THURSDAY, MAY 1, 2014

7:15 a.m. Registration and Continental Breakfast

8:10 a.m. Welcome: Course Overview, Audience Survey, and Pre-Test
Drs. Freeman and Lester

Left Ventricular Systolic and Diastolic Function

Moderator: *Steven J. Lester, M.D.*

8:30 a.m. Echo Assessment of Left Heart Chambers: 2-D and 3-D Echo for LV Volume, Systolic Function, and Cardiac Output; LA Volume
Samuel Unzek, M.D.

9:00 a.m. Echocardiographic Assessment of Diastolic Function
Susan Wilansky, M.D.

9:30 a.m. Strain Imaging for Assessment of Left Ventricular Function
Steven J. Lester, M.D.

10:00 a.m. Questions and Comments
Drs. Unzek, Wilansky, and Lester

10:15 a.m. Refreshment Break

Right Ventricular Function and Right Heart Hemodynamics

10:45 a.m. Evaluation of Right Ventricular Size and Function:
Utility of 2-D and 3-D Echocardiography, Strain Imaging
Steven J. Lester, M.D.

11:15 a.m. Evaluation of Right Heart Hemodynamics by Echocardiography:
Implications for the Management of Pulmonary Hypertension
Robert B. McCully, M.D.

11:45 a.m. Questions and Comments
Drs. Lester and McCully

12:00 p.m. Lunch

Cardiomyopathies, Heart Failure, and Pericardial Disease

Moderator: *William K. Freeman, M.D.*

1:00 p.m. Hypertrophic Cardiomyopathy: Evaluation and Differential Diagnosis; Implications for Risk Stratification and Management
William K. Freeman, M.D.

1:30 p.m. Dilated Cardiomyopathy, Echo Evaluation, and Role in Device Intervention (CRT and LVAD)
Sabrina D. Phillips, M.D.

2:00 p.m. Restrictive Cardiomyopathy: And Other Unusual Causes of Heart Failure
Vuyisile T. Nkomo, M.D.

2:30 p.m. Pericardial Disease: Constrictive Pericarditis and Cardiac Tamponade; Evaluation by Echocardiography, Echo-Directed Pericardiocentesis
William K. Freeman, M.D.

3:00 p.m. Questions and Comments
Drs. Freeman, Phillips, and Nkomo

3:10 p.m. Refreshment Break

Workshops: 3-D Imaging, Strain Imaging, and Diastolic Function

3:30-4:10 p.m. Concurrent Sessions (Pick One)

1. How to Perform 3-D Imaging to Assess Left Ventricular Size and Function
   Dr. Mankad and Mr. Roth
2. How to Perform Strain Imaging; Practical Points and Pitfalls
   Dr. Lester and Mr. Bastiansen
3. Interesting Cases of Diastolic Dysfunction
   Drs. Unzek and Wilansky

4:20-5:00 p.m. Concurrent Sessions (Pick One)

1. How to Perform 3-D Imaging to Assess Left Ventricular Size and Function
   Dr. Mankad and Mr. Roth
2. How to Perform Strain Imaging; Practical Points and Pitfalls
   Dr. Lester and Mr. Bastiansen
3. Interesting Cases of Diastolic Dysfunction
   Drs. Unzek and Wilansky

5:00 p.m. Adjourn

FRIDAY, MAY 2, 2014

7:30 a.m. Continental Breakfast

Valvular Heart Disease: Regurgitation and Stenosis

Moderator: *Steven J. Lester, M.D.*

8:00 a.m. Mitral Regurgitation: 2-D Assessment of Etiology and Quantitation of Severity by Doppler (PISA, Continuity Equation)
Steven J. Lester, M.D.

8:30 a.m. Mitral Stenosis: Comprehensive 2-D and Doppler Assessment
Sabrina D. Phillips, M.D

9:00 a.m. Aortic Stenosis: Comprehensive 2-D and Doppler Assessment
Robert B. McCully, M.D.

9:30 a.m. Aortic Regurgitation: 2-D Assessment of Etiology and Quantitation of Severity by Doppler (PISA, Continuity Equation)
Kyle W. Klarich, M.D.

10:00 a.m. Questions and Comments
Drs. Lester, Phillips, McCully, and Klarich,

10:10 a.m. *Refreshment Break*

10:30 a.m. Aortic Stenosis: Mean Gradient and Valve Area Mismatch
Low Output – Low Mean Gradient, Normal LVEF – Low Mean Gradient
Steven J. Lester, M.D.

11:00 a.m. Tricuspid and Pulmonary Valve Disease: 2-D Assessment and Doppler Quantitation of Severity; Prognostic Implications
Kyle W. Klarich, M.D. .

11:30 a.m. Valvular Disease: Uncommon Etiologies (Systemic Disease, Radiation and Drug-Induced)
William K. Freeman, M.D.

12:00 p.m. Questions and Comments
Drs. Lester, Klarich, and Freeman

12:15 p.m. Lunch

Small Group Breakout Sessions

1:15 – 2:00 p.m. Concurrent Sessions: (Pick one)

1. Valve Hemodynamics
   Drs. Klarich and Nkomo
2. Assessment of Diastolic Function
   Drs. Lester and Unzek
3. Interesting Stress Echo Case Studies
   Dr. McCully
4. Practical Imaging Workshop for Sonographers
   Dr. Phillips, Mr. Bastiansen, and Mr. Roth

2:15 – 3:00 p.m. Concurrent Sessions: (Pick one)

1. Valve Hemodynamics
   Drs. Klarich and Nkomo
2. Assessment of Diastolic Function
   Drs. Lester and Unzek
3. Interesting Stress Echo Case Studies
   Dr. McCully
4. Practical Imaging Workshop for Sonographers
   Dr. Phillips, Mr. Bastiansen, and Mr. Roth

3:00 p.m. Adjourn

SATURDAY, MAY 3, 2014

7:30 a.m. Continental Breakfast

Special Topics in Valvular Heart Disease

Moderator: *William K. Freeman, M.D*

8:00 a.m. Echocardiographic Evaluation of Prosthetic Valve Dysfunction
Susan Wilansky, M.D.

8:30 a.m. Endocarditis: TTE and TEE for Diagnosis, Evaluation, and Management
William K. Freeman, M.D.

9:00 a.m. Valvular Heart Disease: When Symptoms and Findings Don't Correlate – What More Can Echo Offer?
Vuyisile T. Nkomo, M.D.

9:30 a.m. Utility of 2-D and 3-D Transesophageal Echocardiography in the Interventional Cardiac Laboratory
Sunil V. Mankad, M.D.

10:00 a.m. Questions and Comments
Drs. Wilansky, Freeman, Nkomo, and Mankad

10:10 a.m. Refreshment Break

Valvular Heart Disease: Surgical Intervention

10:30 a.m. Minimally Invasive Cardiac Surgery
Rakesh M. Suri, M.D., D.Phil.

11:00 a.m. Intraoperative Echocardiography
Sunil V. Mankad, M.D.

11:30 a.m. Mitral and Tricuspid Valve Surgery: Indications, Techniques, and New Developments
Rakesh M. Suri, M.D., D.Phil.

12:00 p.m. Questions and Comments
Drs. Suri and Mankad

12:15 p.m. Lunch

Ischemic Heart Disease

1:15 p.m. Stress Echocardiography: RWMA Interpretation, Applications, and Prognostication; Role of Contrast Imaging
Robert B. McCully, M.D.

2:00 p.m. Mechanical Complications of Myocardial Infarction
Sunil V. Mankad, M.D.

2:30 p.m. Case Studies in Stress Echocardiography
Robert B. McCully, M.D.

3:00 p.m. Questions and Comments
Drs. McCully and Mankad

3:15 p.m. Adjourn

SUNDAY, MAY 4, 2014

7:30 a.m. Continental Breakfast

Congenital Heart Disease

Moderator: *Sabrina D. Phillips, M.D*

8:00 a.m. Echocardiographic Assessment of Septal Defects
Sabrina D. Phillips, M.D.

8:25 a.m. Transcatheter Therapies for Septal Defects: Clinical Approach and Imaging Strategies
Nathaniel W. Taggart, M.D.

8:50 a.m. The Terrible "Ts": Echocardiographic Evaluation of Tetralogy, Transposition, and Truncus
Frank Cetta, Jr., M.D.

9: 15 a.m. Transcatheter Valve Replacement in Congenital Heart Disease
Nathaniel W. Taggart, M.D.

9:40 a.m. Ebstein Anomaly
Frank Cetta, Jr., M.D.

10:05 a.m. Questions and Comments
Drs. Phillips, Taggart, and Cetta

10:20 a.m. Refreshment Break

Special Topics in Echocardiography

10:45 a.m. Acute Aortic Syndromes: Evaluation by TEE, Role of Multi-Modality Imaging
William K. Freeman, M.D.

11:15 a.m. Imaging for Cardiovascular Risk Prediction
Steven J. Lester, M.D.

11:45 a.m. Echocardiographic Assessment of Intracardiac and Paracardiac Masses and Thrombus
Kyle W. Klarich, M.D.

12:15 p.m. Closing Comments and Post-Test
Drs. Freeman and Lester

12:30 p.m. Adjourn