Mayo Clinic 6th Annual Heart Rhythm & ECG Course  
A Case Based Approach  

December 7 - 10, 2017

Thursday, December 7

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tr>
<td>6:50</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>7:15</td>
<td>Welcome and Introduction</td>
<td>Komandoor Srivathsan, MD</td>
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<td>7:30</td>
<td>Localization of MI with corresponding angiograms</td>
<td>Komandoor Srivathsan, MD</td>
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<td>7:55</td>
<td>SVT cases: Recognition with Examples</td>
<td>Stephen Hammill, MD</td>
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<td>8:20</td>
<td>VT recognition: How to Improve Certainty?</td>
<td>Dan Sorajja, MD</td>
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<td>8:45</td>
<td>Idiopathic vs Structural VT: Case examples</td>
<td>Paul Friedman</td>
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<td>9:10</td>
<td>Questions and Answer</td>
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<td>9:30</td>
<td>Refreshment Break</td>
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<td>10:00</td>
<td>Atrioventricular Conduction Abnormality: Case examples</td>
<td>Stephen Hammill, MD</td>
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<td>10:25</td>
<td>Case examples of Chamber Abnormalities</td>
<td>Luis Scott, MD</td>
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<td>10:50</td>
<td>A flutter and Pre-excited Atrial Fibrillation: Improve Diagnostic Certainty</td>
<td>Win Shen, MD</td>
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<td>11:15</td>
<td>Metabolic Changes, Ion Channel Problems and Unusual Problems</td>
<td>Siva Mulpuru, MD</td>
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<td>11:40</td>
<td>Twenty ECG Patterns to Recognize?</td>
<td>Komandoor Srivathsan, MD</td>
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<td>12:15</td>
<td>Questions and Answers</td>
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<td>12:30</td>
<td>Lunch on your own</td>
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Optional Additional ECG Workshop: Read ECG with the Master
(Lunch provided to optional registrants)

Stephen Hammill, MD; Win-Kuang Shen, MD; Siva Mulpuru, MD; Dan Sorajja, MD and Komandoor Srivathsan, MD
Presenter: Stephen Hammill, MD
Commentary - Win-Kuang Shen, MD; Komandoor Srivathsan and Dan Sorajja, MD
(Live interactive session)

Friday, December 8

Atrial Fibrillation
Moderator: David Spragg, MD and Komandoor Srivathsan, MD

7:30 a.m. Atrial Fibrillation: Sleep Apnea and Risk Factor Changes. A Case Review
Paul Friedman, MD

7:55 Rate Control Options - Medications and AV Nodal Ablation: Does strict rate control matter?
Win Shen, MD

8:20 Guideline directed medications for maintaining Sinus rhythm
David Spragg, MD

8:45 Optimal Cases for Ablation?
Komandoor Srivathsan, MD

9:10 Stroke in Atrial Fibrillation - Guidelines for Anticoagulation
Dan Sorajja, MD

9:35 Panel Discussion

10:00 Refreshment Break

10:30 Thoracoscopic Mini Maze: Should it be performed after one failed percutaneous ablation?
Dawn Jaroszewski, MD

10:55 Atrial Fibrillation: Debates
Moderator: Stephen Hammill, MD

Anticoagulation: Coumadin is the best if TTRs are great
Pro: Fred Kusumoto, MD
Newer anticoagulants are better than Coumadin
Con: David Spragg, MD

11:30 Ablation should be first line therapy
Pro: David Spragg, MD
Con: Ablation should only be performed if medications fail
Win Shen, MD

12:00 noon Atrial fibrillation with recurrent bleeding. Control bleeding source or close appendage?
Tom Munger, MD

Lunch on your own

1:00 – 3:00 Optional Additional Difficult ECGs
(Lunch provided to optional registrants)
Presenter: Komandoor Srivathsan, MD
Panel: Stephen Hammill, MD and Siva Mulpuru, MD

Presenters: Multiple cases presented (Live, interactive)

Saturday, December 9

6:50 a.m. Continental Breakfast

7:00 Early Bird Special Session I
Review of Interesting ECGs
Komandoor Srivathsan, MD

Ventricular Arrhythmias
Moderator: Paul Friedman, MD

7:30 Implantable defibrillator primary prevention of sudden death. What do the guidelines say?
Kenneth Ellenbogen, MD

7:55 Sudden Death in the Young: Evaluation
Siva Mulpuru, MD

8:20 Incessant VT: How did I manage? A Case review
Fred Kusomoto, MD

8:50 PVCs and Cardiomyopathy: A Case review
Win Shen, MD

9:15 Panel Discussion

09:30 Refreshment Break

10:00 Channelopathies: What should a generalist know?
Komandoor Srivathsan, MD

10:25 When do you request a consult for further management with a heart rhythm doctor for nonsustained VT
Fred Kusomoto, MD
10:50  Preemptive VT ablation improves outcome in patients with structural heart disease
Ken Ellenbogen, MD

11:20  Ventricular fibrillation without structural heat disease
Dan Sorajja, MD

11:45  Case Based Workshop:
Moderator: Ken Ellenbogen, MD
Panelists: Win Shen MD, and Komandoor Srivathsan, MD

Case presentation: Electrical storm
Siva Mulpuru, MD

12:30 PM  Lunch on your own

1:00 – 3:00  Optional Intracardiac Electrogram/Pacemaker Case Based Workshop (20 minutes each)
Panelists: Win Shen, MD and Komandoor Srivathsan, MD

Presenters: Dan Sorajja, MD; Siva Mulpuru, MD and Robert Fisher, MD and Linda Schwartz
(total Cases- one case each)

Sunday, December 10

6:50 a.m.  Continental Breakfast

7:00  Early Bird Special Session: Learning from the 12-lead ECG
Win Shen, MD
Moderator: Komandoor Srivathsan, MD

7:30  POTS and Inappropriate sinus tachycardia cases; How did I manage?
Win Shen, MD

7:55  Anticoagulation management in patients undergoing procedures with warfarin and NOACs
Dan Sorajja, MD

8:20  Young patient with recurrent syncope: How to differentiate benign from serious
Luis Scott, MD

8:45  Event recorder, Holter or Implantable Loop recorder: Case examples of which should one choose?
Dan Sorajja, MD

9:10  Panel Discussion

9:30  Refreshment Break

10:00  Sudden death in HCM and Screening
Tom Munger, MD

10:25  Heart failure and Biventricular Devices: What is the data?
      Siva Mulpuru, MD

10:50  Remote monitoring helped these patients in heart failure: Review of cases
      Linda Schwartz

11:15  SVT and atrial flutter in CHF patients: Case reviews
      Win Shen, MD

11:40  Closing remarks