



ASIA PACIFIC HEART RHYTHM SOCIETY PHYSICIAN EDUCATION PROGRAM: CARDIAC RHYTHM DEVICE THERAPY

VIRTUAL REALITY & PROGRAMMING WORKSHOPS

Organized by APHRS



Sponsored by educational grant from St. Jude Medical



Course Directors:

Chu-Pak LAU, Hong Kong
Shu ZHANG, China

Faculty (in alphabetic order of surname):

Yat-Sun CHAN, Hong Kong
Katherine FAN, Hong Kong
Wei HUA, China
Yen-Bin LIU, Taiwan
Harry G MOND, Australia
Young-Keun ON, Korea
Sang-Weon PARK, Korea
Anil SAXENA, India
Swee-Chong SEOW, Singapore
Wee-Siong TEO, Singapore
Hung-Fat TSE, Hong Kong
Chun-Chieh WANG, Taiwan

Faculties will be added as appointed by Course Directors

MESSAGE FROM COURSE DIRECTORS:

Dear Colleague,

Greetings from APHRS! APHRS offers a comprehensive learning opportunity to help physicians proceed with continued education and upgrade implantation/follow-up skills on device therapy.

The purposes of APHRS Device Therapy Curriculum are to offer a comprehensive approach to treat cardiac arrhythmias using cardiac implantable electronic devices (CIED), and enhance the competencies and skills of participants on device implants and follow-ups. It includes theory and hands-on practices using virtual reality and programming simulation, providing a platform for interactions with faculty of experts. Certificate will be awarded by APHRS after completion of case log book in each module. This curriculum is the only physician education program in device therapy endorsed by APHRS. We are looking forward to seeing you in the program.

Chu-Pak LAU, Course Director, APHRS
Shu ZHANG, Course Director, APHRS

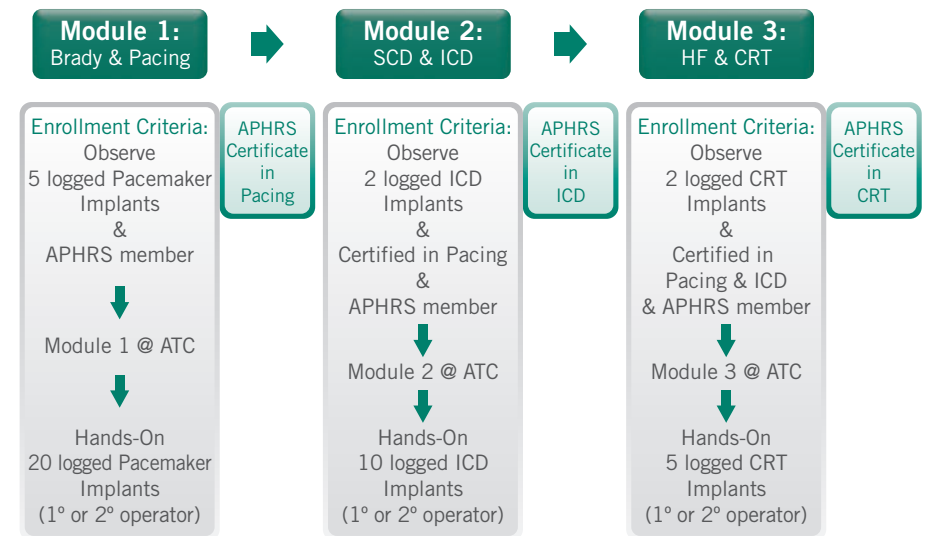
MISSION

APHRS Cardiac Rhythm Device Therapy Curriculum aims to provide better understanding of arrhythmia disease and to define different treatment options using cardiac implantable electronic devices (CIED). The curriculum consists of three modules, systematically from Pacing (bradycardia), ICD (sudden cardiac death) to CRT (heart failure).

The learning methodology will focus on preparations and active participation by means of:

- Pre-reading and completion of observation case log book before each module
- Didactic training
- Practical hands-on workshop on virtual reality and programming simulation
- Completion of implant case log book after each module before APHRS Certificate is awarded

CARDIAC RHYTHM DEVICE THERAPY CURRIULUM



Venue:

St. Jude Medical Advanced Technology Center Beijing

MODULE 2

SUDDEN CARDIAC DEATH & BASICS OF ICD

Criteria to attend and completion:

1. APHRS member
2. Physician treating patients with tachycardia, requiring more hands-on experience through virtual reality and programming simulation
3. Pre-Course: Recommended 20 pacemaker implants hands-on
4. Pre-Course: Recommended 5 ICD implants observation or hands-on
5. Subject to acceptance by Course Directors
6. Post-Course: Hands-on (as primary or secondary operator) minimum 10 ICD implants before receiving ICD Certificate from APHRS

Objectives:

Upon completion of this module participants will learn:

- The latest tachycardia therapies
- Updated indications for ICDs
- Functioning of single chamber and dual chamber ICDs
- Systematic follow-up of ICD
- Basic troubleshooting skill in ICD follow-up
- To perform ICD implant independently

Topics:

- Sudden cardiac death and guidelines for ICD implantation
- Implantation and defibrillation threshold testing and high DFTs
- Sensing and arrhythmia detection
- Arrhythmia therapy
- Virtual reality implant simulation
- How to avoid unnecessary ICD shock?
- ICD follow-up hands-on
- Troubleshooting and diagnostics
- ICD troubleshooting simulator workshop

Course Duration:

1.5 days

Registration Fee:

USD 3,000 (include accommodation, exclude flights)

APHRS Cardiac Rhythm Device Therapy

Module 2: Sudden Cardiac Death & Basics of ICD

Date of Module: _____

Participant Name: _____

Hospital: _____

Implant Details						Patient information			
Log Case	Date of Implant	Type of device (Single or dual ICD/ or CRT-D)	Observer only/ Primary or secondary operator	Hospital	Consultant in-charge	Name (Initial only)	Gender	Age	Indication for device implant

ICD Implant Observation Log book before the module

Recommended: 2 ICD Implants, Replacement, or Upgrades

1									
2									

ICD Implant Hands-On Log book after the module

Minimum requirement: 10 ICD Implants, Replacement, or Upgrades

1									
2									
3									
4									
5									
6									
7									
8									
9									
10									



MODULE 3

HEART FAILURE & BASICS OF CRT

Criteria to attend and completion:

1. APHRS member
2. Physicians treating patients with heart failure, requiring more hands-on experience through virtual reality and programming simulation
3. Pre-Course: Recommended 20 pacemaker and 10 ICD implants hands-on
4. Pre-Course: Recommended 2 CRT implants observation or hands-on
5. Subject to acceptance by Course Directors
6. Post-Course: Hands-on (as primary or secondary operator) minimum 5 CRT implants before receiving CRT Certificate from APHRS

Objectives:

Upon completion of this module participants will learn:

- Heart failure overview
- Heart failure therapy options
- Criteria for CRT patient selection with echo analysis
- Implant procedure and tips, trips and tools to perform safe and efficient CRT implants
- Optimization of CRT therapy and follow-up
- Decrease non-responders
- Basic troubleshooting skill in CRT follow-up
- To perform CRT implant independently

Topics:

- Heart failure and guidelines for CRT implantation
- Selection criteria: CRT-P or CRT-D?
- ECG understanding in CRT
- Pre-, peri- and post-procedural recommendations (steps to simplify implant with tips, tricks and tools)
- Virtual reality implant simulation: Hands-on session with CS cannulation and left ventricular lead placement
- Hands-on practice of guiding catheter slitting
- Follow-up of a CRT device
- Optimization to ensure optimal outcome
- CRT troubleshooting simulator workshop

Course Duration:

1.5 days

Registration Fee:

USD 3,000 (include accommodation, exclude flights)

APHRS Cardiac Rhythm Device Therapy

Module 3: Heart Failure & Basics of CRT

Date of Module: _____

Participant Name: _____

Hospital: _____

Implant Details						Patient information			
Log Case	Date of Implant	Type of device (CRT-P or CRT-D)	Observer only/ Primary or secondary operator	Hospital	Consultant in-charge	Name (Initial only)	Gender	Age	Indication for device implant

CRT Implant Observation Log book before the module

Recommended: 2 CRT Implants, Replacement, or Upgrades

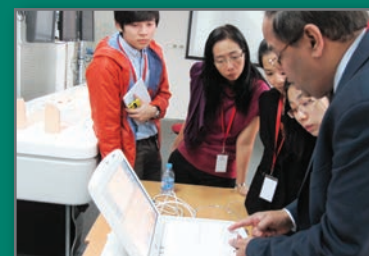
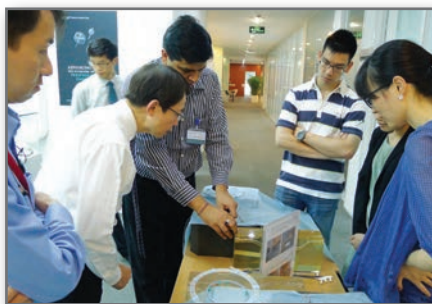
1									
2									

CRT Implant Hands-On Log book after the module

Minimum requirement: 5 CRT Implants, Replacement, or Upgrades

1									
2									
3									
4									
5									





Information and Registration:

Please contact APHRS secretariat for additional information and how to apply

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