18 Feb 2009 (Wednesday)

EP Basics: From Concepts to Practice

08:00-09:30  Cellular Electrophysiology and Autonemics in Arrhythmogenesis
Chair: Christine Chiu-Man (Canada)
- Concepts of Action Potential, Refractory Period, Ion Currents
  Gil Gross (Canada)
- Mechanisms: Automaticity, Reentry, Triggered Activity
  Gil Gross (Canada)
- Role of Autonomic Dysfunction in Arrhythmogenesis
  Ralph Verdino (USA)

09:45-11:15  EP Studies: EGM Interpretation, Stimulation Protocols, and Troubleshooting
Chair: Kathy LF Lee (Hong Kong)
- Fundamentals of EGM Interpretation and Rhythm Analysis
  Christine Chiu-Man (Canada)
- Basic Stimulation Protocols and Electrophysiologic Evaluations
  Joshua Cooper (USA)
- Troubleshooting problems in the EP lab and Practice Cases
  Chang-Hee Lee (Korea)

11:30-13:00  SVT Substrates and Diagnosis in the EP lab
Chair: Jian-Ming Li (USA)
- AV node independent SVT: Substrates, Mechanisms and Recognition
  Dongsheng Gao (Canada)
- AV node dependent SVT: Substrates, Mechanisms and Recognition
  Ching-Tai Tai (Taipei)
- Workshop: Pacing Maneuvers and Drug Challenge in Differentiating SVT
  Craig Swygman (USA)

13:00-14:00  Lunch

14:00-15:30  Practical Approaches to VT Pathophysiology and Ablation
Chair: Hui-Nam Pak (Korea)
- VT Pathophysiology, Substrates and Mechanisms
  Stanley Tung (Canada)
- Identifying the anatomical origin of VT: ECG correlation and entrainment
  Yan Yao (China)
- Workshop: Mapping and Ablation Approaches for Difficult "VT"
  Boris Schmidt (Germany)

15:45-17:15  Anatomy, Fluoroscopy, Radiation Safety in the EP lab
Chair: Chang-Hee Lee (Korea)
- Review Essentials of Cardiac Anatomy in Electrophysiology
  Craig Swygman (USA)
- Anatomic and Fluoroscopic Views and Uses in the EP Lab
  Hui-Nam Pak (Korea)
- Understanding Radiation Physics and Safety Considerations in the EP Lab
  Joel Kirsh (Canada)
19 Feb 2009 (Thursday)
Device Therapy in Cardiac Rhythm Management

08:00-09:30  Basics of Cardiac Pacing
Chairs: Christine Chiu-Man (Canada), Akiko Kase (Japan)
- Evolving Indications for Pacing: From Heart Block to Heart Failure
  Lynne Foreman (USA)
- Understanding Hemodynamics of Pacing Modes
  Carsten Israel (Germany)
- Basics of Pacemaker Timing Cycles and Diagnostics: Uses and Interpretations
  Carsten Israel (Germany)
- Rate Adaptive Pacing: Sensors and Programming Approaches
  Euljoon Park (USA)

09:45-11:15  Advanced Pacemaker Programming and Troubleshooting
Chairs: Andy WK Chan (Hong Kong), Young Park (USA)
- Automatic Capture, Sensing Algorithms: Uses and Limitations
  Wei Hua (China)
- Recognition and Management of Pacemaker Mediated Tachycardia
  Susan Song (USA)
- Workshop: Case Studies of Complex Pacemaker Troubleshooting
  Marleen Irwin (Canada)

11:30-13:00  Advanced Pacemaker Programming Features
Chair: Young Park (USA)
- Understanding Automatic Timing Features and Using Them
  Mark Sweesy (USA)
- Atrial Arrhythmia Detection, Prevention and Therapy Algorithms: How Do They Work?
  Muhammad Munawar (Indonesia)
- Right Ventricular Pacing: The Evidence and Ways to Optimize for Patients
  Melanie Gura (USA)

13:00-14:00  Lunch

14:00-15:30  ICD: Basics and Beyond
Chairs: Christine Chiu-Man (Canada), Akiko Kase (Japan)
- Discrimination Algorithms: How Do They Work?
  Ji-Hae Yun (Korea)
- Single vs Tiered Therapy: When and For Whom?
  Melanie Gura (USA)
- ICD Diagnostics: Making the Most of Them
  Dulce Obias-Manno (USA)
- Workshop: Case-Based Approach of ICD Troubleshooting
  John Ip (USA)

15:45-17:15  Cardiac Resynchronization Therapy
Chair: Susan Song (USA)
- What You Need to Know About CRT Programming and Optimization
  Marleen Irwin (Canada)
- Understanding the Clinical Relevance of Heart Failure Diagnostic Data
  David Hayes (USA)
- CRT in heart failure: Emerging concepts and clinical insights into reverse remodeling
  Katherine Fan (Hong Kong)
08:30-10:00  Basic Course on Clinical Trials Research  
(Joint Session with Hong Kong Cardiac Nursing Association)  
Chairs: Sek-Ying Chair (Hong Kong), Marleen Irwin (Canada)  
- Understanding Basics of Research Study Designs  
  Robert Gow (Canada)  
- Design Principles and Phases of a Clinical Trial  
  Brian McCrindle (Canada)  
- Data Analysis and Interpretation  
  Ellen Pinnow (USA)  

10:30-12:00  Remote Monitoring: Good or Bad?  
Chair: Dulce Obias-Manno (USA)  
- Advances in Remote Monitoring: From Telephone Transmitter to Blue Tooth Technology  
  Renato Ricci (Italy)  
- Practical and Impractical Applications of Remote Monitoring  
  Jill Repoley (USA)  
- Management of Device Advisories through Remote Monitoring  
  Loredana Morichelli (Italy)  
- Improving Clinic Efficiency and Patient Compliance  
  Julie Shea (USA)  

13:00-14:00  Practical Tips in ECG Interpretation  
(Joint Session with Hong Kong Cardiac Nursing Association)  
Chairs: Sin-Hing Chiu (Hong Kong), June Huh (Korea)  
- ECG Interpretation Fundamentals & Arrhythmia Recognition Principles  
  Robert Gow (Canada)  
- Understanding ECG Features in ARVD, Long QT and Brugada Syndrome  
  Kazufumi Nakamura (Japan)
21 Feb 2009 (Saturday)
Allied Professional Sessions

08:30-10:00 Principles of Electronics in EP and Device
Chair: Cathy TF Lam (Hong Kong)
- Fundamental Electrical Relationships: Ohm’s Law, Strength Duration Curve, Resistances
  Mark Sweesy (USA)
- Principles and Applications of Electrical Circuits and Signal Theories in EP
  Graydon Beatty (USA)
- Defibrillation Waveforms and Capacitors
  Saeed Hosseini (Canada)

10:30-12:00 Management of Complex Arrhythmia Patients in ICU or ER
(Joint Session with Hong Kong Cardiac Nursing Association)
Chairs: Ming-Ming Lau (Hong Kong), Ji-Hae Yun (Korea)
- Arrhythmias in ACHD: Recognition and Management
  June Huh (Korea)
- Breaking the toxic cycle of CHF-AF-CHF
  William Lewis (USA)
- Arrhythmias in the critically ill ICU patients: Approach for rapid recognition & management
  William Lewis (USA)

12:00-13:00 Lunch

13:00-14:00 Conscious Sedation in EP
(Joint Session with Hong Kong Cardiac Nursing Association)
Chairs: Lynne Foreman (USA), Kam-Wai Lai (Hong Kong)
- Review of Drugs Used in IV Conscious Sedation and Their Possible Electrophysiologic Effects
  Simon Chan (Hong Kong)
- Monitoring Patient Outcome and Safety
  Chi-Wai Cheung (Hong Kong)
- Practical Workshop on Conscious Sedation
  Vivian Ng (Hong Kong)

14:00-15:30 Heart Failure Pathophysiology and Management Update 2009
(Joint Session with Hong Kong Cardiac Nursing Association)
Chairs: Camille Ho (Hong Kong), Elizabeth Stephenson (Canada)
- Biventricular Interactions in Acquired and Congenital Cardiomyopathies
  Andrew Redington (Canada)
- Understanding Clinical and Functional Measures of CHF
  Renato Ricci (Italy)
- How to Optimize Medical Management in Heart Failure
  Elaine Chau (Hong Kong)
- Stem Cell Research: Therapy for Heart Failure?
  Brenda Su (Canada)

16:00-17:30 AFib: Ablation and Patient Management Issues
Chair: Julie Shea (USA)
- AF Ablation Approaches: Advantages and Limitations
  Jennifer Cummings (USA)
- Patient Care and Monitoring Issues to Prevent Procedural Complications
  Li-Fern Hsu (Singapore)
- Essentials of Mapping / Imaging Technologies in AF Ablation
  Craig Swygman (USA)
- AF Ablation Energy Sources: RF vs Cryo
  David Siu (Hong Kong)