

Program Schedule
Mayo Clinic 11th Annual
Heart Rhythm & ECG Course:
A Case-Based Approach (MST)

Wednesday, December 7, 2022 *(Optional – must pre-register; no additional charge)*

- 5:00 p.m. **Introduction to Basic ECG Interpretation**
Dan Sorajja, M.D.
- 6:00 p.m. **Adjourn**

Thursday, December 8, 2022

- 6:15 a.m. MST **Registration, Continental Breakfast, and Exhibits**
- 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 - Recognition, Significance,
and Prognosis: Case Examples**
Stephen C. Hammill, M.D.
- 7:55 a.m. **All SVT Just Need Adenosine - Why Differential
Diagnosis Matters: Case Examples**
Win-Kuang Shen, M.D.
- 8:20 a.m. **Three Case Examples of VT vs Aberrancy;
Where Following Criteria Helped**
Dan Sorajja, M.D.
- 8:45 a.m. **Monomorphic VT in Ischemic Heart Disease is
Different from Normal Hearts: Case Examples**
Arturo M. Valverde, M.D.
- 9:10 a.m. **Panel Discussion**
Drs. Hammill, Shen, Sorajja, and Valverde
- 9:30 a.m. **Break and Exhibits (15 Min. - Additional Faculty Interaction/15 Min. Break)**

Thursday, December 8, 2022 (continued)

- 10:00 a.m. **AV Node vs His-Purkinje Disease: Case Examples**
Komandoor Srivathsan, M.D.
- 10:25 a.m. **LVH vs HCM vs Cardiac Amyloidosis: Case Examples**
Luis R. Scott, M.D.
- 10:50 a.m. **All Atrial Flutters Are Not the Same: Case Examples**
Win-Kuang Shen, M.D.
- 11:15 a.m. **Break and Exhibits**
- 11:30 a.m. **Metabolic Changes, Ion Channel Problems
and Unusual Problems; Three Case Scenarios**
Hicham Z. El Masry, M.D.
- 11:55 a.m. **Stress ECG And Duke Treadmill Score
Prognostication; Case Examples**
Thomas G. Allison, Ph.D., M.P.H.
- 12:30 p.m. **Artificial Intelligence and ECG Reading;
Case Examples**
Komandoor Srivathsan, M.D.
- 12:45 p.m. **Panel Discussion and Post-Test**
Drs. Allison, El Masry, Scott, Shen, and Srivathsan
- 1:00 p.m. **Adjourn**

1:15 p.m.	Livestream Workshop Login
1:30 p.m.	*Optional Additional ECG Workshop for Basic ECG Reading (lunch provided to onsite attendees) Presenter: Stephen C. Hammill, M.D. Panel: Hicham Z. El Masry, M.D.; Win-Kuang Shen, M.D.; and Dan Sorajja, M.D., Narayan (Guru) G. Kowlgi, M.B.B.S. Code ECGs with Stephen C. Hammill, M.D. <i>(useful for Cardiology Board examination)</i> [Live/Virtual Interactive Session]
3:30 p.m.	Adjourn

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

Friday, December 9, 2022

6:15 a.m. **Continental Breakfast and Exhibits**

7:00 a.m. **Livestream Attendee Logon**

7:15 a.m. **Announcements and Pre-Test**
Komandoor Srivathsan, M.D.

Atrial Fibrillation

MODERATOR: John M. Miller, M.D.

7:30 a.m. **Is Sleep Apnea Really a Risk Factor?**
A Case Review
John M. Miller, M.D.

7:55 a.m. **Rate Control Options: Medications and AV Nodal**
Ablation - Hospital vs Outpatient Practice: Case Examples
Win-Kuang Shen, M.D.

8:20 a.m. **Guideline Directed Medications for Maintaining Sinus**
Rhythm: Choice is Dependent on Underlying Disease:
Case Examples
John M. Miller, M.D.

8:45 a.m. **Why Early Ablation is Better than Delayed Procedure**
for Atrial Fibrillation: Case Examples
Arturo M. Valverde, M.D.

9:10 a.m. **Stroke in Atrial Fibrillation: CHADS VASC Score**
Do Not Have Equal Weightage: Case Examples
Hicham Z. El Masry, M.D.

9:35 a.m. **Panel Discussion**
Drs. El Masry, Miller, Shen, and Valverde

10:00 a.m. **Break and Exhibits**
(15 Min. - Additional Faculty Interaction/15 Min. Break)

10:30 a.m. **Pacemaker Detected Atrial Fibrillation: Do I Have to**
Worry Until the Episode Lasts 24 Hours or Greater?
Case Examples
Dan Sorajja, M.D.

Friday, December 9, 2022 *(continued)*

10:55 a.m.	Atrial Fibrillation - Debates Moderator: Komandoor Srivathsan, M.D. Pro: Atrial Fibrillation Should be Ablated Early in its Course Win-Kuang Shen, M.D. Con: Ablation Should Only be Performed for Refractory Cases John M. Miller, M.D.
11:25 a.m.	Post PCI Anticoagulation; Confusing Rivaroxaban Dosing: Case Examples Eric H. Yang, M.D.
11:50 a.m.	Post-Operative Atrial Fibrillation: Role of Amiodarone and Pre-Procedure Loading Arturo M. Valverde, M.D.
12:15 p.m.	Break and Exhibits
12:30 p.m.	Reversal of Bleeding Episodes with NOACs: Why Andexanet Alpha is not Approved by Most Hospitals Dan Sorajja, M.D.
12:55 p.m.	Panel Discussion and Post-Test Drs. Miller, Shen, Sorajja, Srivathsan, Valverde, and Yang
1:30 p.m.	Adjourn
1:45 p.m.	Livestream Workshop Login
2:00 p.m.	*Optional Workshop: Challenging ECGs <i>(lunch provided to onsite attendees)</i> Presenter: Komandoor Srivathsan, M.D. Panel: Arturo M. Valverde, M.D.; Luis R. Scott, M.D.; Win-Kuang Shen, M.D.; and John M. Miller, M.D. [Live/Virtual Interactive Session]
4:00 p.m.	Adjourn

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

Saturday, December 10, 2022

6:00 a.m. **Continental Breakfast and Exhibits**

6:50 a.m. **Livestream Attendee Logon**

7:00 a.m. **Early Bird Special Session:
Review of Interesting ECGs**
Komandoor Srivathsan, M.D.

CHF Session

MODERATOR: Komandoor Srivathsan, M.D.

7:15 a.m. **Announcements and Pre-Test**
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**
Narayan (Guru) G. Kowlgi, M.B.B.S.

8:20 a.m. **Acute Illness in Hospital and Related Arrhythmia Cases**
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 and Exhibits (15 Min. - Additional Faculty Interaction/15 Min. Break)**

10:00 a.m. **Sudden Death in HCM; and is Screening with MRI
Critical in Evaluation?**
Thomas M. Munger, M.D.

10:25 a.m. **Heart Failure; Biventricular Pacemaker or Conduction
System Pacemaker; What does the Data Show?**
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.

Saturday, December 10, 2022 *(continued)*

- 11:15 a.m. **SVT and Atrial Flutter in CHF Patients: Case Reviews**
Arturo M. Valverde, M.D.
- 11:40 a.m. **Cardiac Contractility Modulation: Is There a Role?**
Hicham Z. El Masry, M.D.
- 12:00 p.m. **Panel Discussion and Post-Test**
Drs. Kusumoto, El Masry, Munger, Valverde, and Mr. Bibby
- 12:15 p.m. **Adjourn**

Sunday, December 11, 2022

- 6:00 a.m. **Continental Breakfast and Exhibits**
- 6:35 a.m. **Livestream Attendee Logon**
- 6:45 a.m. **Early Bird Special Session:
Learning from the 12-lead ECG**
Win-Kuang Shen, M.D.
- 7:15 a.m. **Announcements and Pre-Test**
Win-Kuang Shen, M.D.

Ventricular Arrhythmias

MODERATOR: John M. Miller, M.D.

- 7:30 a.m. **Implantable Defibrillator for Primary Prevention of
Sudden Death: When Not to Implant Them after
Careful Discussion**
Fred Kusumoto, M.D.
- 7:55 a.m. **Sudden Death in a Young Family Member:
What Investigations Among Relatives?**
Justin Z. Lee, M.B.B.S.
- 8:20 a.m. **What if Initial Management Fails in VT Therapy?
What Else can be Done before Ablation?**
Thomas M. Munger, M.D.
- 8:50 a.m. **Post Pacemaker Implantation Follow-up**
Dan Sorajja, M.D.
- 9:15 a.m. **Panel Discussion**
Drs. Kusumoto, Lee, Munger, and Sorajja

Sunday, December 11, 2022 *(continued)*

- 9:30 a.m. **Break and Exhibits**
(15 Min. - Additional Faculty Interaction/15 Min. Break)
- 10:00 a.m. **Who is a Watchman Candidate and Why?**
Reza Arsanjani, M.D.
- 10:25 a.m. **Wearable Defibrillator: Was the Negative Study Flawed?**
Dan Sorajja, M.D.
- 10:50 a.m. **Pacemaker/ICD Trouble Shooting in the ED:
Three Case Scenarios**
Linda J. Schwartz, R.N.
- 11:15 a.m. **Panel Discussion and Post-Test**
Dr. Arsanjani, Dr. Sorajja and Ms. Schwartz
- 11:30 a.m. **Closing Remarks**
- 11:35 a.m. **Adjourn**