Piedmont Heart presents

iMAGINE 2019

Echocardiography Today - Do, Learn, Do More, Learn More

November 2-3, 2019
Georgia Technology Hotel and Conference Center
800 Spring St NW, Atlanta GA 30308

Program Co-Directors
Theresa Green RDCS
Sara Mobasseri MD FASE FACC
Mani A. Vannan MBBS FASE FACC FAHA

Co-Sponsors:
GA Chapter American College of Cardiology
# November 2, Saturday

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<th>Time</th>
<th>Session</th>
<th>Teachers</th>
<th>Learners</th>
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<td>7:00-7:45 AM</td>
<td>Registration and Continental Breakfast</td>
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<td>7:45-8:00 AM</td>
<td>Welcome and Opening Remarks, Course Objectives, Pre-Test</td>
<td>Sara Mobasseri MD, Theresa Green RDCS and Mani Vannan MBBS</td>
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<td>8:00-10:00 AM</td>
<td>Standard 2-D Left Heart Views &amp; Measurements in TTE &amp; What Do They Mean?</td>
<td>Teresa Navies RDCS, Theresa Green RDCS, Mani Vannan MBBS</td>
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<td>10:00-10:30 AM</td>
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<td>10:30 AM-12:30 PM</td>
<td>Diastolic Function and LA Strain</td>
<td>Theresa Green RDCS, Mani Vannan MBBS</td>
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<td>Lunch Break, Visit Exhibits</td>
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1:30-3:30 PM  Right Heart Size and Function

Teachers: Tom Van Houten RDMS, JD Cochran RCS, Theresa Green RDMS, Mani Vannan MBBS
Learners: All of Us

• Apical 4-ch, Focused RV
  • RV FAC
  • RV Area vs. Volumes
  • RV Basal Dimension
  • RV Size Beyond Basal Dimension
  • RV/LV Ratio
  • RV Strain
  • RV Diastolic Function
  • Contrast RV Size and Function
  • 3D RV Size and EF
  • RA Area/Volumes

3:30-4:00 PM  Coffee Break, Visit Exhibits

4:00-5:30 PM  Doppler Hemodynamics

Teachers: Theresa Green RDMS, Mani Vannan MBBS
Learners: All of Us

• Left Heart Hemodynamics
  • LV Stroke Volume
  • Dynamic vs. Fixed Spectral Profiles
  • Discrepant AS vs. MR Spectral Profiles
  • LA Pressure Estimation

• Right Heart Hemodynamics
  • RV Stroke Volume
  • RA Pressure Estimation
  • Contrast for Spectral Doppler
  • RVSP, mPAP/PVR
  • RVOT AT vs. PV AT

5:30 PM  Adjourn
November 3, Sunday

7:30-8:00 AM  Breakfast, Visit Exhibits

8:00-10:00 AM  Myocardial Strain

Teachers: Tom Van Houten RDCS, Theresa Green RDCS, Mani Vannan MBBS
Learners: All of Us

• Essential Elements of a Quality LV Strain Imaging
• Essential Elements of a Quality RV Strain Imaging
• Understanding Strain Measurements
• LV Strain with Contrast
• Cancer Cardiotoxicity
• HFpEF
• Amyloid
• Volume Overload
• Pericarditis
• Pulmonary Embolism

10:00-10:30 AM  Coffee Break, Visit Exhibits

10:30 AM-1:00 PM  AR, TR and MR

Teachers: JD Cochran RCS, Teresa Navies RDCS, Sara Mobasseri MD, Peter Flueckiger MD,
Vibhav Rangarajan MD
Learners: All of Us

• Essential Elements of a Quality TTE of MR
• Essential Elements of a Quality TTE of TR
• Essential Elements of a Quality TTE of AR
• PISA and VC
• Pulmonary Vein and Hepatic Vein Doppler
• Descending Aorta and Abdominal Aorta Doppler
• Discrepant Data: What to Do?
• Dynamic MR/TR
• What to Do in AF?
• 3D TTE of MR and TR: How and When?
• LVEF and RVEF in MR and TR
• Echo vs. CMR for MR and TR
• LV Strain
• Contrast in MR, TR and MR

1:00-1:45 PM  Lunch Break, Visit Exhibits
1:45-3:00 PM  Scanning and Clinical Pearls in AS

Teachers: Theresa Green RDCS, JD Cochran RCS, Mani Vannan MBBS
Learners: All of Us

- LVOT Measurement for Continuity Equation
- Non-Apical Doppler: How and When?
- What to Do in AF?
- Low-Gradient Severe AS
- High Gradient, Not Severe AS
- Moderate AS and Reduced LVEF
- Stress Testing in AS: When and What Test?
- CT Calcium Score of the AV
- LV Strain in AS
- Contrast in AS: Why, When and How?
- How to Assess PVL

3:00-4:15 PM  Cases for Interpretation

Teachers: Sara Mobasseri MD, Peter Flueckiger MD, Vibhav Rangarajan MD
Learners: All of Us

- Heart Failure
- LVH
- Valve Disease
- Amyloid
- Stress Cardiomyopathy or CAD?
- PHTN

4:15-4:45 PM  General Q and A

All Teachers and All of Us

- Test your knowledge...

4:30 PM  Adjourn