

Program Schedule
Mayo Clinic 10th Annual
Heart Rhythm & ECG Course:
A Case-based Approach

Thursday, December 2, 2021

- 6:15 a.m. **Registration & Continental Breakfast**
- 7:00 a.m. **Livestream Attendee Logon**
- 7:15 a.m. **Welcome Announcements and Pre-Test**
Komandoor Srivathsan, M.D.

ECG Reading Course

MODERATOR: Komandoor Srivathsan, M.D.

- 7:30 a.m. **Bundle Branch Blocks**
Stephen Hammill, M.D.
- 7:55 a.m. **SVT Basics and Differential Diagnosis Simplified**
Win-Kuang Shen, M.D.
- 8:20 a.m. **Aberrancy or Ventricular Tachycardia:
One or Two Criteria to Remember**
Dan Sorajja, M.D.
- 8:45 a.m. **Ventricular Tachycardia:
When Do I Worry and Refer for ICD?**
Arturo M. Valverde, M.D.
- 9:10 a.m. **Panel Discussion**
Drs. Shen, Sorajja, Srivathsan and Valverde
- 9:30 a.m. **Break (15 Minutes - Additional Faculty Interaction/15 Minutes Break)**
- 10:00 a.m. **AV Node vs His-Purkinje Disease**
Komandoor Srivathsan, M.D.
- 10:25 a.m. **Chamber Abnormalities and Diagnostic Changes**
Dr. Luis Scott, M.D.
- 10:50 a.m. **A Flutter, Pre-excited Atrial Fibrillation**
Win-Kuang Shen, M.D.
- 11:15 a.m. **Break**

Thursday, December 2, 2021 (continued)

- 11:30 a.m. **Metabolic Changes, Ion Channel Problems
and Unusual Problems**
Hicham Z. El Masry, M.D.
- 11:55 a.m. **Simple Things to Consider in Stress ECG**
Justin Z. Lee, M.B.B.S.
- 12:30 p.m. **Putting It All Together:
Different ECG Patterns in Practice**
Komandoor Srivathsan, M.D.
- 12:45 p.m. **Panel Discussion and Post-Test**
Drs. El Masry, Scott, Shen, and Srivathsan
- 1:00 p.m. **Adjourn**
- 1:15 – 3:15 p.m. **Optional Additional ECG Workshop for Advanced***
ECG Reading (*lunch provided to onsite attendees*)
Presenter: Komandoor Srivathsan, M.D.
Panel: Hicham Z. El Masry, M.D.;
Win-Kuang Shen, M.D.; and Dan Sorajja, M.D.
- Code ECGs** with Stephen C. Hammill, M.D.
(*useful for Cardiology Board examination*)
[Live/Virtual Interactive Session]

**Optional Workshop (Separate Registration Required – fee applies)*

Friday, December 3, 2021

- 6:15 a.m. **Continental Breakfast**
- 7:00 a.m. **Livestream Attendee Logon**
- 7:15 a.m. **Announcements and Pre-Test**

Atrial Fibrillation

MODERATOR: John Miller, M.D.

- 7:30 a.m. **Atrial Fibrillation: Sleep Apnea and Risk Factor Changes – A Case Review**
John Miller, M.D.
- 7:55 a.m. **Rate Control Options: Medications and AV Nodal Ablation – Take Home Messages for My Practice**
Win-Kuang Shen, M.D.
- 8:20 a.m. **Guideline Directed Medications for Maintaining Sinus Rhythm: Is There a Simple Rule That I Can Use**
John Miller, M.D.
- 8:45 a.m. **When Do I Refer Patients for Ablation?**
Arturo M. Valverde, M.D.
- 9:10 a.m. **Stroke in Atrial Fibrillation: What is Gender Neutral CHADS VASC Score**
Hicham Z. El Masry, M.D.
- 9:35 a.m. **Panel Discussion**
Drs. El Masry, Miller, Shen, and Valverde
- 10:00 a.m. **Break (15 Minutes - Additional Faculty Interaction/15 minutes - Break)**
- 10:30 a.m. **Pacemaker Detected Atrial Fibrillation: Do I Do Anything About It?**
Dan Sorajja, M.D.
- 10:55 a.m. **Atrial Fibrillation – Debates**
Moderator: Komandoor Srivathsan, M.D.
- Pro: Atrial Fibrillation Should be Ablated at the Very Onset and First Episode**
Win Shen, M.D.
- Con: Ablation Should Only be Performed for Refractory Cases**
John Miller, M.D.

Friday, December 3, 2021 *(continued)*

- 11:25 a.m. **Post PCI Anticoagulation**
Win-Kuang Shen, M.D.
- 11:50 a.m. **Post-Operative Atrial Fibrillation:
Cardinal Things to Know**
Arturo Valverde, M.D.
- 12:15 p.m. **Break**
- 12:30 p.m. **PACs and No Sustained Atrial Tachycardia:
Do They Lead to Atrial Fibrillation?**
Win-Kuang Shen, M.D.
- 12:55 p.m. **Reversal of Bleeding Episodes with NOACs:
What is Available and How Expensive is it?**
Dan Sorajja, M.D.
- 1:20 p.m. **Panel Discussion and Post-Test**
Drs. Miller, Shen, Sorajja, and Srivathsan
- 1:30 p.m. **Adjourn**
- 1:45 – 3:45 p.m. **Optional Workshop: Challenging ECGs***
(lunch provided to onsite attendees)
Presenter: Komandoor Srivathsan, M.D.
Panel: Arturo M. Valverde, M.D.; Luis R. Scott, M.D.;
Win-Kuang Shen, M.D.; and John Miller, M.D.
[Live/Virtual Interactive Session]

**Optional Workshop (Separate Registration Required – fee applies)*

Saturday, December 4, 2021

- 6:00 a.m. **Continental Breakfast**
- 6:35 a.m. **Livestream Attendee Logon**
- 6:45 a.m. **Early Bird Special Session:
Review of Interesting ECGs**
Komandoor Srivathsan, M.D.
- 7:15 a.m. **Announcements and Pre-Test**

Ventricular Arrhythmias

MODERATOR: John Miller, M.D.

- 7:30 a.m. **Implantable Defibrillator for Primary Prevention
of Sudden Death: What Do the Guidelines Say?**
Fred Kusumoto, M.D.
- 7:55 a.m. **Sudden Death in the Young: Evaluation**
Justin Z. Lee, M.B.B.S
- 8:20 a.m. **Hospital Management of Wide QRS Tachycardia:
What Should Never be Done?**
Thomas M. Munger, M.D.
- 8:50 a.m. **PVCs and Cardiomyopathy: Chicken or the Egg**
Win-Kuang Shen, M.D.
- 9:15 a.m. **Panel Discussion**
Drs. Kusumoto, Munger, Scott, and Shen
- 9:30 a.m. **Break (15 Minutes - Additional Faculty Interaction/15 minutes - Break)**
- 10:00 a.m. **Channelopathies: What Should a Generalist Know?**
Komandoor Srivathsan, M.D.
- 10:25 a.m. **Wearable Defibrillator: Use or Abuse**
Dan Sorajja, M.D.
- 10:50 a.m. **Pacemaker and MRI**
Win-Kuang Shen, M.D.

Saturday, December 4, 2021 *(continued)*

11:20 a.m. **Pacemaker/ICD Trouble Shooting in the ED:
Three Case Scenarios**
Linda J. Schwartz, R.N.

11:45 a.m. **Break**

Practical Clinical Issues -- Answered in 10 Minutes
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12:00 p.m. **Post Intracranial Bleed: When to Start Anticoagulation?**
Fred Kusumoto, M.D.

12:10 p.m. **Anticoagulation after GI Bleed**
Dan Sorajja, M.D.

12:20 p.m. **Post Ablation ER Visits**
Thomas M. Munger, M.D.

12:30 p.m. **Athletes and Worrisome Arrhythmia: What Should I
Test to Clear a Young Person for Athletic Activity?**
Luis R. Scott, M.D.

1:00 p.m. **Panel Discussion and Post-Test**
Drs. Kusumoto, Munger, Shen, Sorajja, Srivathsan and Linda Schwartz

1:15 p.m. **Adjourn**

Sunday, December 5, 2021

- 6:00 a.m. **Continental Breakfast**
- 6:50 a.m. **Livestream Attendee Logon**
- 7:00 a.m. **Early Bird Special Session:
Learning from the 12-lead ECG**
Win-Kuang Shen, M.D.

CHF Session

MODERATOR: Komandoor Srivathsan, M.D.

- 7:30 a.m. **POTS and Inappropriate Sinus Tachycardia
Cases: How Did I Manage?**
Win-Kuang Shen, M.D.
- 7:55 a.m. **Anticoagulation Management in Patients Undergoing
Procedures with Warfarin and NOACs**
Dan Sorajja, M.D.
- 8:20 a.m. **Acute Illness in Hospital and Related Arrhythmia**
Hicham Z. El Masry, M.D.
- 8:45 a.m. **Event Recorder, Holter or Implantable Loop Recorder:
Case Examples of Which Should One Choose?**
Dan Sorajja, M.D.
- 9:10 a.m. **Panel Discussion**
Drs. El Masry, Shen, and Sorajja
- 9:30 a.m. **Break (15 Minutes - Additional Faculty Interaction/15 minutes - Break)**
- 10:00 a.m. **Sudden Death in HCM and Screening**
Thomas M. Munger, M.D.
- 10:25 a.m. **Heart Failure and Biventricular Devices:
What is the Data?**
Fred Kusumoto, M.D.
- 10:50 a.m. **Remote Monitoring Helped These Patients:
Review of Three Cases**
Paul S. Bibby, APRN, AGACNP-BC, M.S.N.

Sunday, December 5, 2021 *(continued)*

- 11:15 a.m. **SVT and Atrial Flutter in CHF Patients: Case Reviews**
Arturo M. Valverde, M.D.
- 11:40 a.m. **Panel Discussion**
Drs. Kusumoto, Munger, Valverde and Mr. Bibby
- 12:00 p.m. **Adjourn**