

26th Annual International Conference  
on  
**RECENT ADVANCES IN  
ECHOCARDIOGRAPHY AND ALLIED  
TECHNIQUES (MRI, CT SCAN, NUCLEAR)**

March 13, 2010

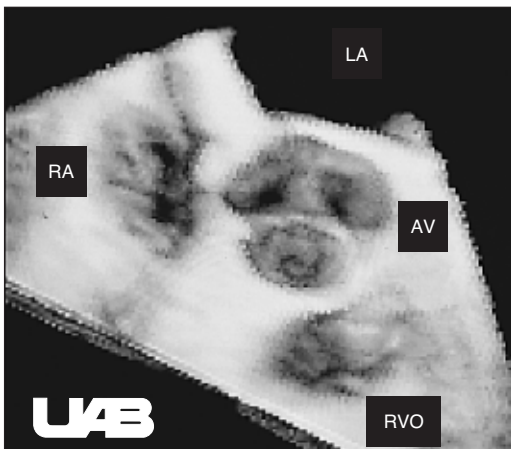
Embassy Suites Centennial Olympic Park, Atlanta, Georgia

**INTERESTING CASE STUDIES  
A TOTAL OF OVER 80 CASES BY OVER 80  
FACULTY ARE EXPECTED TO BE SHOWN**

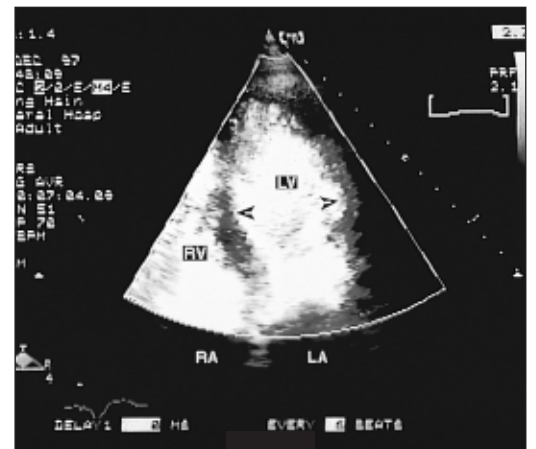
This event is not part of the official ACC Annual Scientific Session and/or the ACC's Innovation in Intervention: i2 Summit in Partnership with the Cardiovascular Research Foundation, as planned by their Program Committees.

**CONFERENCE DIRECTOR: Navin C. Nanda, MD**

Jointly sponsored by the University of Alabama School of Medicine, UAB Division of Continuing Medical Education and University of Alabama at Birmingham Echocardiography Laboratory, Birmingham, Alabama, and the International Society of Cardiovascular Ultrasound



Embassy Suites  
Centennial Olympic Park  
Room: Legacy E-F  
267 Marietta Street  
Atlanta, Georgia  
Phone: (404) 223-2300



## Symposium Location:

Embassy Suites Centennial Olympic Park  
267 Marietta Street  
Atlanta, Georgia  
Phone: (404) 223-2300

**Purpose:** This conference is designed to provide a review of echocardiography and allied techniques (MRI, CT Scan, Nuclear) with emphasis on case studies dealing with valvular heart disease, endocarditis, valve repair, peripheral arterial diseases, prosthetic valves, heart failure, tumors, embolism, trauma, dissection, adult congenital heart disease, coronary artery disease, stress, intraoperative, 3-dimensional, LV strain/strain rate, Doppler tissue imaging, velocity vector imaging and contrast echocardiography. Although the symposium is designed mainly for physicians and technologists, we invite nurses, and other health and industry professionals to attend. The Conference registration fee is \$65.00 for anyone needing CME certification and no cost if CME certification is not needed. Onsite registration will be taken until 10:00 am. There are no special prerequisites.

**Objectives:** We expect the attendees to acquire and enhance their knowledge of various aspects of echocardiography; to be able to describe uses of basic modes of display for cardiac assessment; recognize normal anatomy and pathology of the heart from ultrasound images and 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 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 9 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 Policy

There will be a \$25.00 cancellation fee for course cancellations. Cancellations must be received in writing no later than March 3, 2010 and sent to Lindy Chapman, University of Alabama at Birmingham, Heart Station SW/S102, 619 S. 19 Street, Birmingham, AL 35249; fax: 205-934-6747 or email: lindyc@uab.edu. After that date there will be no refunds. Telephone cancellations will not be accepted. Letters of cancellation must include registrants name, home address, phone number and email address (if available). Your refund, less the \$25.00 cancellation fee, will be sent 4-6 weeks following the course dates. The Division of Continuing Medical Education, UAB reserves the right to cancel this course without prior notice due to unforeseen circumstances.

### ACKNOWLEDGEMENTS

We acknowledge educational grants from Philips Medical System and Siemens Medical Solutions USA. Other support will be acknowledged at the Conference.

### HOTEL INFORMATION

The Conference does not have a block of rooms available. Rooms may be available through the ACC Housing as a registered attendee of ACC or through sites on the internet. However, participation in the Conference does not in any way influence room availability.

### CONFERENCE DIRECTOR:

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

### FACULTY:

- Aiden Abidov, MD**, PhD, Associate Professor of Medicine and Radiology, Director of Cardiovascular Imaging at UPHH and Associate Director, Cardiovascular Imaging at UMC, University of Arizona, Tucson, Arizona
- Ricardo Abugattas, MD**, Professor, de la Universidad Peruana Cayetano Heredia and Director, Instituto de Cardiologia de Lima, Lima, Peru
- Harry Acquatella, MD**, Professor of Medicine (UCV) and Director, Echocardiography Laboratory, Centro Medico, Caracas, Venezuela
- Kul Aggarwal, MD**, Professor of Clinical Medicine, University of Missouri and Chief, Cardiology Section, Harry S. Truman Veterans Hospital, Columbia, Missouri
- Masood Ahmad, MBBS**, Edward D. and Sally M. Futch Professor of Cardiology and Director Echocardiography Laboratory, University of Texas Galveston, Texas.
- Luis Maria Amuchastegui, MD**, Emeritus Professor, National University of Cordoba, Cardiology Service, Hospital Privado, Cordoba, Argentina
- Daniel Areco, MD**, Director, Cardiology Department and Chest Pain Unit, Army Forces General Hospital, Montevideo, Uruguay
- Jose Carlos C. Armendariz Ferrari, MD**, Professor of Medicine, Universidad Nacional Federico Villarreal, and Director of Echocardiography, Hospital Nacional Hipolito Unanue, Lima, Peru
- Thomas Bartel, MD**, Assistant Professor of Medicine of Internal Medicine and Director, Program for Diagnostics and Therapy in Congenital Heart Disease, Valvular Heart Disease and Structural Heart Disease, University Clinic of Internal Medicine III, Department of Cardiology,
- Rolf Baumann, MSC**, Vice President Product Management, TomTec Imaging Systems, Munich, Germany
- Helmut Baumgartner, MD**, Professor of Cardiology/Adult Congenital Heart Disease and Director, Adult Congenital and Valvular Heart Disease Center, University of Muenster, Muenster, Germany
- Robert W.W. Biederman, MD**, Associate Professor of Medicine and Director, Cardiovascular MRI, The Gerald McGinnis Cardiovascular Institute, Drexel University College of Medicine, Allegheny General Hospital, Pittsburgh, Pennsylvania
- Roland R. Brandt, MD**, Director, Echocardiography Laboratory, Kerckhoff Heart Center, Bad Nauheim, Germany
- Pamela R. Burgess, BS, RDCS, Clinical Manager, Cardiac Ultrasound & Stress Testing Lab, Wake Forest University/Baptist Medical Center, Winston-Salem, North Carolina
- P.A.N. Chandraratna, MD**, Professor of Medicine, UC Irvine and Chief, Cardiology Research, Long Beach VA Medical Center, Long Beach, California
- Brian G. Choi, MD, MBA**, Assistant Professor of Medicine, Division of Cardiology, George Washington University, Washington, DC
- Reema Chugh, MD**, Consultant, Cardiology/Adult Congenital Heart Disease and Heart Disease in Pregnancy, Kaiser Foundation Hospitals, Panorama City, California
- Francisco J. Cordova, MD**, Clinical Adult Cardiology Fellow, University of Texas Health Science Center, Houston, Texas
- Salvatore P. Costa, MD**, Assistant Professor of Medicine, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire

**Thor Edvardsen, MD, PhD**, Professor of Medicine, University of Oslo and Deputy Head, Department of Cardiology, Oslo University Hospital, Rikshospitalet, Oslo, Norway

**Raimund Erbel, MD**, Professor of Medicine/Cardiology and Director, Department of Cardiology, West German Heart Center, Essen, University Duisburg-Essen, Essen, Germany

**Nilda Espinola-Zavaleta, MD, PhD**, Professor of Echocardiography, Instituto Nacional de Cardiologia Ignacio Chavez, Mexico City, Mexico

**Dali Fan, MD, PhD**, Director, Echocardiography, North Shore Hospital, Manhasset, New York

**Lee J. Frazin, MD**, Professor of Clinical Medicine, University of Illinois at Chicago and Director, Echocardiography Laboratory, Jesse Brown VA Hospital, Chicago, Illinois

**Julius M. Gardin, MD**, Professor and Chairman, Department of Internal Medicine, Hackensack University Medical Center, Hackensack, New Jersey

**Alexander Gedevanishvili, MD**, Director of Echocardiography, Georgia Heart Clinic, LaGrange, Georgia

**Mark H. Goldberger, MD**, Assistant Clinical Professor of Medicine, Columbia University College of Physicians and Surgeons New York, New York

**John Gorcsan III, MD**, Professor of Medicine and Director of Echocardiography, University of Pittsburgh, Pittsburgh, Pennsylvania

**Kishore J. Harjai, MD**, Medical Director, Cardiac Cath Labs and Co-Chair, Chest Pain Center, Guthrie Health System, Sayre, Pennsylvania

**Brian D. Hoit, MD**, Professor of Medicine and Physiology and Biophysics, Case Western Reserve University and Director of Echocardiography, University Hospitals Health System, Cleveland, Ohio

**Kai-Sheng Hsieh, MD**, Professor of Pediatrics, National Yang-Ming University, Taipei, Taiwan and Chief, Department of Pediatrics, Veterans General Hospital, Kaohsiung, Taiwan

**Rachel Hughes-Doichev, MD**, Assistant Professor of Medicine, Drexel University College of Medicine and Director of Echocardiography, McGinnis Cardiovascular Institute, Allegheny General Hospital, Pittsburgh, Pennsylvania

**Omer Iqbal, MD**, Associate Professor, Loyola University Medical Center, Maywood, Illinois

**Chisato Izumi, MD**, Cardiologist, Department of Cardiology, Tenri Hospital, Nara, Japan

**Andres Jaussi, MD**, Charge de Cours, University of Lausanne, Lausanne, Switzerland

**Leng Jiang, MD**, Professor of Medicine, Tufts University School of Medicine, Boston, Massachusetts and Director of Noninvasive Cardiology, Baystate Medical Center, Springfield, Massachusetts

**Madhavi Kadiyala, MD**, Assistant Director, Cardiac MRI and CT and Staff Echocardiologist, Saint Francis Hospital/The De Mattei Center, Roslyn, NY

**Jaroslav D. Kasprzak, MD**, Professor of Cardiology and Head, II Chair and Department of Cardiology of Cardiology, Medical University of Lodz, Bieganski Hospital, Lodz, Poland

**Martin G. Keane, MD**, Associate Professor of Medicine, Cardiovascular Division and Associate Director, Echocardiography Laboratory, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania

**Bijoy K. Khandheria, MD**, Cardiologist, Scottsdale, Arizona

**James N. Kirkpatrick, MD**, Assistant Professor of Medicine, Cardiovascular Division and Associate Fellow, Center for Bioethics, University of Pennsylvania, Philadelphia, Pennsylvania

**Allan L. Klein, MD**, Professor of Medicine, Director of Cardiovascular Imaging Research and Director of the Pericardial Center, Heart and Vascular Institute, Cleveland Clinic, Cleveland, Ohio

**Smadar Kort, MD**, Associate Professor of Medicine and Director, Non Invasive Cardiology, Director, Cardiovascular Imaging, and Director, Echocardiography, Stony Brook University Medical Center, Stony Brook, New York

**Arthur J. Labovitz, MD**, Director, Cardiovascular Research and Clinical Professor of Medicine, St. John's Heart and Vascular, St. Louis, Missouri

**Stephen H. Little, MD**, Assistant Professor of Medicine, Weill Medical College of Cornell University, Cardiovascular Imaging Section, Department of Cardiology, The Methodist DeBakey Heart & Vascular Center, Houston, Texas

**Kameswari Maganti, MD**, Assistant Professor of Medicine and Director of Cardiac Rehabilitation, Northwestern University Feinberg School of Medicine, Chicago, Illinois

**Amgad N. Makaryus, MD**, Director, Echocardiography and Director, Cardiac CT and MRI, Department of Cardiology, North Shore University Hospital, Manhasset, New York

**Judy R Mangion, MD**, Associate Director, Non Invasive Cardiac Lab, Brigham and Women's Hospital, Boston, Massachusetts

**Sunil Mankad, MD**, Associate Professor of Medicine, Mayo Clinic College of Medicine and Director of Transesophageal Echocardiography and Co-Director, Echocardiography Lab Education, Mayo Clinic, Rochester, Minnesota

**Gerald Maurer, MD**, Professor of Medicine, Director, Division of Cardiology and Chair, Department of Medicine II, Medical University of Vienna, Austria

**Bernhard Mumm, MSc**, President & CTO TomTec Imaging Systems, Munich, Germany

**Michele Nanna, MD**, Associate Clinical Professor of Medicine, and Medical Director, Cardiac Care and Vascular Medicine, Albert Einstein College of Medicine, Bronx, New York

**H. Joachim Nesser, MD**, Associate Professor and Director, Department of Medicine, Cardiology-Angiology and Intensive Care, Elizabethinen Teaching Hospital of the University of Vienna, Linz, Austria



**PRE-REGISTRATION FOR: 26th Annual International Conference on  
Recent Advances in Echocardiography, March 13, 2010**

Last name		First name		M.	Degree
Street Address					
City		State	Zip code	Country	
Specialty			Office Phone		
Fax (required)			E-mail		
Fee Schedule (please check) <input type="checkbox"/> \$65.00 CME certification needed <input type="checkbox"/> \$0.00 no CME certification needed			Registration will not be complete until payment is processed. Check enclosed / amount \$ _____ or charge my CME portion to VISA _____ MasterCard _____ Discover Card _____ AmExpress _____ Card Number _____ Exp. Date _____ Signature _____		

Pre-registration and payment must be received by March 3, 2010. After March 3, 2010, registration and payment will be taken at the door until 10:00 am.

CANCELLATION POLICY: \$25.00 cancellation fee. Registration will not be complete until payment is processed or verification letter received.

**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 35249-6846. For information, phone: 205-934-8256 or 1-800-UAB-MIST. Fax maybe used for credit card or free registrations only - FAX -205-934-6747 (confidential/private fax)

**Ryozo Omoto, MD**, Professor Emeritus and Honorary Director, Saitama International Medical Center, Saitama Medical University, Saitama, Japan

**Natesa G. Pandian, MD**, Professor of Medicine and Director, Heart Valve Center, Tufts University Medical Center, Boston, Massachusetts

**Daniel Jose Pineiro, MD**, Professor of Medicine, Universidad de Buenos Aires, Argentina and Vice-President, Interamerican Society of Cardiology, Buenos Aires, Argentina

**Nelson Pizzano, MD**, Director, Echocardiography Lab, National Institute of Cardiac Surgery, Montevideo, Uruguay

**Athena Poppas, MD**, Associate Professor of Medicine, Brown University and Director, Echocardiography Laboratory, Rhode Island Hospital, Providence, Rhode Island

**Joel S. Raichlen, MD**, Clinical Professor of Medicine, Thomas Jefferson University, Philadelphia, Pennsylvania and Senior Director, Clinical Research, Astra Zeneca, Wilmington, Delaware

**Hanumanth K. Reddy, MD**, Adjunct Clinical Professor of Medicine, University of Arkansas for Medical Sciences, Little Rock, Arkansas

**Gustavo Restrepo, MD**, Director, Cardiovascular Diseases Department, Fundacion Valle de Lili, Cali, Colombia

**C.P. Roy, MD, DM (Cardiology)**, Professor of Cardiology, Director and Head, Department of Medical Education (Cardiology) and Senior Consultant Cardiologist, Max Heart and Vascular Institute, Saket, New Delhi, India

**Kiran Sagar, MD**, Professor of Medicine/Cardiology, University of Wisconsin, Milwaukee, Wisconsin

**David J. Sahn, MD**, Professor of Pediatrics, Diagnostic Radiology, Obstetrics & Gynecology and Biomedical Engineering and Director, OHSU Interdisciplinary Program for Cardiac Imaging, Oregon Health & Science University, Portland, Oregon

**Ernesto E. Salcedo, MD**, Professor of Medicine, University of Colorado Denver and Director of Echocardiography, University of Colorado Hospital, Denver, Colorado

**Muhamed Saric, MD, PhD**, Associate Director, Echocardiography Lab, New York University Medical Center, New York, New York

**Gyanendra Sharma, MD**, Associate Professor of Medicine, Intern Director, Adult Echocardiography Laboratory and Medical Director, Cardiovascular Outpatient Center, Division of Cardiology, Medical College of Georgia, Augusta, Georgia

**Takahiro Shiota, MD**, Professor of Medicine, Cedars-Sinai Heart Institute, Los Angeles, California

**Vibhuti Singh, MD, MPH**, Assistant Professor of Medicine, University of South Florida College of Medicine, Tampa, Florida

**Chittur A. Sivaram, MD**, Professor of Medicine, Vice Chief (Cardiovascular Section) and Director of Cardiology Fellowship Training

Program, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma

**Ivan Sokol, MD**, Consultant and Attending Cardiologist, Institute for Cardiovascular Diseases, Dubrava University Hospital, Zagreb, Croatia

**Shubhika Srivastava, MBBS**, Associate Professor of Pediatrics, and Director, Pediatric and Fetal Echocardiography Laboratory, Division of Pediatric Cardiology, Mount Sinai Medical Center, New York, New York

**William J. Stewart, MD**, Associate Professor of Medicine and Director, Cardiovascular Disease Curriculum, Cleveland Clinic Lerner College of Medicine and Staff Cardiologist, Heart and Vascular Institute, Department of Cardiovascular Medicine, Section of Cardiovascular Imaging, Cleveland, Ohio

**Cynthia Taub, MD**, Director, Non-invasive Cardiology, Einstein Division Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, New York

**Dennis A Tighe, MD**, Professor of Medicine and Associate Director, Noninvasive Cardiology, University of Massachusetts Medical School, Worcester, Massachusetts

**Zvi Vered, MD**, Professor of Cardiology, Tel Aviv University and Director, Department of Cardiology, Assaf Harofeh Medical Center, Tel Aviv, Israel

**Donald J. Voelker, MD**, Adjunct Clinical Professor of Medicine, University of Arkansas for Medical Sciences, Little Rock, Arkansas and Medical Director, Cardiac Computed Tomography Services and Associate Chief, Cardiovascular Services, Medical Center of South Arkansas, El Dorado

**Veronica Volberg, MD**, Medical Staff, Echo Lab, Cardiology Division, Hospital de Clinicas "J. de San Martin", Universidad de Buenos Aires, Argentina

**Szilard Voros, MD**, Chief Scientific Officer and Chief, Prevention, Wellness and Women's Heart Disease and Medical Director, Cardiovascular Magnetic Resonance Imaging and Computed Tomography, Fuqua Heart Center of Atlanta, Piedmont Heart Institute, Atlanta, Georgia

**Gaby Weissman, MD**, Assistant Professor, Georgetown University, Cardiovascular Imaging, Washington Hospital Center, Washington, D.C.

**Timothy D. Woods, MD**, Associate Professor of Medicine, Medical College of Wisconsin, Milwaukee, Wisconsin

**Cheuk-Man Yu, MBChB**, Professor of Medicine and Assistant Dean (External Affairs), Head, Division of Cardiology, Department of Medicine & Therapeutics and Director (Clinical Science), Institute of Vascular Medicine, The Chinese University of Hong Kong, Hong Kong

## CASE STUDIES IN ECHOCARDIOGRAPHY

Saturday, March 13, 2010

7:00-7:30 am

Registration, Coffee/Tea

7:25-7:30 am

Welcome and Course Orientation - Dr. Navin Nanda

Each faculty case presenter will be allotted 6 minutes. This will include presentation of pertinent clinical findings, echocardiogram, questions for the audience

7:30-10:00 am

**Session I. Cardiomyopathy, Congenital Heart Disease, CT/MRI, Intracardiac Echo, LV, Masses, Myocardial Infarction, Percutaneous Devices, Tissue Doppler Imaging, Valvar Heart Disease, Velocity Vector Imaging, 3D Echo, Miscellaneous.**

Case Presentations and Discussion, Cases 1-21

Moderators: Drs. Kul Aggarwal, Masood Ahmad, Zvi Vered and Donald Voelker

Dr. Kul Aggarwal (Doppler estimation of PA systolic pressure in a case of severe tricuspid regurgitation); Dr. Masood Ahmad (an interesting 3D case); Dr. Luis Maria Amuchastegui (device closure of left atrial appendage); Dr. Thomas Bartel (spontaneous rupture of the dissected coronary sinus mimicking acute coronary syndrome); Rolf Baumann (new 3D analysis methods for left ventricle); Pamela R. Burgess (interesting case study); Dr. Brian G. Choi (estimation of right ventricular systolic pressure by CT coronary angiography); Dr. Nilda Espinola-Zavaleta (interesting case study); Dr. Rachel Hughes-Doichev (interesting case study); Dr. Omer Iqbal (interesting case study); Dr. James N. Kirkpatrick (interesting case study); Dr. Arthur J. Labovitz (interesting case study); Dr. Michele Nanna (interesting adult congenital heart disease); Dr. Daniel Jose Pineiro (interesting case study); Dr. Joel S. Raichlen (interesting case study); Dr. C.P. Roy (an interesting case of cardiac mass); Dr. Kiran Sagar (unusual

cause of myocardial infarction); Dr. Gyanendra Sharma (cardiac amyloidosis: diagnostic value of MRI); Dr. Zvi Vered (interesting case study); Dr. Donald J. Voelker (interesting cardiac CT case); Dr. Timothy D. Woods (interesting case study)

10:00-10:30

Refreshment break and visit exhibits

10:30-11:30 am

**Session II. Biventricular Pacing, Cardiomyopathy/Myocarditis, Coronary Artery Disease, CT/MRI, Echo Quantification, Embolism, LV Diastolic Function, Masses, Post Intervention, Prosthetic Valves, Shunt Lesions, Valvar Heart Disease, 3D Echo.**

Case Presentations and Discussion, Cases 22-30

**Moderators: Drs. Robert W.W. Biederman, P.A.N. Chandraratna, Lee J. Frazin and Ernesto E. Salcedo**

Dr. Helmut Baumgartner (which kind of shunt lesion is that?); Dr. Robert W.W. Biederman (does cardiac MRI assist in this case?); Dr. P.A.N. Chandraratna (studies on left ventricular changes during squatting); Dr. Dali Fan (interesting case study); Dr. Lee J. Frazin (interesting case study); Bernhard Mumm (new cardiac quantification technologies); Dr. David J. Sahn (interesting case study); Dr. Ernesto E. Salcedo (interesting case study); Dr. Cheuk-Man Yu (dyssynchrony in bradycardia pacing with normal ejection fraction: new role of biventricular pacing)

11:30-1:00 pm

**Session III. Aortic Pathologies, Cardiac Dyssynchrony, Congenital Heart Disease, Critical Care, CT/MRI, Masses, Pericarditis, Stress Echo, Valvar Heart Disease, Valve Repair, 3D Echo.**

Case Presentations and Discussion, Cases 31-47

**Moderators: Drs. Raimund Erbel, Smadar Kort, and Hanumanth K. Reddy**

Dr. Roland R. Brandt (interesting case study); Dr. Salvatore P. Costa (case with a discrepancy in LV size using linear measurements vs. 3D volumes); Dr. Raimund Erbel (echocardiographic assessment of RA angiosarcoma embolization mimicking RA myxoma); Dr. John Gorcsan III (interesting case study); Dr. Chisato Izumi (case of prosthetic valve endocarditis: usefulness of 3D TEE); Dr. Leng Jiang (interesting case study); Dr. Martin G. Keane (interesting case study); Dr. Bijoy K. Khandheria (what ails this patient?); Dr. Smadar Kort (interesting case study); Dr. Gerald Maurer (interesting case study); Dr. Navin C. Nanda (interesting case study); Dr. Ryozo Omoto (interesting case study); Dr. Nelson Pizzano (interesting case study); Dr. Hanumanth K. Reddy (how to be on high alert for aortic dissection); Dr. Takahiro Shiota (a case with mitral paravalvular leak and 3D TEE); Dr. Dennis A. Tighe (interesting case study); Dr. Szilard Voros (interesting case study)

1:00 – 2:00 pm

Lunch on your own

2:00 – 3:30 pm

**Session IV. Cardiomyopathy/Myocarditis, CT/MRI, Congenital Heart Disease, Endocarditis, Heart Failure, Post Intervention,**

**tion, Prosthetic Valves, Pulmonary Hypertension, RV Function, Strain and Strain Rate, Valve Repair and Surgery, 3D Echo.**

Case Presentations and Discussion, Cases 48-61

**Moderators: Drs. Reema Chugh, Kameswari Maganti, Sunil Mankad, and Muhamed Saric**

Dr. Reema Chugh (echocardiography in women with congenital heart disease and pregnancy); Dr. Julius M. Gardin (interesting case study); Dr. Jaroslaw D. Kasprzak (complicated case of low-output aortic stenosis); Dr. Kameswari Maganti (interesting case study); Dr. Amgad N. Makaryus (interesting case relating to echo/CT/MRI); Dr. Judy R. Mangion (interesting case of propionibacterium prosthetic aortic valve endocarditis); Dr. Sunil Mankad (interesting case of peri-prosthetic mitral regurgitation); Dr. Natesa G. Pandian (heart failure and increased LV wall thickness); Dr. Athena Poppas (a cause of aortic insufficiency); Dr. Muhamed Saric (interesting case study); Dr. Ivan Sokol (interesting case study); Dr. William J. Stewart (3D echo in repair for mitral regurgitation); Dr. Cynthia Taub (interesting case study); Dr. Gaby Weissman (young man with left ventricular dilation)

3:30 pm

Afternoon refreshment break

3:30 – 6:00 pm

**Session V. Cardiomyopathy/Myocarditis, Coronary Aneurysm, Embolism, Endocarditis, Heart Failure, Masses, Myocardial Infarction, Pericardial Disease, Peripheral Arterial Disease, Prosthetic Valves, RV Volume, Systemic Diseases, Trauma, Valvar Heart Disease, Valve Repair, 3D Echo, Miscellaneous.**

Cases 62-83

**Moderators: Drs. Brian D. Hoit, H. Joachim Nesser, Vibhuti Singh, and Chittur A. Sivaram**

Dr. Aiden Abidov (interesting case study); Dr. Ricardo Abugattas (interesting case study); Dr. Harry Acquatella (interesting case study); Dr. Daniel Areco (please, help me with this patient); Dr. Jose Carlos C. Armendariz Ferrari (unusual case of myocardial infarction); Dr. Francisco J. Cordova (interesting case study); Dr. Thor Edvardsen (interesting case study); Dr. Alexander Gedevanishvili (interesting case study); Dr. Mark Goldberger (interesting case study); Dr. Kishore J. Harjai (interesting case study); Dr. Brian D. Hoit (interesting case study); Dr. Kai-Sheng (acute Kawasaki disease with giant bilateral coronary aneurysms and recurrent thrombosis in left coronary aneurysm); Dr. Andres Jaussi (an unusual case of aortic regurgitation); Dr. Madhavi Kadiyala (an unusual cardiomyopathy – the age of multi-modality imaging); Dr. Allan L. Klein (role of echo in pericardial disease); Dr. Stephen H. Little (interventional imaging: 3D TEE for percutaneous valve repair); Dr. H. Joachim Nesser (interesting case study); Dr. Gustavo Restrepo (interesting case study); Dr. Vibhuti Singh (interesting valvular case by echo/cardiac CT/MRI); Dr. Chittur A. Sivaram (interesting case study); Dr. Shubhika Srivastava (interesting case study); Dr. Veronica Volberg (interesting case study)

6:00 pm

Adjournment