

**25th Annual Conference On
2D, CONVENTIONAL AND COLOR DOPPLER ECHOCARDIOGRAPHY**

**ALSO, TRANSESOPHAGEAL, STRESS, CONTRAST, TISSUE
DOPPLER/SPECKLE, AND THREE/FOUR-DIMENSIONAL ECHOCARDIOGRAPHY**

October 11-14, 2012

Jointly sponsored by the University of Alabama School of Medicine, University of Alabama at Birmingham Echocardiography Laboratory, the Georgia Heart Clinic, LaGrange, Georgia and the International Society of Cardiovascular Ultrasound

**Conference Director:
Navin C. Nanda, M.D.**

PICTURE from
Callaway Gardens

**The Lodge Conference Center
Callaway Gardens Resort
U.S. Highway 18
Pine Mountain, Georgia
(Outside Atlanta)
Phone: 706-663-2281**

NOTE Symposium Location at Callaway Gardens:

The Lodge Conference Center

(Located inside the Entrance to The Gardens at Callaway. Enter the Gardens entrance on Ga. Hwy. 18, take the first left indicating Golf Course and Lodge/Spa Hotel, then take the next left. This will take you to the The Lodge Conference Center. See Map under Directions to Callaway.)

PURPOSE:

This conference is designed to provide a comprehensive review of echocardiography with emphasis on valvar stenosis, intracardiac hemodynamics, myocardial viability, valvar regurgitation, cardiomyopathy, prosthetic valves, aortic disorders, LV systolic and diastolic function, Doppler tissue and speckle imaging, transesophageal, contrast, and 3 and 4 dimensional transthoracic and transesophageal echocardiography.

The thrust throughout will be on movie and slide presentations demonstrating interesting case studies to illustrate various concepts, measurements and parameters used in two-dimensional, conventional, color Doppler, transesophageal, tissue Doppler, speckle tracking, strain and strain rate, and 3 and 4 dimensional echocardiography. Emphasis will also be on the role of these modalities in clinical diagnosis and management of patient problems. A faculty of internationally renowned experts has been assembled for this conference. Patient Demonstration sessions will be organized to provide practical equipment training to satisfy the individual needs of the participants. Echocardiography equipment from several manufacturers is expected to be available for this purpose. Although the course is designed mainly for physicians, we invite technologists, nurses and other health professionals to register. There are no special prerequisites for this course. The registration fee is \$495.00 for physicians and \$340.00 for non-physicians and physicians-in-training (includes all breakfasts, luncheons and refreshment breaks).

OBJECTIVES:

We expect the attendees □ to acquire and enhance their knowledge of various aspects of echocardiography □ to be able to describe the uses of the basic modes of display for cardiac assessment; recognize normal anatomy and pathology of the heart from ultrasound images □ to describe the use of Doppler ultrasound in the assessment of blood flow within the heart.

ACCREDITATION:

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Alabama School of Medicine (UASOM), University of Alabama at Birmingham Echocardiography Laboratory, Birmingham, Alabama, Georgia Heart Clinic, LaGrange, GA and the International Society of Cardiovascular Ultrasound. The UASOM is accredited by the ACCME to provide continuing medical education for physicians.

The University of Alabama School of Medicine designates this educational activity for a maximum of ___ AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The University of Alabama School of Medicine is an equal opportunity/affirmative action institution.

While designated for credit hours, the program is not intended to provide extensive training or certification in the field.

Cancellation Statement:

There will be a \$50.00 cancellation fee prior to October 1, 2012. After that date there will be no refunds. Telephone cancellations will not be accepted. Letters of cancellation must include registrant name, home address and social security number and be sent to Lindy Chapman, University of Alabama at Birmingham, Heart Station SW/S102, 619 S. 19 Street, Birmingham, AL 35249. Your refund, less the \$50.00 cancellation fee, will be sent 4-6 weeks following the course dates. UAB reserves the right to cancel this course without prior notice due to unforeseen circumstances.

FACULTY

Navin C. Nanda, MD, Conference Director, Distinguished Professor of Medicine and and Cardiovascular Disease and Director, Heart Station/Echocardiography Laboratories, University of Alabama at Birmingham, Birmingham, Alabama. Director, Echocardiography Laboratory, The Kirklin Clinic, Health Services Foundation, Birmingham, Alabama

Robert B. Copeland, MD, Conference Co-Director, Clinical Professor of Medicine, Emory University, Atlanta, Georgia and Medical Director, Georgia Heart Clinic, Department of Cardiovascular Medicine, West Georgia Medical Center, LaGrange, Georgia

Kunal Bodiwala, MD, Instructor in Medicine, University of Kentucky – Gill Heart Institute, Division of Cardiovascular Medicine, Lexington, Kentucky

Alexander Gedevarishvili, MD, Director of Echocardiography, Georgia Heart Clinic, LaGrange, Georgia

Itzhak Kronzon, MD, Associate Chairman and Director, Cardiac Imaging, Department of Cardiovascular Medicine, Lenox Hill Hospital, New York, New York

Gautam Kumar, MBBS, MRCP(UK), Assistant Professor of Medicine, Emory University, and Staff physician, Cardiology, Emory University/Atlanta Veterans' Administration Medical Center, Atlanta, Georgia

Sunil V. Mankad, MD, Associate Professor of Medicine, Director, Transesophageal Echocardiography, Mayo Clinic Foundation, Rochester, Minnesota

Randolph Martin, MD, Medical Director, Cardiovascular Imaging, Piedmont Hospital and Chief, Structural & Valvular Heart Disease, Piedmont Heart Institute, Atlanta, Georgia

Elizabeth Ofili, MD, Professor of Medicine, Chief of Cardiology, Director of the Clinical Research Center and Associate Dean of Clinical Research, Morehouse School of Medicine, Atlanta, Georgia

Muhamed Saric, MD, Associate Professor of Medicine and Director, Echocardiography Lab, New York University, New York, New York

Vincent L. Sorrell, MD, Professor, Department of Internal Medicine/Radiology, Associate Chief, Division of Cardiovascular Medicine and Director of Cardiovascular Imaging, University of Kentucky Gill Heart Institute, Lexington, Kentucky

25th Annual 2D, Conventional and Color Doppler Echocardiography
(Also, Transesophageal, Stress, Contrast, Tissue Doppler/Speckle and Three-Dimensional Echocardiography).

THURSDAY, October 11, 2012

The Lodge Conference Center

The emphasis throughout will be on movie and slide presentations demonstrating interesting case studies to illustrate concepts, measurements and parameters used in various aspects of echocardiography.

1:00-2:00 pm Registration

1:55-2:00 Welcome and Introduction: **Drs. Navin C. Nanda and Robert Copeland**

SPECIAL SESSION FOR BEGINNERS and REVIEW FOR OTHERS

Chairpersons: Drs. Robert Copeland, and Vincent L. Sorrell

2:00-2:30 How to do a systematic comprehensive transthoracic two-dimensional and conventional and color Doppler echocardiographic examination. Instrument settings and transducers. Various "standard" and "non-standard" planes. Importance of right parasternal and supraclavicular/infraclavicular examination. Pitfalls and how to avoid them. Review of normal and selected pathologies. What measurements are important? Quality Control. **Dr. Vincent L. Sorrell**

2:30-2:35 Questions from the audience

2:35-2:55 How to do a comprehensive live/real time transthoracic three-dimensional echocardiographic examination. Pitfalls and how to avoid them. ISCU recommendations for displaying 3D images. **Dr. Navin C. Nanda**

2:55-3:00 Questions from the audience.

- 3:00-3:20 How to do a contrast echo study. Basics and interaction between ultrasound and microbubbles. **Dr. Vincent L. Sorrell**
- 3:20-3:25 Questions from the audience
- 3:25-3:45 How to do tissue Doppler and speckle tracking examination. Radial, transversal, longitudinal and circumferential strain. Strain rate. Rotation, Twist and Torsion. **Dr. Navin C. Nanda**
- 3:45-3:50 Questions from the audience
- 3:50-4:15 How to do a systematic 2D and 3D transesophageal echocardiographic examination in the a) Echo Laboratory/patient bedside, and b) Operating room. Prerequisites, How to get started. "Standard" and "Non-Standard" image planes. Identification of various anatomic structures. Indications and contraindications. Pitfalls and Artifacts. **Dr. Muhamed Saric**
- 4:15-4:20 Questions from the audience
- 4:20-4:30 Refreshment break
- 4:30-6:15 Patient Demonstrations. Patients will be arranged by the Georgia Heart Clinic. **Drs. Robert Copeland, Alexander Gedevanishvili, Navin Nanda, Dr. Muhamed Saric, and Vincent L. Sorrell**
- 6:15-8:00 Dinner - on your own

POST-DINNER SESSION ON INTERESTING CASES

Chairperson: Dr. Vincent L. Sorrell

- 8:00-9:30 pm Echo Millionaire. **Dr. Vincent L. Sorrell with assistance from Drs. Navin C. Nanda and Muhamed Saric**

FRIDAY, October 12, 2012

- 7:30-8:00 am Continental Breakfast

AORTIC ATHEROSCLEROSIS; CARDIAC CT AND MRI; CONSTRICTIVE PERICARDITIS; EVALUATION OF ATHLETES; PERCUTANEOUS INTERVENTIONS; RV FUNCTION; TAVI; VALVAR STENOSIS AND REGURGITATION

Chairpersons: Drs. Alexander Gedevanishvili and Muhamed Saric

8:00-8:30	Aortic atherosclerosis – from echo features to clinical syndromes. Dr. Itzhak Kronzon
8:30-8:35	Questions from the audience
8:35-9:05	Update on echo evaluation of mitral and aortic stenosis. Low stroke volume, severe aortic stenosis. Use of BNP markers and statins. Dr. Muhamed Saric
9:05-9:10	Questions from the audience
9:10-9:40	2D and 3D echo evaluation of mitral and aortic regurgitation severity. Pitfalls and how to overcome them. Dr. Navin C. Nanda
9:40-9:45	Questions from the audience
9:45-10:15	Break
10:15-10:45	Use of 3D TEE to guide percutaneous/interventions - TAVI. Dr. Muhamed Saric
10:45-10:50	Questions from the audience
10:50-11:20	How to evaluate competitive athletes. Dr. Itzhak Kronzon
11:20-11:25	Questions from the audience
11:25-11:40	An introduction to the value of cardiac CT and MR for the referring physician. Dr. Vincent L. Sorrell
11:40-11:45	Questions from the audience
11:45-12:15	Constrictive pericarditis – echo features and differential diagnosis. Dr. Itzhak Kronzon
12:15-12:20	Questions from the audience
12:20-12:50	How to evaluate RV function with echo and MRI. Dr. Vincent L. Sorrell
12:50-1:00 pm	Questions from the audience
1:00-2:00 pm	Luncheon provided by the Conference

HEMODYNAMICS BY DOPPLER. INTERESTING CASES

Chairpersons: Drs. Alexander Gedevanishvili and Itzhak Kronzon

- 2:00-2:45 Comprehensive hemodynamic evaluation by Doppler echocardiography – The Non-Invasive Cardiac Catheterization. Assessment of stroke volume, cardiac output and intracardiac pressures. – **Dr. Itzhak Kronzon**
- 2:45 – 3:15 Interesting Cases – **Dr. Kunal Bodiwala**
- 3:15 - 3:30 Refreshment break
- 3:30 - 6:00 Patient Demonstrations. Patients will be arranged by the Georgia Heart Clinic. **Drs. Robert Copeland, Alexander Gedevanishvili, and Itzhak Kronzon**

SATURDAY, October 13, 2012

CONGENITAL HEART DISEASE; HYPERTROPHIC CARDIOMYOPATHY; INFECTIVE ENDOCARDITIS; INTERESTING CASES; MYOCARDIAL VIABILITY

Chairpersons: Drs. Sunil Mankad and Navin C. Nanda

- 7:30-8:00 am Continental Breakfast
- 8:00-8:30 Timing of surgery in infective endocarditis – **Dr. Sunil Mankad**
- 8:30-8:35 Questions from the audience
- 8:35-9:05 Congenital heart disease in adults – **Dr. Muhamed Saric**
- 9:05-9:10 Questions from the audience
- 9:10-9:40 Echo in hypertrophic cardiomyopathy – **Dr. Sunil Mankad**
- 9:40-9:45 Questions from the audience
- 9:45-10:15 Break
- 10:15-10:45 Multimodality imaging to assess for myocardial viability – **Dr. Vincent L. Sorrell**
- 10:45-10:50 Questions from the audience

INTERESTING AND INSTRUCTIVE CASE STUDIES

(including stress echo cases)

Chairperson: Dr. Navin C. Nanda

10:50-11:00	Dr. Gautam Kumar
11:00-11:30	Dr. Navin C. Nanda
11:30-12:00	Dr. Sunil Mankad
12:00-12:30	Dr. Muhamed Saric
12:30-1:00	Dr. Itzhak Kronzon
1:00-1:10	Questions from the audience
1:10	Adjournment.

SUNDAY, October 14, 2012

**CARDIAC SOURCES OF EMBOLISM; CONTRAST ECHO; DIASTOLIC FUNCTION;
INTERESTING CASES**

Chairpersons: Drs. Sunil Mankad, Elizabeth Ofili and Navin Nanda

7:30-8:00 am	Continental Breakfast
8:00-8:30	Transesophageal echo assessment of cardiac sources of embolism. What is new? Dr. Elizabeth Ofili
8:30-8:35	Questions from the audience
8:35-9:05	Update on echo evaluation of LV diastolic function in patients with normal LV systolic function: Pitfalls and how to avoid them. Dr. Sunil Mankad
9:05-9:10	Questions from the audience
9:10-9:40	Clinical usefulness of contrast echocardiography – Dr. Navin C. Nanda
9:40-9:45	Questions from the audience
9:45-10:10	Break

“THE FAMOUS RANDY MARTIN SESSION”

Chairperson: Dr. Randolph Martin

- 10:10-12:45 Interesting and instructive case studies illustrating aortic disorders, endocarditis, pericardial diseases, cardiomyopathy and LV dysfunction. **Dr. Randolph Martin**
- 12:45-1:00 pm Questions from the audience
- 1:00 pm Adjournment