FRIDAY, JUNE 29, 2018

6:45 a.m. Registration and Continental Breakfast

7:20 a.m. Welcome and Pre-test

Course Directors – Dr. Fred Kusumoto

Device Therapy: Basics, Guidelines, and Future Technologies

Moderator: Fred Kusumoto, M.D.

7:30 a.m. Indications for Pacing: Who to Pace and What type of Device

Raul E. Espinosa, M.D.

7:50 a.m. His Bundle Pacing and LV Only Pacing – Are we there yet for bradycardia indications?

Paul A. Friedman, M.D.

8:10 a.m. Leadless Pacing: What are the data?

Yong-Mei Cha, M.D.

8:30 a.m. Cases: Patient and Device Selection + Troubleshooting

Moderator: Fred Kusumoto (to bring 3-4 cases for discussion)

Panelists: Cha, Friedman, Espinosa + ARS

9:30 a.m. Refreshment Break

Pacemaker Controversies and Clinical Challenges

Moderator: Paul A. Friedman, M.D.

10:00 a.m. Device Implant Techniques and How to Prevent and Manage Implant Complications

Siva K. Mulpuru, M.D.

10:20 a.m. How to Avoid Device Infection Around the Time of Implantation

Rizwan Sohail, M.D.

10:40 a.m. Managing Anticoagulants (Warfarin and DOACs) Around the Time of Device Implant: Stop, Bridging or Continue?

Fred Kusumoto, M.D.

11:00 a.m. Performing MRI in Device Patients Per New Guidelines

Paul A. Friedman, M.D.

11:20 a.m. Panel Discussion and Questions

Drs. Mulpuru, Sohail, Kusumoto, Friedman

11:45 a.m. Lunch Break
Implantable Cardioverter Defibrillator
Moderator: YM Cha, M.D.

1:00 p.m. ICD for Sudden Death Prevention in 2017: Indication, DFT, and More
Win-Kuang Shen, M.D.

1:20 p.m. How to Optimally Program ICDs
Charles D. Swerdlow, M.D.

1:40 p.m. Lead Performance and Management: What the New Guidelines Say
Fred Kusumoto, M.D.

2:00 p.m. Extravascular ICDs: Current and Future State
YM Cha, M.D. (I could do if YM prefers)

2:20 p.m. How to Manage AF Detected During Remote Monitoring of Pacemakers and
Defibrillators Peter A. Noseworthy, M.D.

2:40 p.m. Panel Discussion and Questions
Drs. Shen, Kusumoto, Friedman, and Swerdlow

3:00 p.m. Adjourn

Saturday, June 30, 2018

6:45 a.m. Continental Breakfast

7:00 a.m. Early Bird Session:
Interesting ECG’s: Pacing and CRT Peter A. Noseworthy, M.D.

7:40 a.m. Daily Overview
Fred Kusumoto, M.D.

Cardiac Resynchronization Therapy (CRT)
Moderator: Yong-Mei Cha, M.D.

7:45 a.m. Who Benefits the Most from Cardiac Resynchronization Therapy (CRT): Current Guidelines?
Ulrika Birgersdotter-Green, M.D.

8:05 a.m. How to Improve CRT Response and Manage Non-responders: From LV Lead Placement to
Maximize Biventricular Pacing TBD
8:25 a.m.  Is there a role for Endocardial or Epicardial non-venous CRT? From Jurdham to LV seed to Epicardial Leads  
*Samuel J. Asirvatham, M.D.*

8:45 a.m.  The Great Debate: His Bundle Pacing Should be Used Instead of an LV Lead for Patients with a CRT Indication  
**Pro:** Siva K. Mulpuru, M.D.  
**Con:** Win-Kuang Shen, M.D.

9:10 a.m.  Refreshment Break

**Cardiovascular Implantable Electronic Device Infection and Lead Extraction**  
Moderator: *Paul A. Friedman, M.D.*

9:30 a.m.  Differential Diagnosis and Management of a Painful, Red or Swollen Pocket  
*Raul E. Espinosa, M.D.*

9:50 a.m.  CIED Infection: Diagnosis and Treatment  
*M. Rizwan Sohail, M.D.*

10:10 a.m.  Lead Extraction: Indication, Technical Challenge, and Outcomes  
*Michael J. Osborn, M.D.*

10:30 a.m.  Role of Cardiac Imaging in CIED infection  
- Nuclear - Panithiya Charantatwee, M.D.  
- Echo - Raul Espinosa, M.D.

10:50 a.m.  Interesting Cases  
**Moderator:** Mulpuru (bring 3-4)  
**Panelists:** Espinosa, Sohail, Osborn, Chartaitawee, Green

11:15 a.m.  Working Lunch – Pickup lunch return to meeting room

**Case-Based Presentations**  
Moderator: *David L. Hayes, M.D.*

11:30 a.m.  Pacing After TAVR?  
*Yong-Mei Cha, M.D.*

11:45 a.m.  Is this Lead Fractured?  
*Charles D. Swerdlow, MD*

12:00 p.m.  Is this patient infected or allergic? *David L. Hayes, M.D.*

12:15 p.m.  22 yo Female Has Recurrent Neurocardiogenic Syncope: Is There a Role for Pacemaker?
June 29 to July 1

Win-Kuang Shen, M.D.

12:30 p.m.  Panel Discussion:  
*Drs. Swerdlow, Cha, Shen, Sohail*

12:40 p.m.  Stretch/ Break

Cardiac Anatomy for Implanters and Safe Lead Extraction

12:30 p.m.  Cardiac Anatomy to Guide Device Implant: with Focus on LV leads, and His bundle Pacing  
*Samuel J. Asirvatham, M.D.*

1:00 p.m.  Hands-on Cardiac Anatomy Session  
*Samuel J. Asirvatham, M.D.*

3:00 p.m.  Adjourn

**SUNDAY, JULY 1, 2018**

6:45 a.m.  Continental Breakfast

7:00 a.m.  Early Bird Session:  
Common Device Troubleshooting: Case Presentations  
*RN cases (1 MN, 1 JAX, 1 AZ)*

7:45 a.m.  Post Test

CIED Programming and Trouble Shooting  
Moderator: *Yong-Mei Cha, M.D.*

8:00 a.m.  When should pacemakers or ICDs be turned off? End of Life Decisions  
*David L. Hayes, M.D.*

8:30 a.m.  Lead Management Cases: Extraction, Venoplasty, and Abandonment  
*Ulrika Birgersdotter-Green, M.D.*

8:55 a.m.  PMM/CRT Troubleshooting  
*David L. Hayes, M.D.*

9:40 a.m.  ICD/CRT Troubleshooting  
*Charles D. Swerdlow, M.D.*

10:20 a.m.  Device Troubleshooting – Audience cases  (I will bring some if we don’t receive – but we could encourage audience to send cases ahead of time and then we could review/edit for presentation – and discuss as panel)
Moderator: Paul A. Friedman, M.D.
Panel: Kusumoto, Hayes, Swerdlow, Cha

10:55 a.m. Closing Remarks
Fred Kusumoto, M.D.

11:00 a.m. Adjourn