

***12<sup>th</sup> Annual Heart Rhythm & ECG  
Course: A Case-Based Approach***  
December 7-10, 2023

**Thursday, December 7, 2023**

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6:15 a.m.	<b>Registration, Continental Breakfast and Exhibits</b>
7:00 a.m.	<b>Livestream Attendee Login</b>
7:15 a.m.	<b>Announcements</b> Komandoor Srivathsan, M.D.
7:20 a.m.	<b>Pre-Test</b>
<b>SESSION</b>	<b>ECG Reading Course</b>
<b>MODERATOR</b>	Komandoor Srivathsan, M.D.
7:30 a.m.	<b>Bundle Branch Blocks – Recognition, Significance, and Prognosis: Why So Much Importance on LBBB in Comparison to RBBB? Case Examples</b> Komandoor Srivathsan, M.D.
7:55 a.m.	<b>All SVTs Just Need Adenosine? Why Differential Diagnosis Matters: Case Examples</b> Win-Kuang Shen, M.D.
8:20 a.m.	<b>Three Case Examples of VT vs Aberrancy: Where Following Criteria Helped (or Didn't?)</b> Dan Sorajja, M.D.
8:45 a.m.	<b>Monomorphic VT in Ischemic Heart Disease is Different from Normal Hearts: Case Examples</b> Hicham El Masry, M.D.
9:10 a.m.	<b>Panel Discussion</b> Komandoor Srivathsan, M.D., Win-Kuang Shen, M.D., Dan Sorajja, M.D., and Hicham El Masry, M.D.
9:30 a.m.	<b>Break and Exhibits</b>
10:00 a.m.	<b>Bradycardia: Sinus Node, AV Node, or His-Purkinje Disease: Case Examples</b> Komandoor Srivathsan, M.D.

## Thursday, December 7, 2023 (continued)

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- 10:25 a.m.      **LVH vs HCM vs Cardiac Amyloidosis: Case Examples**  
Luis R. Scott, M.D.
- 10:50 a.m.      **Typical vs Atypical Flutter: Case Examples**  
Hicham El Masry, M.D.
- 11:15 a.m.      **Break and Exhibits**
- 11:30 a.m.      **Metabolic Changes, Ion Channel Problems and Unusual Problems: Three Case Scenarios**  
Arturo M. Valverde, M.D.
- 11:55 a.m.      **Stress EC and Duke Treadmill Score Prognostication: Case Examples**  
Thomas G. Allison, Ph.D., M.P.H.
- 12:20 p.m.      **Artificial Intelligence and ECG Reading: Is It Hype or Has Real Value? Case Examples**  
Win-Kuang Shen, M.D.
- 12:45 p.m.      **Panel Discussion and Post-Test**  
Komandoor Srivathsan, M.D., Luis R. Scott, M.D., Hicham El Masry, M.D., Arturo M. Valverde, M.D., Thomas G. Allison, Ph.D., M.P.H. and Win-Kuang Shen, M.D.
- 1:05 p.m.      **Adjourn**
- 1:15 p.m.      **Livestream Workshop Login**
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| 1:30 p.m. | <b>Optional Additional ECG Workshop for Basic ECG Reading</b><br><i>Separate registration fee applies. Lunch provided to onsite attendees.</i><br><br><b>Presenter:</b> Komandoor Srivathsan, M.D.<br><br><b>Panel:</b><br>Win-Kuang Shen, M.D., Hicham El Masry, M.D., and Dan Sorajja, M.D. |
| 3:30 p.m. | <b>Adjourn</b>  |
- 6:30 p.m. – 8:00 p.m.      **Welcome Reception**

## Friday, December 8, 2023

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6:15 a.m.	<b>Continental Breakfast and Exhibits</b>
7:00 a.m.	<b>Livestream Attendee Login</b>
7:15 a.m.	<b>Announcements</b> Win-Kuang Shen, M.D.
7:20 a.m.	<b>Pre-Test</b>
<b>SESSION</b>	<b>Atrial Fibrillation</b>
<b>MODERATOR</b>	John M. Miller, M.D.
7:30 a.m.	<b>Sleep Apnea Therapy and Atrial Fibrillation Control: What is the Data?</b> John M. Miller, M.D.
7:55 a.m.	<b>Rate Control Options: Medications; Are Beta Blockers Better than Calcium Channel Blockers?</b> Win-Kuang Shen, M.D.
8:20 a.m.	<b>Guideline Directed Medications for Maintaining Sinus Rhythm: Choice is Dependent on Underlying Disease: Case Examples</b> Luis R. Scott, M.D.
8:45 a.m.	<b>Atrial Fibrillation Ablation: Early Better than Late? Case Examples</b> John M. Miller, M.D.
9:10 a.m.	<b>Stress Testing Utility in Atrial Fibrillation and Patients at Risk for Arrhythmias</b> Thomas G. Allison, Ph.D., M.P.H.
9:35 a.m.	<b>Panel Discussion</b> John M. Miller, M.D., Win-Kuang Shen, M.D., Luis R. Scott, M.D., and Thomas G. Allison, Ph.D., M.P.H.
10:05 a.m.	<b>Break and Exhibits</b>
10:30 a.m.	<b>Pacemaker Detected Atrial Fibrillation: Do I Have to Worry Only When the Episode is Less Than 24 Hours? Case Examples</b> Tom Munger M.D.

## Friday, December 8, 2023 (continued)

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- 10:55 a.m.            **Reversal of Bleeding Episodes with NOACs:  
Why Andexanet Alpha is not Approved by  
Most Hospitals**  
Freddy Del-Carpio Munoz, M.D.
- 11:25 a.m.            **Anticoagulation in Special Circumstances: PCI,  
Brain Bleed, Surgery and More: Case Examples**  
Hicham El Masry, M.D.
- 11:50 a.m.            **Who is a Watchman Candidate and Why?**  
Reza Arsanjani, M.D.
- 12:15 p.m.            **Break and Exhibits**
- 12:30 p.m.            **Atrial Fibrillation – Debates**  
**Moderator:** Komandoor Srivathsan, M.D.
- Pro: Atrial Fibrillation Should be Ablated Early  
in its Course**  
Dan Sorajja, M.D.
- Con: Ablation Should Only be Performed for  
Refractory Cases**  
Arturo Valverde, M.D.
- 12:55 p.m.            **Panel Discussion and Post-Test**  
Tom Munger M.D., Dan Sorajja, M.D., Arturo Valverde, M.D.,  
Hicham El Masry, M.D., Reza Arsanjani, M.D., and Freddy Del-Carpio  
Munoz, M.D.
- 1:30 p.m.             **Adjourn**

1:45 p.m.	<b>Livestream Workshop Login</b>
2:00 p.m.	<b>Optional Workshop: ECG Abstract Presentations</b> <i>Separate registration fee applies. Lunch provided to onsite attendees.</i>  Arturo M. Valverde, M.D., Luis R. Scott, M.D., and John M. Miller, M.D.  Abstract Presenters: José Martín Alanís Naranjo, Tyler Schmidt, M.D., Omar Baqa, M.B.B.S., Bade A. Fatunde, M.D., M.P.H.
4:00 p.m.	<b>Adjourn</b>

## Saturday, December 9, 2023

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6:00 a.m.	<b>Continental Breakfast and Exhibits</b>
6:50 a.m.	<b>Livestream Attendee Login</b>
7:00 a.m.	<b>Early Bird Special Session: Learning from the 12-lead ECG</b> Komandoor Srivathsan, M.D.
<b>SESSION</b>	<b>Arrhythmias in Other Conditions</b>
<b>MODERATOR</b>	Fred Kusumoto, M.D.
7:15 a.m.	<b>Announcements</b> Komandoor Srivathsan, M.D.
7:20 a.m.	<b>Pre-Test</b>
7:30 a.m.	<b>Mestinson vs Ivabridine in Inappropriate Sinus Tachycardia: Which One is Better?</b> Win-Kuang Shen, M.D.
7:55 a.m.	<b>Post-Operative Atrial Fibrillation: Role of Amiodarone and Pre-Procedure Loading</b> Arturo Valverde, M.D.
8:20 a.m.	<b>Acute Illness in Hospital and Related Arrhythmia Cases</b> Thomas M. Munger, M.D.
8:45 a.m.	<b>Syncope and Palpitations: Event Recorder, Holter or Implantable Loop Recorder: Choosing</b> Dan Sorajja, M.D.
9:10 a.m.	<b>Panel Discussion</b> Win-Kuang Shen, M.D., Arturo Valverde, M.D., Thomas M. Munger, M.D., and Dan Sorajja, M.D.
9:30 a.m.	<b>Break and Exhibits</b>
10:00 a.m.	<b>Nonsustained Ventricular Tachycardia and Premature Ventricular Contractions in Heart Failure with Preserved vs Low EF: Should I Worry?</b> Fred Kusumoto M.D.

**Saturday, December 9, 2023** *(continued)*

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- 10:25 a.m.            **Heart Failure; Biventricular Pacemaker or Conduction System  
Pacemaker: What Does the Data Show?**  
Freddy Del-Carpio Munoz, M.D.
- 10:50 a.m.            **Remote Monitoring Helped These Patients with Heart Failure**  
Paul S. Bibby, APRN, AGACNP-BC, M.S.N.
- 11:15 a.m.            **SVT and Atrial Flutter in CHF Patients:  
Case Reviews**  
Komandoor Srivathsan, M.D.
- 11:40 a.m.            **Cardiac Contractility Modulation:  
Is There a Role?**  
Arturo M. Valverde, M.D.
- 12:00 p.m.            **Panel Discussion**  
Fred Kusumoto M.D., Freddy Del-Carpio Munoz, M.D.,  
Paul S. Bibby, APRN, AGACNP-BC, M.S.N.,  
Komandoor Srivathsan, M.D., and Arturo M. Valverde, M.D.
- 12:20 p.m.            **Adjourn**

## Sunday, December 10, 2023

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6:00 a.m.	<b>Continental Breakfast and Exhibits</b>
6:35 a.m.	<b>Livestream Attendee Login</b>
6:45 a.m.	<b>Early Bird Special Session: Review of Interesting ECGs</b> Win-Kuang Shen, M.D.
7:15 a.m.	<b>Announcements</b> Dan Sorajja, M.D.
7:20 a.m.	<b>Pre-Test</b>
<b>SESSION</b>	<b>Ventricular Arrhythmias</b>
<b>MODERATOR</b>	Win-Kuang Shen, M.D.
7:30 a.m.	<b>Implantable Defibrillator for Primary Prevention of Sudden Death: When Not to Implant Them after Careful Discussion</b> Fred Kusumoto, M.D.
7:55 a.m.	<b>Sudden Death in a Young Family Member: What Investigations Among Relatives?</b> Vaibhav R. Vaidya, M.B.B.S.
8:20 a.m.	<b>Sudden Death in HCM; and is Screening with MRI Critical in Evaluation?</b> Dan Sorajja, M.D.
8:50 a.m.	<b>What if Initial Management Fails in VT Therapy? What Else can be Done before Ablation?</b> Arturo Valverde M.D.
9:15 a.m.	<b>Panel Discussion</b> Fred Kusumoto, M.D., Vaibhav R. Vaidya, M.B.B.S., Dan Sorajja, M.D., and Arturo Valverde M.D.
9:30 a.m.	<b>Break and Exhibits</b>
10:00 a.m.	<b>VT Ablation only Reduces Shocks and Does Not Prolong Life</b> Hicham El Masry, M.D.

**Sunday, December 10, 2023** *(continued)*

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- 10:25 a.m.            **Wearable Defibrillator: Who Should get a VEST?**  
Vaibhav R. Vaidya, M.B.B.S.
- 10:50 a.m.            **Pacemaker/ICD Trouble Shooting in the ED:  
Three Case Scenarios**  
Komandoor Srivathsan, M.D.
- 11:15 a.m.            **Panel Discussion and Post-Test**  
Hicham El Masry, M.D., Vaibhav R. Vaidya, M.B.B.S.,  
and Komandoor Srivathsan, M.D.
- 11:35 a.m.            **Closing Remarks**
- 11:40 a.m.            **Adjourn**