radiation dosage in EP lab (Kautzner, Josef) (Czech Republic) 4: How to enhance ergonomic environment in EP lab (Ernst, Sabine) (United Kingdom) 5: Zero vs. Low Dose Fluoroscopy for Pediatric Ablation (Van Hare, George F)(United States)	**Concurrent Live Ablation Case: Persistent Atrial Fibrillation (I/III)** Mods/Panels: Hocini, Meleze (France) Oketani, Naoya (Japan) Seitz, Julien (France) Mangrum, Michael)(United States) 1: Live case presentation (Overall plan of AF strategy and mapping)(20 minutes) (Nademanee, Koonlawee)(United States) 2: Persistent AF ablation: Bordeaux approach (20 minutes) (Hocini, Meleze) (France) 3: Continued Live Case Discussion (All Panelists) (20 minutes) () 4: Persistent Ablation guided by Spatiotemporal Electrogram Dispersion: Marseille Approach. (20 minutes) (Seitz, Julien) (France)	**New Tools and Technology for AF ablation** Mods/Panels: Balsam, Pawel (Poland) Kumagai, Koichiro (Japan) 1: Cardiac Electroporation: a novel non-thermal energy source for AF ablation (Verma, Atul) (Canada) 2: Temperatured-controlled RF ablation for pulmonary vein isolation (Mansour, Moussa C.)(United States) 3: Expandable Lattice Electrode Ablation Catheter (Nakagawa, Hiroshi)(United States) 4: Update on Balloon technologies for AF ablation (Kuck, Karl-Heinz)(Germany) 5: Ablation index-guide PV isolation: A role of RF power (Okumura, Ken) (Japan) 6: Multi- electrode contact mapping plus ablation with single catheter (Kottkamp, Hans) (Switzerland)	**Syncope: pathophysiology and clinical management** Mods/Panels: Chan, Andy Wai-Kwong (Hong Kong) Kim, Dong-Hyeok (South Korea) Mizumaki, Koichi (Japan) 1: Evaluation and diagnosis of syncope: an overview (Link, Mark S)(United States) 2: Hemodynamic parameters and baroreflex sensitivity during head-up tilt test in patients with neurally mediated syncope (Kim, June Soo) Southy Korea 3: Neurohormones and pathophysiology of vasovagal syncope (Benditt, David G.)(United States) 4: Syncope vs epilepsy vs syncope-mimics ((Israel), Carsten)(Germany) 5: Pacemaker therapy in vasovagal syncope: when, why, and how?. (Roberts, Paul) (United Kingdom) 6: ICD indications in patients with unexplained syncope (Cannom, David S.)(United States)	**Emerging techniques for Ped arrhythmia** Mods/Panels: Dhillon, Santokh (Canada) Walsh, Edward P)(United States) Tsao, Sabrina (Hong Kong) 1: Advance in arrhythmia detection (15 mins) (Prabhu, Atul)(India) 2: Tachycardia ablation in ACHD)(United States)ing remote magnetic navigation (15 mins) (Yamashiro, Kohei) (Japan) 3: 3-D mapping in ablation of atrial tachyarrhythmia (15 mins) (Lee, Pi-Chang) (Taiwan) 4: Irrigated tip catheter ablation in pediatrics (15 mins) (Hessling, Gabriele)(Germany) 5: Pericardial access and epicardial ablation in pediatrics (15 mins) (Berul, Charles I.)(United States) 6:)(United States)ing cardiac CT and MRI enhance feasibility for radiofrequency ablation lesions for pediatric arrhythmias (15 mins) (Chungsomprasong, Paweena) (Thailand)	YIA 6 AF Mods/Panels: Noda, Takashi (Japan) Brachmann, Johannes(Germany) Kanjanuthai, Supaluck (Thailand) 8:00-8.15 Thoracoscopic Left Atrial Appendage Excision plus Atrial Fibrillation Ablation as a Secondary Prevention strategy against stroke: Initial Experience and Two Year Outcome data Wang, Zidun (China) 8.15-8.30 Diagnostic performance of a wearable ring-type device with deep learning analysis of photoplethysmography for detecting atrial fibrillation Lee,Euijae (South Korea) 8.30-8.45 The Role of Indonesian Herbal Medicine (Garcinia mangostana Linn Extract) For Controlling The Rhythm, Reducing Inflammation and Oxydative Stress In Patient's With Atrial Fibrillation : a Randomized Clinical Trial FADLAN,MUHAMAD RIZKI (Indonesia) 8.45- 9.00 Long-term PM2.5 exposure and the clinical application of machine	**Topic 5 abstract (General EP)** Moderator Takahashi, Yoshihide Jung, Byung 8:00-8.15 Electrocardiographic changes after TAVI: experience from a tertiary care centre in North India. Rashid, Wasim (India) 8.15-8.30 When Wellens' Syndrome Meets Brugada Phenocopy Raza,Haseeb Pakistan 8.30-8.45 Single center experience with High density mapping (HD grid catheter) for ablation of complex arrhythmias. Singh,Balbir (India) 8.45- 9.00 Near Zero X-Ray mapping approach with a novel ablation technology in SVT procedures: preliminary experience from the CHARISMA registry LUIGI,IAIA (Italy) 9.00- 9.15 Practice-specific process improvement interventions in diagnosis and adoption of pacemaker therapy in SND patients: Results from IMPROVE Brady study. Cheng,Alan (India)			**Approach to Idiopathic ventricular arrhythmias** Mods/Panels: Gunawardena, Rohan(Sri Lanka) Takatsuki, Seiji (Japan) 1: ECG to localize the origin of ventricular arrhythmia (Tada, Hiroshi) (Japan) 2: How to localize atypical idiopathic ventricular tachycardia (John, Bobby) (Australia) 3: Idiopathic ventricular arrhythmias: when to ablate (Nair, Mohan)(India) 4: mechanism and ablation for fascicular tachycardia involving proximal conduction system (Wang, Xunzhang)(United States) 5: Role of Intracoronary mapping and newer techniques (Tholakanahalli, Venkat N.)(United States) 6: Approach to polymorphic VT in structurally normal heart (Ueda, Akiko) (Japan)	**Wearable ICD** Mods/Panels: Kaur, Surinder(Malaysia) Nakazato, Yuji (Japan) Phan, Dinh Phong (Vietnam) 1: Technology overview (Paul, Vincent) (Australia) 2: Wearable ICD in post MI patients (Mela, Theofanie)(United States) 3: Wearable ICD in NICM and myocarditis (Kondo, Yusuke) 4: Wearable ICD as a bridge therapy during infection (Rosenthal, Lawrence)(United States) 5: Wearable ICD in LVAD patients (Kutyifa, Valentina)(United States) 6: Patient compliance and public understanding of wearable ICDs (Kishihara, Jun) (Japan)	**Ablation Strategies and skills in AF (Chinese Program; supported by CSPE and CSA)** Mods/Panels: Kuo, Jen-Yuan (Taiwan) Xia, Yunlong (China) Fu, Hua(China) 1: Long-standing Persistent AF Ablation Strategies (Lin, Yenn-Jiang) (Taiwan) 2: Ablation Strategies for Atrial Tachycardia Occurring After Pulmonary Vein Isolation (Cui, Kaijun)(China) 3: Treatment for Pericardial Tamponade Related to Catheter Ablation (Sun, Qi)(China) 4: Atrioesophageal fistula: Early Recognition, Prevention, and Treatment (Yang, Bing)(China) 5: Panel Discussion ()	**We Must Do Better - Advancing Global Arrhythmia Quality Outcomes (APHRS/EHRA/HRS)** Mods/Panels: Chao, Tze-Fan (Taiwan) Deering, Thomas)(United States) 1: Why Do We Need to Establish Robust Arrhythmia Management Outcome Programs? (Deering, Thomas)(United States) 2: How Can Risk Factor Modification Improve AF Medical and Ablation Outcomes? (Sanders, Prashnathan) (Australia) 3: Can We Create Programs to Anticoagulate all AF Patients Meeting Guideline Criteria for Anticoagulation? (Lip, Gregory YH) (United Kingdom) 4: Stroke Prevention of AF in Developing Countries (Raharjo, Sunu Budhi) (Indonesia) 5: What Does It Take To Improve AF Ablation Outcomes & Reduce Complications (Inoue, Koichi) (Japan) 6: Panel Discussion	**Autonomic Nervous System** Mods/Panels: Katekangplu, Peerapat (Thailand) Oh, Seil (South Korea) 1: Role of autonomic nervous system in AF (Choi, Eue-Keun) (South Korea) 2: Neuromodulation for AF (Po, Sunny S.)(United States) 3: Autonomic nerve activity and ventricular arrhythmias (Chinushi, Masaomi) (Japan) 4: Autonomic modulation for SCD (Tsai, Wei-Chung) (Taiwan) 5: Vagus Nerve Stimulation: A Promising Cardioprotective Strategy Against Ischemia/Reperfusion Injury (Shinlapawittayathorn, Krekwit) (Thailand) 6: Autonomic nervous system in critical care medicine and cardiac arrhythmia (Chen, Jien-Jiun) (Taiwan)	**Junior EP Session: Interesting SVT cases** Mods/Panels: Ching, Chi Keong (Singapore) Jackman, Warren M.)(United States) Chan, Ngai-Yin (Hong Kong) Badhwar, Nitish)(United States) 1: TBA (How, Ann Kee)(Malaysia) 2: TBA (Huntrakul, Anurut) (Thailand) 3: TBA (Boonrat, Sura) (Thailand) 4: TBA (Tat, Koh Keng)(Malaysia) 5: TBA (Leelapatana, Pattranee) (Thailand) 6: TBA (Swasdimanont, Janejira) (Thailand)	**Controversies in device therapy (MPP, CCM, His pacing, AVN abl+CRT, Optimal AVD, single PPM vs leadless)** Mods/Panels: Narasimhan, Calambur(India) Likittanasombat, Khanchit (Thailand) 1: (Lau, Chu-Pak) (Hong Kong) 2: (Gillis, Anne) (Canada) 3: (Vijayaraman, Pugazhendhi)(United States) 4: (Leclercq, Christophe) 5: (Kusumoto, Fred)(United States) 6: (Epstein, Andrew E.)(United States)
Break	**(Exhibition Hall)** **Coffee break, poster viewing and visit exhibition**															

10:00-11:00	**Artificial Intelligence & Machine Learning** Mods/Panels: Boonbaichaiyapruck, Sarana (Thailand) 1: Understanding AI and Machine Learning and the potential impact to healthcare system (Chaovalitwongse, Wanpracha) 2: Machine learning of atrial fibrillation (Narayan, Sanjiv M.)(United States) 3: Scaling arrhythmia care with AI, big data, and wearables: where will we be in 20 years? (Turakhia, Mintu) 4: Role of Artificial Intelligence for Guiding Atrial Fibrillation Substrate Ablation (Seitz, Julien) (France)	**Concurrent Live Ablation Case: Persistent Atrial Fibrillation (II/III)** Mods/Panels: Hocini, Meleze (France) Oketani, Naoya (Japan) Seitz, Julien (France) Mangrum, Michael)(United States) 1: Continued Live Case Discussion (All Panelists). (20 minutes) () 2: Electrogram guided ablation of Persistent AF: Kagoshima Approach. (20 minutes) (Oketani, Naoya) 3: Continued Live case discussion. (All Panelists) (20 minutes) ()	**Mapping and ablating atrial fibrillation in challenging situations** Mods/Panels: Deisenhofer, Isabel(Germany) Liu, Yu (China) 1: Mapping and Ablation of Non-PV Sources of AF: A Low-Tech Approach (Chugh, Aman)(United States) 2: Additional ablation of low-voltage areas after Box isolation (Kumagai, Koichiro) (Japan) 3: Super high-density mapping to identify PV-gap (Yamane, Teiichi) (Japan) 4: Post AF arrhythmia: how to approach (Thomas, Stuart) (Australia) 5: Atrial arrhythmia after posterior wall isolation (Kaneko, Shinji)	**Management of Bradycardia and Conduction Abnormalities** Mods/Panels: Hussin, Azlan(Malaysia) Hyun, Dae Woo South Kirea 1: How long of sinus pause is long enough to justify a permanent pacemaker? (Saksena, Sanjeev)(United States) 2: Sleep apnea in bradycardia: when to screen and how to manage. (Kusumoto, Fred)(United States) 3: AF and SND: whom to pace and whom to ablate (Morishima, Itsuro) (Japan) 4: Management of BBB and fascicular block (Clare, Geoffrey)(New Zealand)	**Hot Debates** Mods/Panels: Khongpatanayothin, Apichai (Thailand) Towbin, Jeff)(United States) 1: ICD for aborted cardiac arrest CPVT: Pros (Skinner, Jonathan)(New Zealand) 2: ICD for aborted cardiac arrest CPVT: Cons (Pflaumer, Andreas) (Australia) 3: ICD in pediatric DCM as primary prevention; adult guidelines is helpful? : Pros (Zimmerman, Frank)(United States) 4: ICD in pediatric DCM as primary prevention; adult guidelines is helpful? : Cons (Tsao, Sabrina) (Hong Kong)	**YIA 5 abstract AF** Mods/Panels: Chen, Minglong(China) Kobayashi, Youichi (Japan) Kim, Sung-Soon (South Korea) 10:00-10.15 Outcomes of Dragging Laser Application Using Endoscopic Laser Balloon Ablation System for Pulmonary Vein Isolation: Initial Experience at Single Center Sasaki,Yasuhiro (Japan) 10.15- 10.30 Alterations of resting heart rate and coefficient of variation of R-R interval after cryoballoon ablation in the patients with paroxysmal atrial fibrillation Araki,Suguru (Japan) 10.30- 10.45 Are occult phrenic nerve injuries occurred after the cryoballoon ablation? Unno,Kohei (Japan) 10.45- 11.00 Different Myocardial Biomarker and Inflammatory Reactions after Atrial Fibrillation Ablation among Various Catheter Ablation Devices. Yokoyama,Masaaki (Japan)	**Topic 4 abstract (CIEDs)** Moderator Toyama, Hideko Dobrev, Dobromir 10:00-10.15 Bipolar transseptal pacing reduces left ventricular dyssynchrony compared with unipolar para-left bundle branch pacing Jo Jo ,Hai (Hong Kong) 10.15- 10.30 Permanent left bundle branch pacing in patients with persistent left superior vena cava Qian,Zhiyong (China) 10.30- 10.45 Chronic Retrievability with a Leadless Pacemaker: A Worldwide Nanostim™ Experience Beurskens, Niek (United States) 10.45- 11.00 Reduced CIED Infections with an Antibacterial Envelope: Microbiologic Analysis of the WRAP-IT Study Wilkoff, Bruce L. (United States)			**How to ablate ventricular arrhythmias originating from specific sites** Mods/Panels: Zhong, Guoqiang Wilber, David J.)(United States) Hachiya, Hitoshi (Japan) 1: Right Ventricular Outflow Tract, Aortic Cusp and LV Summit (Yamada, Takumi)(United States) 2: Intramural Origin (Di Biase, Luigi)(United States) 3: Papillary muscles (Pathak, Rajeev) (Australia) 4: LV fascicles and His bundle (Nogami, Akihiko) (Japan)	**CPVT: Pathophysiological substrate & Risk Stratification** Mods/Panels: Bezzina, Connie R. (Netherlands) 1: CPVT: 25 years of research (Wilde, Arthur) (Netherlands) 2: Risk stratifications and long-term outcomes (Ohno, Seiko) (Japan) 3: Gene therapy in CPVT (Priori, Silvia G) (Italy) 4: Panel Discussion ()	**Abbott Medical** **EP Complex Case Summit** Mods/Panels: Prof. Young Hoon Kim (Korea), Prof. Chen Yang Jiang(China) 10:00 – 10:15 Complex Case Report 1: HD Mapping in Atrial Arrhythmia Dr. Yasushi Mukai (Japan) 10:15 – 10:30 Complex Case Report 2: Advisor™ HD Grid in Atrial Arrhythmia Post Surgery Dr. Kelvin Chua (Singapore) 10:30 – 10:45 Complex Case Report 3: Complex Ischemic VT – Ablation Strategy Dr. Sunu Budhi Raharjo (Indonesia) 10:45 – 11:00 Complex Case Report 4: Persistent AF post Maze Dr. Deepak Padmanabhan(India)	**Catheter ablation: Tools and Techniques** Mods/Panels: Apiyasawat, Sirin (Thailand) Han, Seongwook 1: How to set up for best EGM signals (Lee, Hyun Soo) (South Korea) 2: How to assist an epicardial ablation case (Soontornmanokati, Natcha) 3: Lesion formation from catheter ablation (Kato, Ritsushi) 4: Energy modalities for catheter ablation: what are the differences? (Lee, Chang-Hee) 5: Understanding the current technology of 3D mapping (Jacob, Benjamin)	4 abs (BS) Session Type: Abs - Oral Abstract 4 abs (BS) Topic: Abs BS Track: Time Allocation: 14+1mins/talk+QA Mods/Panels: Tsai, Chia-Ti (Taiwan) Chung, Cheng-Chih Yeh, Hung-I Antzelevitch, Charles)(United States) 1: () 2: () 3: () 4: ()	**AF ablation: is the epicardium the key to improve the result? I/II (APHRS/LAHRS)** Mods/Panels: Ashikaga, Keiichi (Japan) On, Young Keun (South Korea) 1: Endo-epicardial Myofiber Architecture and Arrhythmogenesis (Shivkumar, Kalyanam)(United States) 2: Impact of epicardial fat and electroanatomical remodelling (Mahajan, Rajiv) (Australia) 3: Re-defining LA Posterior Wall Isolation: Role of Septopulmonary Bundle (Saenz, Luis) (Colombia)	**ICD for primary prevention in HCM, Brugada, DCM: Differences in guidelines (APHRS/EHRA/HRS)** Mods/Panels: Juang, Jyh-Ming Jimmy Leclercq, Christophe (France) Hindricks, Gerhard(Germany) 1: HCM (Russo, Andrea)(United States) 2: Brugada (Cho, Yongkeun) (South Korea) 3: DCM (Kober, Lars) (Denmark) 4: Panel Discussion ()
11:00-12:00	**Genomic Editing** Mods/Panels: Likittanasombat, Khanchit (Thailand) 1: The new and CRISPR era of genomic editing (Hongeng, Suradej) 2: Genomic editing to prevent sudden cardiac death (Wehrens, Xander H. T.)(United States) 3: Future of gene therapy in clinical practice (Priori, Silvia G) (Italy)	**Concurrent Live Ablation Case: Persistent Atrial Fibrillation (III/III)** Mods/Panels: Hocini, Meleze (France) Oketani, Naoya (Japan) Seitz, Julien (France) Mangrum, Michael)(United States) 1: Persistent AF ablation guided by ECGI panoramic mapping: University of Virginia Approach. (20 minutes) (Mangrum, Michael)(United States) 2: Finishing Live Case, Round Table Discussion and Summary of the Live Case. (All panelists) ()	**Boston Scientific (LAAO Live Case)** **WATCHMAN™ Left Atrial Appendage Closure** Mods/Panels: Dr. Karen Phillips – (Australia) Dr. Surinder Kaur -(Malaysia) 11:00 – 11:05 Introduction & opening comments. 11:05 – 11:15 Dr Doshi/Mann: Introduction of cath lab team & Patient. LAA imaging review 11:15 – 11:40 Dr Phillips/Dr Surinder discussion areas during procedure with Dr Doshi/Dr Mann: - Patient selection; LAA anatomy review & discussion on potential device sizing/ Location of transseptal puncture & rational, -)(United States)e of single / double curve for LAA access & positioning of sheath in LAA - Device Sizing Selection including oversizing discussion, Device positioning - The evidence for LAAC in Asian	**Medtronic** **Micra Advanced Course: Challenging Cases & Patient Selection** Mods/Panels: 1. Dr. Kyoko Soejima, ((Japan)) 2. Dr. Xingbin Liu(China) 11:00 Opening Remarks and Status of Micra Dr. Kyoko Soejima (Japan) 11:05 Patient Selection -Which Patients other than AF Bradycardia should get the benefit from Micra? Dr. Balbir Singh (India)) 11:15 Case Presentation1 -Challenging Case in Asia Patients- Dr. Razali Omar(Malaysia) 11:25 Case Presentation 2 -Challenging Case in Asia Patients- Dr. Apichai Pokawattana ((Thailand)) 11:35 Panel Discussion (Speakers will play the role of panelists) - Patient Selection: What are the points for Micra patient selection? - Tips and Trick for safe procedure in challenging cases	**Sudden Cardiac Death in Children** Mods/Panels: Skinner, Jonathan(New Zealand) Blom, Nico (Netherlands) Kwok, Sit-Yee (Hong Kong) 1: Epidemiology of SCDs in the young (15 mins) (Lin, Ming-Chih) (Taiwan) 2: Ventricular Fibrillation in the Young: Causes and Outcomes (15 mins) (Silka, Michael)(United States) 3: Genetic testing for sudden cardiac arrest (15 mins) (Khongpatanayothin, Apichai) (Thailand) 4: Sport restriction in children with inherited cardiac disease; finding the right balance (15 mins) (Davis, Andrew M) (Australia)	**YIA 4 abs AF** Mods/Panels: Okumura, Ken (Japan) Harada, Masahide (Japan) Lin, Jiunn-Cherng (Taiwan) Wilber, David J.)(United States) 11.00-11.15 Endocardial-Epicardial Phase Mapping of Persistent Atrial Fibrillation: Enhanced Dissociation, Marked Conduction Heterogeneities and Driver Characteristics Parameswaran, Ramanathan (Australia) 11.15- 11.30 Real-time Localization of the Esophagus Using a Carto3 Mapping System During Radiofrequency Catheter Ablation of Atrial Fibrillation Wang,Haixiong (China) 11:30-11:45 The mid-term outcome of catheter ablation for atrial fibrillation in patients with hypertrophic cardiomyopathy WANG , Zhongzhen (China) 11.45- 12.00 The Association Between Hyperuricemia and Atrial Fibrillation Recurrence After Catheter Ablation Oseto, Hirotsuna (Japan) 12.00- 12.15 A Transient Drop in Blood	**Topic 5 abs CIEDs** Moderator Mien-Cheng Chen, 11.00-11.15 Electrophysiological Parameters and Anatomic Findings of Left Bundle Branch Pacing in an in vivo Canine Model Xueying Chen (China) 11.15- 11.30 The clinical application value of current of injury in left bundle branch pacing Professor Lan Su (China) 11:30-11:45 Characteristics and feasibility of left bundle branch pacing via a novel intraseptal technique in patients with left bundle branch block Huang,Weijian (China) 11.45- 12.00 Defibrillation Performance with the Substernal Extravascular Implantable Cardioverter Defibrillator: First-in-Human Haqqani,Haris (United State)			**Ablation of VF substrate in inherited arrhythmia syndromes** Mods/Panels: Hwang, Chun)(United States) Yadav, Niraj (India) 1: Epicardial mapping of LQTS patient (Yuniadi, Yoga) (Indonesia) 2: CPVT, an ablatable substrate? (Nogami, Akihiko) (Japan) 3: Ventricular fibrillation in Brugada syndrome: what kind of patients may benefit from endocardial approach? (Talib, Ahmed) IRAQ/(Japan) 4: Role of Non-invasive mapping (Cuculich, Phillip)(United States)	**BrS: Genetic & Pathogenesis** Mods/Panels: Gervacio, Giselle (Philippines) Kusano, Kengo (Japan) 1: Genetic Basis of Brugada Syndrome (Bezzina, Connie R.) (Netherlands) 2: Genotype & Phenotype Correlation in BrS (Shimizu, Wataru) (Japan) 3: The role of fibrosis (Behr, Elijah) (United Kingdom) 4: BrS & ARVC: are they in the same family? (Morita, Hiroshi) (Japan)	**Junior EP Session: Difficult CIEDs cases** Mods/Panels: Hayes, David)(United States) Lau, Chu-Pak (Hong Kong) Jaswal, Aparna(India) 1: TBA (Yamagata, Kenichiro) (Japan) 2: TBA (Pokawattana, Apichai) (Thailand) 3: TBA (Navaravong, Leenhapong)(United States) 4: TBA (Limprasert, Sarawuth) (Thailand) 5: TBA (Kittichamroen, Natchayathipk) (Thailand)	**Organizing a multidisciplinary clinics in electrophysiology** Mods/Panels: Middeldorp, Melissa Emma (Australia) Khurelbaatar, Mungun-Ulzil MONGOLIA Wongcharoen, Wanwarang (Thailand) 1: Multidisciplinary Team for AF management (Hendriks, Jeroen) (Australia) 2: The role of nursing care in HF patients with cardiac rhythm devices (Topaiboon, Paleerat) (Thailand) 3: Future concept of arrhythmia heart team (Imai, Katsuhiko) (Japan) 4: Cardiogenetic clinic: the necessity and practicality (Chockalingam, Priya)(India)	**Genetic and genomic in pathophysiology and management of AF** Mods/Panels: Khan, Amir Hameed PAKISTAN Hsieh, Yu-Cheng (Taiwan) 1: Genetic of AF: results from genome-wide screening (Tsai, Chia-Ti) (Taiwan) 2: Genetic Variants related to early-onset AF (Albert, Christine)(United States) 3: Prediction of atrial fibrillation by integrated assessment)(United States)ing genetic risk and acquired risk (Sasano, Tetsuo) (Japan) 4: Telomere length and risk of AF (Liu, Tong) (China)	**AF ablation: is the epicardium the key to improve the result? II/II (APHRS/LAHRS)** Mods/Panels: Ashikaga, Keiichi (Japan) On, Young Keun (South Korea) 1: Is there a Role for Epicardial Mapping and Ablation of AF? (Natale, Andrea)(United States) 2: How to Recognize and Treat Epicardial Connections During Peri-Mitral Flutter Ablation. (Garcia, Fermin)(United States) 3: Epicardial ablation strategy for a previously ablated patient (Kim, Young-Hoon) (South Korea)	**Mapping and ablating atrial arrhythmias in challenging situations** Mods/Panels: Mansour, Moussa C.)(United States) Matsuo, Seiichiro (Japan) Do, Van Buu Dan (Vietnam) 1: Difficult typical flutter (Feld, Gregory)(United States) 2: Atrial arrhythmia post surgical maze (Miyauchi, Yasushi) (Japan) 3: AT in a patient with adult congenital heart disease (Song, Mi-Kyoung) (South Korea)
12:00-13:30 (Lunch Symposium)			**Boston Scientific** **HeartLogic: a Multi-Sensor HF Diagnostic - Clinical Evidence and Integrating into your Practice** Mods/Panels: Dr. Katherine Fan | (Hong Kong) 12:10 - 12:13 Introduction 12:13 - 12:41 Advance Device Technology for Predicting Worsening Heart Failure 12:41 - 13:04 Incorporating HeartLogic Diagnostics into your Clinical, Dr. Scott McKenzie, (Australia) 13:04 - 13:06 Close	**Daiichi Sankyo** **Clinical Decision of NOACs in Regular Practice in Asian Population** Mods/Panels: Prof. Robert Patrick Giugliano, MD. 12:00-12.40 – Evidence vs. Experience on Appropriate NOAC Dosing: Clinical Decision of NOACs in Asian Population by Prof. Gregory YH Lip (40 mins) 12.40-13.10 – Cases Based Approach in Stroke Prevention emphasizing on the data of Edoxaban in Asian Patients by Dr. Pattarapong Makarawate (30 mins) 13.10-13.30 – Q&A (20 mins)						**Abbott Medical** **Managing Heart Failure** Mods/Panels: TBC, Dr. Yash LOKHANDWALA(India) 12:10 12:40 Heart Failure Management – Disease Progression & Latest LVAD Technology Dr. Choon Pin Lim (Singapore) 12:40 13:10 Evolving Concepts in CRT to Manage Heart Failure Prof. Werner Jung (Germany) 13:10 13:25 Improving Quality of Life with LVAD Dr. Sarinya Puwanant (Thailand) 13:25 13:30 Closing	**Medtronic** **Tachy: Present Solutions and Future Innovations** Mods/Panels: 1. Dr Rajeev Pathak (Australia) - Chair 2. Dr. Chun-Chieh Wang (Taiwan) - Panel 3. Dr. Dennis Lau (Australia) -Panel 12:00-12:10 Opening and faculty introduction Dr. Rajeev Pathak (Australia) 12:10–12:30 Evolving Ventricular ATP Therapy Dr. Masahiko Goya (Japan) 12:30–12:50 Transforming ICD Lead Design Mark Marshall, Sr Principal R&D Engineer Medtronic (USA) 12:50–13:10 Innovating the Extravascular ICD Dr. Geoff Clare(New Zealand) 13:10–13:30 Panel Discussion		**Johnson&Johnson** **Technology of today. To achieve higher AF success rate with surpoint (Ablation index)** Mods/Panels: Dr. Xingpeng Liu(China) Dr. Moussa Mansour (USA) 12:20-12:40 An optimized approach to AF ablation based on Surpoint(Ablation Index) by Dr.EueKeun Choi (Seoul National University Hospital) 12:40-13:00 Technology of today-)(United States)ers' experience on surpoint by Dr.Ken Okumura (Saiseikai Kumamoto Hospital) 13:00-13:20 Technology of today-)(United States)ers' experience on surpoint by Prof.Jonathan Kalman (Royal Melbourne Hospital)	**Bayer** **The bigger picture in stroke prevention and anticoagulation: think beyond atrial fibrillation** Mods/Panels: Dr. Thoranis Chantrarat (Thailand) Why does kidney function matter for cardiologist in patients with atrial fibrillation? (10 min) Speaker: Dr. Thoranis Chantrarat Managing your AF patient beyond stroke prevention: should we care for the kidneys? (35 min) Speaker: Prof. Atul Verma Navigating through Asian RWE Data in high risk NVAF patients (20 min) Speaker: Prof. Tze-Fan Chao Closing and Q&A (5 min)		
13:30-14:30	**Augmented reality and Virtual reality in medical education, research, and practice** Mods/Panels: Sriratanasathavorn, Charn (Thailand) Park, Junbeom (South Korea) 1: Personalized image-based simulation for research and treatment of cardiac arrhythmia: the "VIRTUAL HEART" approach (Trayanova, Natalia)(United States) 2: Synergy of AI and AR/VR for medical education (Haddawy, Peter) (Thailand) 3: Pulmonary vein isolation enhanced by augmented reality system (Balsam, Pawel) (Poland) 4: 3D holographic visualization of myocardial scar (Tschabrunn, Cory M.)(United States) 5: Mixed reality in EP procedures (Van Hare, George F)(United States)	**Concurrent Live Ablation Case: J-wave syndrome (I/II)** Mods/Panels: Haissaguerre, Michel (France) Nogami, Akihiko (Japan) Nakagawa, Hiroshi)(United States) Nademanee, Koonlawee)(United States) 1: Case presentation & Mapping Protocol & Strategy. (20 minutes) (Ngarmukos, Tachapong) (Thailand) 2: Characterization and time dependence of drivers maintaining VF in J-Wave Syndrome. (20 minutes) (Haissaguerre, Michel) (France) 3: Continued Live Case Discussion. (All panelists) (20 minutes)	**How to manage atrial fibrillation in an integrated manner: Easy as ABC (Avoid stroke; Better symptom management; Cardiovascular and comorbidity management) (APHRS/EHRA)** Mods/Panels: Liu, Xing-Peng(China) Lip, Gregory YH(United Kingdom) Kaitani, Kazuaki (Japan) 1: How to avoid stroke (Potpara, Tatjana) (Serbia) 2: How to control symptoms from AF (Elliott, Adrian) (Australia) 3: How to choose between rate and rhythm controls. (Wongcharoen, Wanwarang) (Thailand) 4: How to manage cardiovascular and comorbidities risk in AF patients (Lim, Toon Wei(Singapore)	**Abbott Medical** **(Japan) EP Insights** Mods/Panels: Prof. Hiroshi Tada (Japan), Prof. Wataru Shimizu (Japan) 13:30-13:45 HD Grid Experience in Biatrial Tachycardia Case Dr. Masato Murakami (Japan) 13:45-14:00 Optimal Lesion Size Index Data for AF Case Dr. Yoshio Furukawa (Japan) 14:00-14:15 Advisor™ HD Grid Application in Complex VT Case Dr. Keijiro Nakamura (Japan) 14:15-14:30 Advisor™ HD Grid Application in Complex AT Post Surgery Dr. Suguru Nishiuchi, (Japan)	**Chanelopathy and Genetic testing** Mods/Panels: Bezzina, Connie R. (Netherlands) Lin, Ming-Chih (Taiwan) Chiu, Shuenn-Nan (Taiwan) 1: Walk with your geneticist : New era of cardiac genetics (15 mins) (Kwok, Sit-Yee) (Hong Kong) 2: Loss-of-function SCN5A mutation in children: Not just Brugada syndrome (15 mins) (Blom, Nico) (Netherlands) 3: My patient has a RyR2 variant, what next? (15 mins) (Wilde, Arthur) (Netherlands) 4: QT dynamics in long QT syndrome (15 mins) (Takahashi, Kazuhiro)	**4 abstract (HF,SCD)** Mods/Panels: Mariani, Justin (Australia) Pham, Quoc Khanh (Vietnam) 13.30-13.45 Association leisure time physical activity with risk of primary cardiac arrest in the general population: a nationwide cohort study of the dose-response relationship Jin,Moo-Nyun (South Korea) 13.45-14.00 Clinical benefits of left bundle branch pacing in patients with left bundle branch block: a multicenter, prospective study Huang,Weijian (China) 14.00-14.15 Characteristics of Asia-Pacific Heart Failure patients with Cardiac Resynchronisation therapy: data from the AdaptResponse trial Kusano,Kengo (Netherlands) 14.15-14.30 Current Status of Guideline-Based Oral Anticoagulant Use in Thai Patients with Atrial Fibrillation Concomitant with Heart Failure Sriparn, Pajaree (Thailand)	**Topic 4 abstract(SCD CIEDs)** Moderator Jongnarangsin, Krit Gillis, Anne 13.30-13.45 The risk of ventricular arrhythmia in HCM patients with atrial fibrillation. Sun,Yaxun (China) 13.45-14.00 Performance of the Micra Transcatheter Pacemaker in Chinese Patients: A Comparison to the Global Experience Chen,Keping (China) 14.00-14.15 More efficacy and safety of bipolar catheter ablation than unipolar ablation in ventricular myocardium Zhang,Fengxiang (China) 14.15-14.30 A case of left ventricular endocardial pacing in cardiac resynchronization therapy with interventricular septum puncture HAO,SU (China)			**Medtronic** **Advances in EP Technology** Mods/Panels: Dr Raymond Sy (Australia) - Chair Dr. Lin, Yenn-Jiang Taipei Veterans General Hospital,(Taiwan) - Panel Initial Experience with the Arctic Front Advance Pro Cryoballoon Medtronic's 4th Generation cryoballoon & Dosing - Dr Jeff Alison (Australia) Fluoroless Cryo Procedural Techniques & Considerations -Dr Hong Euy Lim (South Korea) Introducing the Diamond Temp Ablation system - Dr Moussa Mansour (USA)	**BrS: risk stratifications and therapeutic options (APHRS/EHRA)** Mods/Panels: Singh, Balbir(India) Yodogawa, Kenji (Japan) 1: Asymptomatic BrS: what to do (Letsas, Konstantinos) (Greece) 2: Electrocardiographic indices for risk stratification in Brugada Syndrome (Tse, Gary) (Hong Kong) 3: Medical therapy in Brugada syndrome (Sahasthas, Dujdao) (Thailand) 4: Role of EP study and prophylactic ICD (Kurita, Takashi) (Japan) 5: Indication for catheter ablation (Conte, Guilio) (Italy)	**LQTs: Genetics, Pathophysiology, & Management (I/II)** Mods/Panels: Nguyen, Thanh Hai (Vietnam) Namboodiri, Narayanan(India) 1: Genetic substrate (Sikdar, Sunandan)(India) 2: Rare forms of LQTs (Choi, Jong-Il) (South Korea) 3: LQT1 and CPVT: the similarities and dissimilarities (Morita, Hiroshi) (Japan) 4: Gender Effect on the Genotype Phenotype Correlation among Congenital Long QT Syndrome Patients (Hu, Dan)(China)	**Challenging and Interesting CIEDs cases (I/II)** Mods/Panels: Saksena, Sanjeev)(United States) Li, Shufeng(China) Rosenthal, Lawrence)(United States) 1: Uncommon cause of syncope after 10 years of pacemaker implantation (Wiwatworapan, Weerapan) (Thailand) 2: His bundle pacing combined with AV nodal ablation in chronic AF with CRT-D (Huang, Weijian)(China) 3: Interesting leadless pacemaker implantation case (Jung, Werner)(Germany) 4: Ventricular arrhythmia in a patient with LVAD and ICD: a case based scenario (Talwar, K K)(India) 5: Tachycardia-bradycardia syndrome: catheter ablation or pacemaker? (Kou, Huijuan)(China)	**New insights in AF pathogenesis** Mods/Panels: Allessie, Maurits (Netherlands) Akoum, Nazem)(United States) 1: Arrhythmogenesis of pulmonary vein cardiomyocytes (Chen, Yi-Jen) (Taiwan) 2: Cellular and Molecular Mechanisms of AF in HF (Dobrev, Dobromir)(Germany) 3: Extracellular vesicles and nucleotides in pathogenesis of atrial fibrillation and its systemic complications (Sasano, Tetsuo) (Japan) 4: Latest understandings on the mechanism of persistent AF (Baykaner, Tina)(United States)	**Maheim Pathway** Mods/Panels: Khan, Amir Hameed PAKISATAN Solihin, Iyan (Indonesia) 1: The variant of Maheim pathway (Valaparambil, Ajit Kumar)(India) 2: How to diagnose (Lim, Eric Tien Siang(Singapore) 3: Mapping and ablating atriofascicular pathway (Vora, Amit)(India) 4: Diagnosis and management of nodoventricular pathway (Nagashima, Koichi) (Japan)	**Afternoon with Dr.David Hayes (I)** Mods/Panels: 1: Paced ECG Interpretation (Hayes, David)(United States)
Break	**(Exhibition Hall)** **Coffee break, poster viewing and visit exhibition**															
15:00-16:30	**Controversies in AF Ablation (TEE, ablation strategy, eso protection, anesthesia, OAC discont, AFL + PVI, and etc.)** Mods/Panels: Huang, Congxin(China) Sriratanasathavorn, Charn (Thailand) Jothiraj, Kannan (India) 1: (Liew, Reginald(Singapore) 2: (Natale, Andrea)(United States) 3: (Kuck, Karl-Heinz)(Germany) 4: (Takase, Tetsuro) (Japan) 5: (Ouyang, Feifang) (Hong Kong) 6: (Razali, Omar)(Malaysia)	**Concurrent Live Ablation Case: J-wave syndrome (II/II)** Mods/Panels: Haissaguerre, Michel (France) Nogami, Akihiko (Japan) Nakagawa, Hiroshi)(United States) Nademanee, Koonlawee)(United States) 1: How to Map and Ablate VF Triggers and Role Ripple Mapping in J-Wave syndrome. (20 Minutes) (Nogami, Akihiko) (Japan) 2: Continued Live Case Discussion. (All panelists) (20 minutes) () 3: Identification and Ablation of VF Substrates in J-Wave Syndrome. (20 Minutes) (Nakagawa, Hiroshi)(United States) 4: Finishing Live case, Round Table Discussion and Summary of the Live Case. (All Panelists) ()	**Risk factors and comorbidities management in AF** Mods/Panels: Hendriks, Jeroen (Australia) Iwasaki, Yuki (Japan) Davaakhuu, Narantuya Mongolia 1: Obesity and AF (Joseph, Stephen) (Australia) 2: Sleep apnea screening: When, why, and how (Linz, Dominik) (Australia) 3: Renal nerve denervation in AF with Htn (Smit, Jaap Jan) (Netherlands) 4: Targeted Education to improve outcome of AF patients (Heidbuchel, Hein) (Belgium) 5: Alternative models of care delivery in atrial fibrillation - the road to better patient outcomes (Gallagher, Celine) (Australia) 6: Cost-effectiveness and clinical effectiveness of risk factor management in AF (Pathak, Rajeev) (Australia)	**Thinking out loud: the latest CLAIMS, CONCEPTS, and CONTEROVERSIES in cardiac electrophysiology** Mods/Panels: Cannom, David S.)(United States) Bhuripanyo, Kiertijai (Thailand) 1: Thirty-second definition of AF should be revised. (Steinberg, Jonathan S.)(United States) 2: Polymorphic VT in Normal Heart and in Organic Heart Disease: A New look (Viskin, Samuel) (Israel) 3: In the era of precision medicine, clinical manifestations still matter the most. (Ackerman, Michael J.)(United States) 4: All EP catheres should be reused and reusable. (Selvaraj, Raja J)(India)	**My Best Challenging cases** Mods/Panels: Berul, Charles I.(Germany) Hessling, Gabriele(Germany) Nishiuchi, Suguru (Japan) Uhm, Jae-Sun (South Korea) 1: IART ablation in ACHD (Ban, Ji-Eun) 2: A case of successful defibrillation in a 11-year-old after S-ICD implantation (He, Lang)(China) 3: Interactive Case presentation JET (Dhillon, Santokh) (Canada) 4: ASDs and AF or 'Left-sided' congenital heart disease and AF (Ezzat, Vivienne) (United Kingdom) 5: AT ablation in children (Rohit, Manoj Kumar) 6: ()	**6 abstract (AF)** Mods/Panels: Lim, Toon Wei (Singapore) Yamane, Teiichi (Japan) 15.00-15.15 Patient characteristics associated with recurrence in patients with atrial fibrillation performed box shaped pulmonary vein isolation. Hasegawa,Shin (Japan) 15.15-15:.30 The Outcomes of Preliminary Study of Peri-procedural Corticosteroid Therapy for Preventing Early Recurrence of Atrial Fibrillation after Cryoballoon Catheter Ablation. Miyata,Tomohiro (Japan) 15.30-15.45 Lean Body Mass and Adiposity Increase the Risk of Atrial Fibrillation Mishima,Ricardo Sadashi (Australia) 15.45-16:00 The Association Between Left Atrial Strain and Left Atrial Voltage in Patients Undergoing Catheter Ablation for Atrial Fibrillation Takahashi,Yuya (Japan) 16.00-16.15 The Safety and Effectiveness of Pulmonary Vein Isolation with Standardized Ablation Index Workflow				**Complex accessory pathway: How to ablate** Mods/Panels: Minh, Ton That (Vietnam) Majumdar, Suchit(India) Hermanto, Dony Yugo (Indonesia) 1: How to recognize the presence of multiple pathways (Hirao, Kenzo) (Japan) 2: When the CS cannot be trusted (Setiadi, Benny Mulyanto) (Indonesia) 3: Septal pathway: how to prevent AV block (Wang, Xunzhang)(United States) 4: How to ablate in CS (Wong, Kelvin(Singapore) 5: Recurrent accessory pathway after multiple ablations: how to approach (Heaven, David) 6: Interesting Accessory pathway case (Mam, Chandara) (Cambodia)	**Catheter ablation for BrS: Targets & Techniques (APHRS/EHRA)** Mods/Panels: Inden, Yasuya (Japan) Vien, Hoang Long (Vietnam) Park, Yae Min (South Korea) 1: Ventricular arrhythmias ablation in BrS: Current and future (Brugada, Josep T) (Spain) 2: Thermal effect on the epicardial substrate in Brugada syndrome (Chung, Fa-Po) (Taiwan) 3: Ablation of VF triggers (Hocini, Meleze) (France) 4: Is epicardial ablation enough? (Yao, Yan)(China) 5: Long-term outcome (Aonuma, Kazutaka) (Japan)	**LQTs: Genetics, Pathophysiology, & Management (II/II)** Mods/Panels: Wilde, Arthur (Netherlands) 1: Genetype & Phenotype Correlation in congenital LQTs (Shimizu, Wataru) (Japan) 2: Long QT syndrome: Genotype to phenotype -(India)n experience. (Namboodiri, Narayanan)(India) 3: Whom should be treated and how? (Priori, Silvia G) (Italy) 4: Choice of beta blockers in LQTs (Chaturvedi, Vivek)(India) 5: Precision medicine approach (Limpitikul, Worawan)(United States) 6: Panel Discussion ()	**Challenging and Interesting CIEDs cases (II/II)** Mods/Panels: Chakraborty, Rabindra Nath(India) Chheav, Chantorador (Cambodia) Lam, Tse Fun Cathy (Hong Kong) 1: Tips and Tricks in handling difficult implantation cases (30 mins) (Love, Charles J.)(United States) 2: Management of high defibrillation threshold: a case based scenario (15 mins) (Kwak, Choong Hwan) (South Korea) 3: Approach to ICD replacement for ERI when LVEF has recovered: a case based scenario (15 mins) (Lee, Kathy Lai Fun) (Hong Kong) 4: Inappropriate ICD therapy revisited: How to avoid oversensing of repolarization electrograms (15 mins) (Maesato, Akira) (Japan) 5: Choice of pacemaker after tricuspid valve surgery: a case based approach (15 mins) (Hussin, Azlan)(Malaysia)	**Fibrosis and Remodelling in Atrial Fibrillation** Mods/Panels: Wanna, Bassam)(United States) Harada, Masahide (Japan) 1: Electrophysiological evidence of the progression of the AF substrate (Shah, Dipen) (Switzerland) 2: Inflammatory signaling in AF (Dobrev, Dobromir)(Germany) 3: Electroanatomical remodelling in AF: what are the triggers? (Mahajan, Rajiv) (Australia) 4: The role of SK channel in atrial myopathy of metabolic syndrome (Tsai, Wei-Chung) (Taiwan) 5: Reversing the 2nd factor and fibrosis in AF (Sanders, Prashnathan) (Australia) 6: The role of atrial fibrosis in guiding AF ablation, predicting outcomes, and measure responses. (Akoum, Nazem)(United States)		**Afternoon with Dr.David Hayes (II & III)** Mods/Panels: 1: Case Troubleshooting for pacemakers (Hayes, David)(United States) 2: Getting the most from CXR in the device patients (Hayes, David)(United States)
Break																
16:45-17:45										**APHRS Joint Session with WSA (World Society of Arrhythmia)** Mods/Panels: Zhang, Shu Ngarmukos, Tachapong (Thailand) 1: Guidelines of anticoagulation in patients with AF ablation. (Calkins, Hugh)(United States) 2: NOACs application in the perioperation of AF ablation. (Kim, Young-Hoon) (South Korea) 3: The)(United States)e of NOACs in patients after AF ablation: not just for convenience. (Pak, Hui-Nam) (South Korea) 4: Management of perioperative bleeding following NOACs)(United States)e. (Tse, Hung-Fat) (Hong Kong)						

Time	27 October 2019 (Sunday)															
	CC	ball B	ball A	ball C	Lotus 13	Lotus 14	Lotus 15	Lotus 1-2	Lotus 3-4	Lotus 5-6	Lotus 7	Lotus 9	Lotus 10	Lotus 11	Lotus 12	Lotus 1-4
08:00-09:30	**Plenary session on J-wave syndrome (1)** Mods/Panels: Brugada, Josep T (Spain) Shimizu, Wataru (Japan) 1: Genetic and pathophysiology of BrS (Wilde, Arthur) (Netherlands) 2: Risk stratifications of BrS (Behr, Elijah) (United Kingdom) 3: Catheter ablation for BrS: Milano Experience (Pappone, Carlo) (Italy) 4: Quinidine, Ablation or Do Nothing for Asymptomatic BrS (Viskin, Samuel) (Israel) 5: Panel Discussion ()									Can AF ablation be more productive and effective? Mods/Panels: Thomas, Stuart (Australia) Chandranegara, Agung Fabian (Indonesia) Tanimoto, Kojiro (Japan) 1: Shifting from volume-based to value-based care: A strategic approach (Deering, Thomas)(United States) 2: Tailored ablation strategy for individual patient (Letsas, Konstantinos) (Greece) 3: How to select the patients who would benefit the most from catheter ablation (Hindricks, Gerhard)(Germany) 4: Deep Learning of Artificial Intelligence in Predicting Trigger and Recurrence in Catheter Ablation (Chang, Shih-Lin) (Taiwan) 5: Cost effectiveness of AF ablation: A perspective from developing country (Antara, Putra) (Indonesia) 6: Panel Discussion ()	**ECGs Interpretation in patients with cardiac rhythm devices with Dr. C. (Israel)** Mods/Panels: Ashihara, Takashi (Japan) Liu, Xing-Peng(China) Tan, Vern Hsen (Singapore) 1: Ablation of AF drivers marked by spatiotemporal dispersions and Complex Fractionated Atrial Electrocardiograms (Smit, Jaap Jan) (Netherlands) 2: Index and Repeat AF Ablation Guided by ECGI mapping (Mangrum, Michael)(United States) 3: Realistic simulation modeling of AF ablation (Pak, Hui-Nam) (South Korea)	**Overcome challenging cases of AT/AFL/SVT** Mods/Panels: Kaneko, Shinji (Japan) Chen, Yung-Lung (Taiwan) 1: Mapping and ablating coronary sinus pathways (Selvaraj, Raja J)(India) 2: AVNRT in a twisted heart (Prasertwitayaki, Narawudt) (Thailand) 3: AT involving epicardial pathway (Fukamizu, Seiji) (Japan) 4: AT from aortic cusp (Bohora, Shomu)(India) 5: Ablation of difficult accessory pathways: tips and tricks (Po, Sunny S.)(United States) 6: Catheter Mapping and Ablation of Complex Atrial Tachycardias)(United States)ing High-Resolution Mapping Systems: Peals and Pitfalls (Nakagawa, Hiroshi)(United States)	**Updates in ECG findings and clinical correlation (I/II)** Mods/Panels: Shenthar, Jayaprakash(India) Suenari, Kazuyoshi (Japan) Tseveendee, Saruul Mongolia 1: ECG findings in athletes: physiologic or pathologic? (Luqman, Nazar) (Australia) 2: The dynamic of QT interval and how to measure it (Naik, Nitish)(India) 3: Early repolarization (J wave) ECGs in various clinical situations (Nishizaki, Mitsuhiro) (Japan) 4: Prognostic values of P-wave (Conte, Guilio) (Italy) 5: Cavotricuspid-Dependent Atrial Flutter in Patients With Prior Atriotomy: 12-Lead ECG Interpretation and Electroanatomical Characteristics (Wei, Ma)(China) 6: Lead I R-wave amplitude to differentiate idiopathic ventricular arrhythmias with left bundle branch block right inferior axis originating from the left versus right ventricular outflow tract.	**Ablation of ventricular arrhythmia from channelopathy or cardiomyopathy: an interesting case** Mods/Panels: John, Bobby (Australia) Tran, Tuan Viet Vetnam Jaswal, Aparna (India) 1: Ablation strategies for BrS: an interesting case (Kumagai, Koji) (Japan) 2: Ablation of VT in ARVC: an interesting case (Hosaka, Yukio) (Japan) 3: Ablation of VT in Chagas cardiomyopathy (Saenz, Luis) (Colombia) 4: Ablation of VT in myocardial tuberculosis (Saggu, Daljeet Kaur)(India) 5: VT in sarcoidosis: an interesting case (So, Yui-Chi) (Hong Kong) 6: VT in HCM: Better to do 'IT' now than later (Phoolpithayadhorn, Asadayudh) (Thailand)		**The future of CIEDs** Mods/Panels: Nishida, Taku (Japan) Mela, Theofanie)(United States) Chan, Chin Pang Gary (Hong Kong) 1: Cyber security of CIEDs: is it a real threat? (Kusumoto, Fred)(United States) 2: CRT vs His Bundle Pacing vs Left Bundle Pacing: where are we heading? (Saksena, Sanjeev)(United States) 3: What is the future of ICD trials? (Cannom, David S.)(United States) 4: The)(United States)e of AI and automation in remote monitoring to improve outcomes in patients with CIEDs (Campbell, Kevin)(United States) 5: Potential solution to global disparity of CIEDs therapy (Wei, Hua)(China) 6: Panel Discussion
Break	(Exhibition Hall) Coffee break, poster viewing and visit exhibition															
10:00-11:00	**Plenary session on J-wave syndrome (2)** Mods/Panels: Aonuma, Kazutaka (Japan) 1: BrS: Then and Now (25 Minutes/ talk + Q & A) (Brugada, Pedro) (Spain) 2: Early Repolarization Syndrome. (25 minutes/ talk + Q & A) (Rosso, Raphael) (Israel) 3: Outcomes of Catheter Ablations For Treatment of Symptomatic BrS: BRAVO Registry (10 minutes/ Talk + Q & A) (Nademanee, Koonlawee)(United States)									Ablation of ventricular arrhythmias in hemodynamically unstable patients: How to safely perform Mods/Panels: Pongbhaesaj, Piya (Thailand) Sekiguchi, Yukio (Japan) 1: How to choose the right patient for ablation (Soejima, Kyoko) (Japan) 2: How to map and ablate VT in hemodynamically unstable patients (Li, Jin Yi)(China) 3: How to map and ablate VF (Hocini, Meleton)(France) 4: How to ablate unstable VT on mechanical support (Hwang, Chun)(United States)	**Basic electrophysiology you need to know (before taking the board exam): part I** Mods/Panels: (Israel), Carsten(Germany) Saggu, Daljeet Kaur (India) 1: Cellular electrophysiology and arrhythmia mechanisms (Chong, Daniel)(Singapore) 2: SVT maneuvers: What do I need to know (Lokhandwala, Yashi)(India) 3: Top ten tracings you need to know (Apiyasawat, Siriri) (Thailand)	**Novel research and novel therapeutic of arrhythmia (I/II)** Mods/Panels: Choi, Jong-Il (South Korea) Armueypol, Montawatt (Thailand) 1: Machine Learning and Simulations Guide Therapies for Arrhythmias (Trayanova, Natalia)(United States) 2: Implantable bioelectronic devices for electrophysiological recording (Tschabrunn, Cory M.)(United States) 3: Development of implantable electronic device with wireless power recharging via ultrasound (Park, Hyung-Wook) (South Korea) 4: Stem cell and regenerative medicine (Shiba, Yuji) (Japan) 5: Optogenetic modulation of cardiac function (Lin, Shien-Fong) (Taiwan)	**Updates in ECG findings and clinical correlation (I/II)** Mods/Panels: El Rasyid, Hauda (Indonesia) Tseveendee, Saruul Mongolia 1: Update in ECG findings for risk stratification of SCD (Kaur, Surinder)(Malaysia) 2: 12 lead ECG in guiding CRT lead placements (Dora, Santosh Kumar)(India) 3: Pattern break in Lead V2 -a distinct clinical entity in outflow tract ventricular arrhythmias (Hayashi, Tatsuya) (Japan) 4: Electrocardiographic predictors of adverse outcome in Takotsubu cardiomyopathy (Hasija, Pradeep)(India)	**Junior EP session: Difficult AF and VT Ablation Cases** Mods/Panels: Okumura, Ken (Japan) Li, Cheng-Hung (Taiwan) Rosenthal, Lawrence)(United States) 1: (Chung, Fa-Po) (Vietnam) 2: (Lo, Li-Wei) (Taiwan) 3: (Lim, Eric Tien Siang)(Singapore) 4: (Chandrachammong, Sanitsara) (Thailand)		**When should AF be diagnosed? The insight from CIED recordings.** Mods/Panels: Turakhia, Mintu)(United States) Tan, Vern Hsen (Singapore) 1: Clinical significance of AHREs (Matsuo, Seiichiro) (Japan) 2: Should AF be diagnosed based on AF Burden? (Mela, Theofanie)(United States) 3: When and How to treat AHREs (Freedman, Ben) (Australia) 4: ()
11:00-12:00	**Closing Ceremony/Awards** 11.00 – 11.05 Greeting by MC 11.05 – 11.10 Closing Remark by Dr. Tachapong Ngarmukos Scientific Chairman of APHRS 2019 11.10 – 11.15 Next Host VDO Promote Speech by Prof. Hung-fat Tse Chairman of 13th APHRS & CardioRhythm 2020 11.15 – 11.30 Handover Flag Ceremony 11.30 – 11.40 Group Photo 11.45 End of Program									**New strategy to ablate AF** Mods/Panels: Ashihara, Takashi (Japan) Liu, Xing-Peng (China) Tan, Vern Hsen (Singapore) 1: Ablation of AF drivers marked by spatiotemporal dispersions and Complex Fractionated Atrial Electrocardiograms (Smit, Jaap Jan) (Netherlands) 2: Index and Repeat AF Ablation Guided by ECGI mapping (Mangrum, Michael)(United States) 3: Realistic simulation modeling of AF ablation (Pak, Hui-Nam) (South Korea)	**Basic electrophysiology you need to know (before taking the board exam): part II** Mods/Panels: Suenari, Kazuyoshi (Japan) Udyavar, Ameya(India) 1: Indications for cardiac rhythm devices implantation (Heaven, David)(New Zealand) 2: Approach to syncope ((Israel), Carsten)(Germany) 3: Pharmacologic and nonpharmacologic treatment of arrhythmias (Navaravong, Leenhapong)(United States)	**Novel research and novel therapeutic of arrhythmia (II/II)** Mods/Panels: Chung, Cheng-Chih (Taiwan) Hsieh, Yu-Cheng (Taiwan) 1: Pharmacogenitic Approaches for Treatment of Arrhythmias (Bezzina, Connie R.) (Netherlands) 2: Transforming growth factor-beta-mediated CD44/STAT3 signaling contributes to the development of atrial fibrosis and fibrillation. (Yeh, Yung-Hsin) (Taiwan) 3: Potential modulators for treatment of atrial arrhythmias (Lu, Yen-Yu) (Taiwan) 4: Electrical Storm and Heart Failure Worsening: Mechanistic and Therapeutic Considerations to Avoid Death in the Survivors (Tsuji, Yukiomi) (Japan)	**Controversies in SVT ablation** Mods/Panels: Fadregullan, Erdie (Philippines) Vasavakul, Taweekiat (Thailand) 1: One echo should be acceptable endpoint for AVNRT ablation (Dhali, Anil)(India) 2: All asymptomatic preexcitation should be routinely ablated if found during ablation of other tachycardia. (Wang, Xunzhang)(United States) 3: 3D Electroanatomical mapping is(United States)eful in a difficult SVT case. (Po, Sunny S.)(United States) 4: Panels Discussion ()	**Brugada/SUDS/SUNDS: gender and regional variations (Joint Session: APHRS & THRS)** Mods/Panels: Ramirez, Marcellus Francis L. (Philippines) Tanno, Kaoru (Japan) Kuo, Chi-Tai (Taiwan) 1: SUDS and SUNDS: The South-East Asia View (Behr, Elijah) (United Kingdom) 2: Cardiac events among asymptomatic BrS in the Phillipines (Gervacio, Giselle) (Philippines) 3: Gender difference in BrS (Juang, Jyh-Ming Jimmy) (Taiwan) 4: Genetic of BrS: Thai data (Makarawate, Pattarapong) (Thailand) 5: Prevalence and prognosis of Brugada ECGs among Han Chinese population in (Taiwan) (Lin, Jiunn-Lee) (Taiwan)		**Screening and Monitoring arrhythmias (Joint Session: APHRS/ISHNE)** Mods/Panels: Freedman, Ben (Australia) Wen, Ming-Shien (Taiwan) 1: Wearable monitoring and opportunistic screening: State of the art (Hu, Yu-Feng) (Taiwan) 2: Population based AF screening in (Thailand) (Suwanwela, Nijasri) (Thailand) 3: AF identification at scale: Insights from the Apple Heart Study (Turakhia, Mintu)(United States) 4: Panel Discussion ()