

## FUTURE CONFERENCES

March 13 or 14, 2015. 31st Annual International Conference on Recent Advances in Echocardiography and Allied Techniques (MRI, CT Scan, Nuclear). San Diego, California

April 29 - May 2, 2015. Joint Asian Pacific Society of Cardiology Congress and the XX World Congress of Echocardiography and Allied Techniques, Abu Dhabi, United Arab Emirates. President: Dr. Arif Al Mulla; Vice-President/Secretary: Dr. Wael Almahmeed. [www.apsc2015.com](http://www.apsc2015.com)

April/May 2015. XXI World Congress of Echocardiography and Allied Techniques, Mexico. President: Dr. Hilda Peralta-Rosado; Co-President: Dr. Nilda Espinola-Zavaleta

2016. XXII World Congress of Echocardiography and Allied Techniques, Leipzig, Germany. Congress Presidents: Prof. Andreas Hagendorff and Dr. Klaus Tiemann.

For further information contact Lindy Chapman, University of Alabama at Birmingham, Heart Station SW/S102, 619 19 Street South, Birmingham, AL 35249-6846. Tel: 205-934-8256; fax: 205-934-6747; E-mail: [lindyc@uab.edu](mailto:lindyc@uab.edu)

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Jointly sponsored by the University of Alabama School of Medicine, Division of Continuing Medical Education, University of Alabama at Birmingham Echocardiography Laboratory, Department of Cardiovascular Medicine, West Georgia Health, LaGrange, Georgia and the International Society of Cardiovascular Ultrasound

*Present*

## Twenty-Seventh Annual Conference On 2D, CONVENTIONAL AND COLOR DOPPLER ECHOCARDIOGRAPHY

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

**October 9-12, 2014**

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



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

Callaway Gardens Front Desk: 706-663-2281  
The Lodge Conference Center Front Desk: 706-489-3300

## 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 Lodge Conference Center. See Map under Directions to Callaway.

### 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, Department of Cardiovascular Medicine, West Georgia Health, LaGrange, GA and the International Society of Cardiovascular Ultrasound.

The University of Alabama School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Alabama School of Medicine designates this live activity for a maximum of 23.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

UAB 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.

### 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 manufactur-

ers 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 including 2D echo, conventional and color Doppler, transesophageal echo, contrast echo, 3D/4D echo and tissue Doppler and speckle tracking echocardiography • learn the indications and clinical usefulness of various aspects of echocardiography • learn the limitations of echocardiography and how other non-invasive techniques, such as MRI and CT scan can supplement echocardiography.

### FACULTY

**Navin C. Nanda, MD, Conference Director**, Distinguished Professor of Medicine 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**, Medical Director, Department of Cardiovascular Medicine, West Georgia Health, LaGrange, Georgia

**Krishnaswamy Chandrasekaran, MD**, Consultant, Adult Congenital Heart Disease, Cardiovascular Diseases & Internal Medicine and Professor of Medicine, Mayo Clinic, College of Medicine, Phoenix, Arizona

**Alexander Gedevarishvili, MD**, Director of Echocardiography, West Georgia Health, LaGrange, Georgia

**Itzhak Kronzon, MD**, Associate Chairman, Director, Cardiac Imaging, North Shore LIJ/Lenox Hill Hospital, New York, New York

**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

**Miguel A. Quiñones, MD**, Professor of Medicine, Weill Cornell Medical College and Chair, Department of Cardiology, Houston Methodist DeBakey Heart & Vascular Center and Houston Methodist Hospital, Houston, Texas

**Muhamed Saric, MD, PhD**, Associate Professor of Medicine and Director of Echocardiography Lab, New York University Langone Medical Center, New York, New York

### ACKNOWLEDGMENTS

Educational grants received will be acknowledged at the conference. Exhibits will be present.

### Cancellation Statement:

There will be a \$50.00 cancellation fee prior to September 26, 2014. 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.

### CALLAWAY GARDENS RESORT

Callaway Gardens Resort, a family-oriented, world-famed botanical garden and resort, is an hour south of Atlanta on U.S. Highway 27 in Pine Mountain, Georgia. It offers conference participants one of the most beautifully exciting resort experiences in America. Callaway Gardens spreads over 12,000 acres of woodland preserve with a unique horticultural display of flowers and plant life woven amid lakes, meadow and forest lands. Also included is a unique Butterfly House. Within this gorgeous floral wonderland are superb sports – golf year-round is available on four courses, tennis, racquetball, a DP Fit For Life Fitness Center and miles of trails for bicycling and hiking as well as fishing and hunting. The world's longest manmade inland white sand beach, Robin Lake, offers summer swimming, boating, sailing, and water skiing. Riverboat and miniature train rides, paddle boats, miniature golf, and other amusements are available. Three swimming pools (seasonal) are available to Callaway's guests. Renowned for its authentic Southern country cooking, Callaway Gardens' resort restaurants feature foods prepared with fresh picked Gardens-grown produce. The Plant Room at the Inn is famous for elaborate buffets of regional specialties. The Country Kitchen is known for its "hearty" Southern cooking.

# Twenty-Seventh Annual 2D, Conventional and Color Doppler Echocardiography

(Also, Transesophageal, Stress, Contrast, Tissue Doppler/Speckle and Three-Dimensional Echocardiography).

## October 9-12, 2014

THURSDAY, October 9, 2014

### 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. Krishnaswamy Chandrasekaran and Robert Copeland

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/intraclavicular examination. Pitfalls and how to avoid them. Review of normal and selected pathologies. What measurements are important? Quality Control. Dr. Krishnaswamy Chandrasekaran

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 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

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

3:50-4:00 Refreshment Break

4:00-6:15 Patient Demonstrations. Patients will be arranged by the Department of Cardiovascular Medicine, West Georgia Health, Drs. Krish-

3:15 - 3:30 pm Questions from the audience

3:30 - 3:45 Refreshment break

3:45 - 6:00 Patient Demonstrations. Patients will be arranged by the Department of Cardiovascular Medicine, West Georgia Health. Drs. Robert Copeland, Alexander Gedevarishvili, and Itzhak Kronzon

SATURDAY, October 11, 2014

### PERICARDIAL EFFUSION; CONSTRICTIVE PERICARDITIS; RESTRICTIVE CARDIOMYOPATHY; FUSION IMAGING; LV SYSTOLIC FUNCTION; PROSTHETIC VALVES; STRESS ECHOCARDIOGRAPHY;

Chairpersons: Drs. Robert Copeland and Navin C. Nanda

7:30-8:00 am Continental Breakfast

8:00-8:30 Evaluating LV systolic function. Are the new modalities of 3D and strain ready for prime time. Dr. Miguel A. Quiñones

8:30-8:35 Questions from the audience

8:35-9:05 Pericardial effusion. Constrictive pericarditis versus restrictive cardiomyopathy. Clinical spectrum and echocardiographic findings. Dr. Itzhak Kronzon

9:05-9:10 Questions from the audience

9:10-9:40 How to assess prosthetic valve function. Patient prosthetic mismatch. Dr. Miguel A. Quiñones

9:40-9:45 Questions from the audience

9:45-10:15 Refreshment Break

10:15-10:45 Use of 3D TEE to guide percutaneous interventions. Dr. Muhamed Saric

10:45-10:50 Questions from the audience

10:50-11:40 Current status of stress echocardiography. Dr. Miguel A. Quiñones

11:40-11:45 Questions from the audience

11:45-12:15 Fusion imaging in catheter based structural heart procedures (paravalvular leaks, complex procedures like closure of pseudoaneurysms, myocardial infarction, ventricular septal defects, retrieval of intracardiac masses). Dr. Itzhak Kronzon

12:15-12:20 Questions from the audience

12:20-12:50 Echo evaluation of congenital heart disease in adults. Dr. Muhamed Saric

12:50-1:00 Questions from the audience

1:00 Adjournment.

SUNDAY, October 12, 2014

## Callaway Gardens, Pine Mountain, Georgia

### DIRECTIONS to Callaway

If you are staying at the Mountain Creek Inn or the Mountain Creek Villas, your check in site will be at the Mountain Creek Inn on U. S. Hwy. 27 (see map). If you are staying at the Lodge and Spa, you will enter the Gardens entrance on Ga. Hwy. 18. Enter and take the first left (before the gated entrance), then take the next left. This will take you to the The Lodge Conference Center and the check-in desk is inside the lobby.

To check in for the Cottages, please confirm with Callaway Gardens Reservations (1-800-225-5292) the location for check in and also the times. After hours is at the Mountain Creek Inn check in mentioned above.

Albany, GA (110 miles) Take U. S. Hwy. 82 North to Ga. Hwy 55 North to U. S. Hwy. 280 to Columbus. In Columbus take Interstate 185 North to Ga. Hwy. 18 East. Go to one of the two check-in sites mentioned above.

Atlanta, GA (70 miles) Take Interstate 85 South to Interstate 185 South. Exit at U. S. Hwy. 27. Follow Hwy. 27 South to Pine Mountain. Go to one of the two check-in sites mentioned above.

Birmingham, AL (150 miles) - Take U.S. Hwy. 280 East to Opelika and take Interstate 85 North to Ga. Hwy. 18 (exit 2). Go to one of the two check-in sites mentioned above.

Columbus, GA (30 miles) Take Interstate 185 North to Ga. Hwy. 18 East. Go to one of the two check-in sites mentioned above.

Macon, GA (80 miles) Take U. S. Hwy. 80 West to Ga. Hwy. 208 West to U. S. Hwy. 27 North. Go to one of the two check-in sites mentioned above.

Montgomery, AL (110 miles) Take Interstate 85 North to Ga. Hwy. 18 East. Go to one of the two check-in sites mentioned above.

### Locations at Callaway

If you are staying at the Mountain Creek Inn, The Cottages or Mountain Creek Villas, your check in site will be at the Mountain Creek Inn on U. S. Hwy. 27 (see map). If you are staying at the Lodge and Spa, you will enter the Gardens entrance on Ga. Hwy. 18. Enter and take the first left (before the gated entrance), then take the next left. This will take you to the The Lodge Conference Center and the check-in desk is inside the lobby.

**Car Rental Agencies** have special weekend rates available. Contact the car rental agencies through their toll-free numbers for their rates. Since some of the well known sightseeing places in the Resort are not within easy walking distance, many find it convenient to rent cars at the Atlanta Airport. This also facilitates transportation between the Resort and the Atlanta airport.

### TRANSPORTATION

Callaway Gardens Resort is located on U.S. Highway 27 in Pine Mountain, Georgia, 60 minutes southwest of Atlanta and 30 miles north of Columbus, both of which are served by major airlines. We recommend that you have a car with you to best enjoy the facilities at Callaway Gardens.



naswamy Chandrasekaran, Robert Copeland, Alexander Gedevanishvili, Navin C. Nanda and Muhamed Saric

6:15-8:00 Dinner - on your own

**POST-DINNER SESSION ON INTERESTING CASES**

Chairperson: Drs. Alexander Gedevanishvili and Muhamed Saric

8:00-9:30 pm The Famous Thursday Evening Case Studies Show. Drs. Krishnaswamy Chandrasekaran, Alexander Gedevanishvili, Navin C. Nanda and Muhamed Saric

**FRIDAY, October 10, 2014**

7:30-8:00 am Continental Breakfast

**AORTIC STENOSIS; MITRAL AND AORTIC REGURGITATION; ECHO ARTIFACTS, AORTIC DISSECTION; LVAD, ATHLETE'S HEART; LV DIASTOLIC FUNCTION; RV FUNCTION**

Chairpersons: Drs. Alexander Gedevanishvili and Itzhak Kronzon

8:00-8:30 Low gradient severe aortic stenosis with normal and abnormal LV ejection fraction. Dr. Itzhak Kronzon

8:30-8:35 Questions from the audience

8:35-9:05 Echo artifacts: How to differentiate from real findings. Dr. Muhamed Saric

9:05-9:10 Questions from the audience

9:10-9:40 Left ventricular diastolic dysfunction: Is Doppler useful? Dr. Itzhak Kronzon

9:40-9:45 Questions from the audience

9:45-10:15 Refreshment Break

10:15-10:45 Assessment of right heart by echocardiography. Dr. Krishnaswamy Chandrasekaran

10:45-10:50 Questions from the audience

10:50-11:20 2D and 3D echo evaluation of mitral and aortic regurgitation severity. Pitfalls and how to overcome them. Dr. Navin C. Nanda

11:20-11:25 Questions from the audience

11:25-11:40 Assessment of LVAD by echocardiography. Dr. Krishnaswamy Chandrasekaran

11:40-11:45 Questions from the audience

11:45-12:25 Echocardiographic assessment of aortic dissection - Dr. Navin C. Nanda

12:25-12:30 Questions from the audience

12:30-1:00 Athlete's heart: Diagnosis and screening. Dr. Itzhak Kronzon

1:00-1:10 pm Questions from the audience

1:10-2:00 pm Luncheon provided by the Conference

**"You Have Not Seen These Spectacular and Instructive Cases Before"**

Chairperson: Dr. Alexander Gedevanishvili

2:00 - 3:15 pm Interesting and instructive cases. Drs. Krishnaswamy Chandrasekaran, Itzhak Kronzon and Muhamed Saric

**ECHO IN LIFE THREATENING CONDITIONS; CONTRAST ECHO; 3D TTE; HEART FAILURE; CONGENITAL HEART DISEASE IN THE ADULT; VALVAR STENOSIS AND REGURGITATION; INTERESTING CASES**

Chairpersons: Drs. Miguel A. Quiñones, Elizabeth Ofili and Navin C. Nanda

7:30-8:00 am Continental Breakfast

8:00-8:30 Echocardiography in life threatening conditions. Dr. Elizabeth Ofili

8:30-8:35 Questions from the audience

8:35-9:05 Everything you wanted to know about contrast echocardiography. Dr. Navin C. Nanda

9:05-9:10 Questions from the audience

9:10-9:40 Update on echo/Doppler evaluation of stenosis and regurgitation of mitral, tricuspid and pulmonary valves. Dr. Elizabeth Ofili

9:40-9:45 Questions from the audience

9:45-10:10 Refreshment Break

10:10-10:40 The patient with dyspnea and edema: Is it heart failure or pericardial disease? Dr. Miguel A. Quiñones

10:40-10:45 Questions from the audience

10:45-11:15 In which patients do we use live/real time three-dimensional transthoracic echocardiography? Dr. Navin C. Nanda

11:15-11:20 Questions from the audience

11:20-12:20 Super Interesting and Instructive Cases Dr. Miguel A. Quiñones

12:20-12:50 pm Super Interesting Cases. Drs. Krishnaswamy Chandrasekaran, Elizabeth Ofili, Navin C. Nanda

12:50 - 1:00 pm Questions from the audience.

1:00 pm Adjournment

**HOTEL INFORMATION**

The code for reservations under the conference block of rooms is UAB Echo Course.

For reservations at Mountain Creek Inn, Mountain Creek Villas and the Cottages (Callaway Gardens properties), call 1-800-225-5292 or outside the United States call 1-706-663-2281.

For reservations at The Lodge and Spa at Callaway Gardens attached to the Lodge Conference Center (Marriott property), call the front desk at 706-489-3300 or 1-888-312-8002. If calling from outside the USA, use this number: 706-489-3300. For online reservations for The Lodge and Spa at Callaway Gardens, contact Lindy Chapman (lindyc@uab.edu) for the link.

One night's deposit will be required to confirm the reservation.

After September 8, 2014 rooms will be on space available basis only. Note: Check with either Callaway Gardens or The Lodge and Spa at Callaway Gardens regarding their cancellation and refund policy.

**Pre-Registration for: 27th Annual Conference on Echocardiography, October 9-12, 2014**

Last name \_\_\_\_\_ First name \_\_\_\_\_ M. \_\_\_\_\_ Degree \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_ Country \_\_\_\_\_

Specialty \_\_\_\_\_ Office Phone \_\_\_\_\_

Fax (required) \_\_\_\_\_ E-mail \_\_\_\_\_

**Fee Schedule (please check)** Registration will not be complete until payment is processed.  
 \_\_\_\_\_ \$495.00 physician \_\_\_\_\_ \$340.00 non-physicians / physicians-in-training  
 \_\_\_\_\_ or charge my credit card:  
 Payment must accompany registration. VISA \_\_\_\_\_ MasterCard \_\_\_\_\_ Discover Card \_\_\_\_\_ Am Ex \_\_\_\_\_  
**Cancellation Policy** (Refer to Cancellation Statement for procedure): \$50.00 cancellation fee. Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_  
 Pre-registrations and payments must be received by 10/3/2014. After 10/3/2014, fax Signature \_\_\_\_\_  
 registration to 205-934-6747 and payment will be received on site.

Make check payable to: University of Alabama at Birmingham. Send registration form and check to: Lindy Chapman, University of Alabama at Birmingham, Heart Station SW/S102, 619 19th Street South, Birmingham, AL 35249. Phone: 205-934-8256 or 1-800-UAB-MIST; For registration paid by credit card, private Fax: 205-934-6747.