



Expanding the Boundaries: Bridging The Gap Between Research and Clinical Practice

asn
2004

Hilton New York – New York, NY
September 30 – October 3, 2004

American Society of Nuclear Cardiology
9th Annual Scientific Session

Final Program

You are invited to learn how to...

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Friday, October 1, 2004 • 12:00 NOON – 1:30 PM • West Ballroom, Hilton New York, NY

Please visit us at booth #142.



Robert C. Hendel, MD

President, ASNC

On behalf of the American Society of Nuclear Cardiology, I would like to welcome you to New York and the 9th Annual Scientific Session. The meeting's theme, *Expanding the Boundaries: Bridging the Gap Between Research and Clinical Practice*, is the culmination of an initiative begun one year ago, designed to further stretch the applications of nuclear cardiology and to provide new directions, such as cardiovascular molecular imaging. However, an additional focus of this past year, which is evident at this year's Annual Meeting, is the global nature of nuclear cardiology, with a prominent faculty from around the world and an anticipated large international attendance.

This meeting serves as an excellent opportunity for preparation for the nuclear cardiology certification examination offered by the CBNC. In addition to a board-review approach featured in the "Core Curriculum" track, a self-assessment review is offered on Saturday evening and Sunday afternoon. Other well-received programs have returned, such as the "Science of Imaging" (physics and beyond) and an advanced clinical track. A new "Investigative" track provides a research-focused approach and the "Technical" track provides specific details in the performance of nuclear cardiology procedures and laboratory optimization.

One of the highlights of this year's meeting will be the Mario Verani Memorial Lecture, which will be delivered at the opening session by Dr. Frans J. Th. Wackers, who will discuss his impressions regarding the future of clinical nuclear cardiology. As was true with Dr. Verani, Dr. Wackers is a former President of ASNC and world renowned for his insights and innovations. We are also very excited to have Dr. Nanette K. Wenger deliver a keynote address on coronary heart disease in women 2004: problems, progress and prospects.

In addition to the wonderful educational opportunities provided by ASNC2004, I hope you have a chance to meet with your colleagues and get to know many ASNC members and leaders. I look forward to meeting you at the opening reception on Thursday, September 30, 2004 from 5:00-7:00 PM. Also, please visit the vendors and acknowledge their strong support for our field.

ASNC will be conducting a demonstration of state-of-the-art interconnectivity in nuclear cardiology using the DICOM standard. The CD provided in your registration packets represents hundreds of hours of work from our industry colleagues, in an effort to further connectivity among vendors with PACS systems, and permit PC review of nuclear cardiology studies. Many of the vendors will be participating in this demonstration. So be sure to bring the CD with you when you visit the vendors.

I would like to thank the Scientific Program Committee and the ASNC staff for all of their hard work in putting together this exciting program. Of course, I wish to express my gratitude for our wonderful, hard-working faculty, especially the international members who have come a great distance to share the latest information on nuclear cardiology in their countries. Above all else, I would like to thank and congratulate Dr. Jennifer Mieres for her tireless work on the program—we are all very proud of her!

So, expand your own boundaries at ASNC2004 and enjoy the program and our host city.





Jennifer H. Mieres, MD

ASNC2004 Program Chair

ASNC2004 offers many opportunities for attendees to hear and see new ideas and learn new technologies. In addition to the four educational tracks we have several new programs.

New this year is ASNC's collaboration with the American Society of Echocardiography in a joint session examining three-dimensional imaging and the noninvasive assessment of heart failure patients. This session is scheduled during the core meeting hours. Additionally, ASNC, in conjunction with other cardiovascular groups, has developed two satellite sessions. On Thursday evening, ASNC and the Society of Atherosclerosis Imaging will present a program focusing on multiple modalities for imaging ischemic heart disease. On Friday evening, ASNC, North Shore Long Island Jewish Health System, and AHA are co-sponsoring a dinner program focusing on coronary heart disease in women, with the keynote address by Dr. Wenger who will discuss guidelines for the prevention of cardiovascular disease in women.

Following up on the success of the 2003 Self Assessment Review, we have expanded this satellite program into two parts, the first part is a 40 question multiple choice examination and part two will be a review of the questions and answers. The questions are based exclusively on the material presented during the Science of Imaging and the core curriculum, and is an ideal opportunity for those preparing for the CBNC certification examination to test their knowledge.

I would like to repeat Dr. Hendel's thanks to the faculty by adding my own thanks. Also, it has been a pleasure working with the Program Committee. Additionally I would like to thank the abstract graders. We look forward to two excellent poster sessions as well as an impressive group of oral abstracts to be presented by the Young Investigator finalists. Thanks to Bristol-Myers Squibb Medical Imaging for continuing to support the YI competition. Congratulations also to the Fujisawa Travel Award recipients. Without the continued support of our industry sponsors, ASNC could not continue to provide high-quality programs such as ASNC2004. In addition to Bristol-Myers Squibb Medical Imaging and Fujisawa Healthcare, Inc. we would like to thank GE Healthcare, Philips Medical Systems, Siemens Medical-Nuclear Medicine Group, Digirad, Bracco Diagnostics Inc., Mallinckrodt, SynterMed and King Pharmaceuticals.

Lastly, be sure to save a little time to experience what New York City, the "Capital of the World" has to offer. Take in a show, have a great dinner, visit Rockefeller Center or jog through Central Park.





Dear Friends:

It is a pleasure to send greetings to everyone attending the 9th Annual Symposium and Scientific Session of the American Society of Nuclear Cardiology and to welcome you to New York City.

I commend the physicians, scientists, technologists, computer specialists and all those participating in this event for your commitment to assisting ASNC fulfill its mission to strengthen the nuclear cardiology field. Throughout this conference, you will have the wonderful opportunity to meet with your peers and discuss advances in the field and important health issues.

In addition, I acknowledge all those associated with ASNC for your tremendous efforts to provide Americans with high-quality healthcare and for making this conference possible. The City of New York is delighted to host this event and I hope that while you and your guests are here, you will have the opportunity to take advantage of some of the City's outstanding cultural and social offerings, including our many great restaurants, theater productions and historical landmarks.

Please accept my best wishes for an informative and enjoyable meeting.

Sincerely,

A handwritten signature in black ink that reads "Michael R. Bloomberg".

Michael R. Bloomberg
Mayor

*Welcome to
The Big Apple!*



Schedule-At-A-Glance



	East Ballroom	Rendezvous Trianon	Petite Trianon	Sutton Center	Beekman Parlor
Thursday, September 30, 2004					
11:30am	Science of Imaging				
12:00pm					
12:30pm					
1:00pm					
1:30pm					
2:00pm					Technologists Considerations for the Future
2:30pm					
3:00pm					
3:30pm					
4:00pm					
4:30pm					
5:00pm					
5:30pm					
Friday, October 1, 2004					
8:00am					
8:30am	Plenary I				
9:00am					
9:30am					
10:00am					
10:30am	Fundamentals of Myocardial Perfusion and Function Imaging I	Clinical Application of Radiopharmaceuticals	Optimizing the Quality of the Acquisition	RWTE Marla C. Kiess, MD	RWTE Timothy M. Bateman, MD S. James Cullom, PhD
11:00am					
11:30am					
12:00pm					
12:30pm					
1:00pm					
1:30pm		Attenuation Correction: Ready for Prime Time	Processing and Filtering	RWTE Ronald G. Schwartz, MD	RWTE William A. Van Decker, MD Marko Yakovlevitch, MD
2:00pm					
2:30pm					
3:00pm					
3:30pm	Fundamentals of Myocardial Perfusion and Function Imaging II	Non-invasive Imaging of Vulnerable Plaque	Recognizing Artifacts	RWTE Elias H. Botvinick, MD	RWTE Jamshid Maddahi, MD Edouard R. Daher, MD
4:00pm					
4:30pm					
5:00pm					
5:30pm					
Saturday, October 2, 2004					
8:00am	Plenary II				
8:30am					
9:00am		Joint ASNC/ASE: A View to the Future			
9:30am					
10:00am					
10:30am	Fundamentals of Nuclear Cardiology: Risk Assessment		Stress Testing	RWTE Milena Henzlova, MD Lori Croft, MD	RWTE Manuel D. Cerqueira, MD Dipti Itchhaporia, MD
11:00am					
11:30am					
12:00pm					
12:30pm					
1:00pm					
1:30pm	Fundamentals of Positron Emission Tomography	Clinical Challenges: Cardiac Imaging	Keeping Your Stress Lab Safe	RWTE Kim A. Williams, MD Thomas A. Holly, MD	RWTE Daniel S. Berman, MD
2:00pm					
2:30pm					
3:00pm					
3:30pm	Fundamentals of Nuclear Cardiology: Quantitative Analysis	Diagnosis and Risk Stratification	Quality in Nuclear: More than Just the Image	RWTE Raymond J. Gibbons, MD P. Chareonthaitawee, MD	RWTE Michael Miyamoto, MD Gregory Thomas, MD, MPH
4:00pm					
4:30pm					
5:00pm					
5:30pm					
Sunday, October 3, 2004					
8:00am	Plenary III				
8:30am					
9:00am		Assessment of Myocardial Viability and Hibernation			
9:30am					
10:00am					
10:30am	Myocardial Perfusion and Function Imaging in Cardiomyopathy	Research Grant Presentations and Clinical Trials			
11:00am					
11:30am					
12:00pm					
12:30pm					

Sutton North	Sutton South	Regent Parlor	Mercury Ballroom	3rd floor Promenade	Murray Hill Suite
Advocacy Issues Forum					
RWTE E. Gordon DePuey, MD	RWTE Dennis A. Calnon, MD Kanny S. Grewal, MD	RWTE Kenneth A. Brown, MD Randall C. Thompson, MD			
RWTE Dominique Delbeke, MD João V. Vitola, MD, PhD	RWTE Sonia Merlano, MD Rory Hachamovitch, MD	RWTE Jeffrey A. Rosenblatt, MD Mylan C. Cohen, MD, MPH			
RWTE Robert C. Hendel, MD Olakunle Akinboboye, MBBS	RWTE Josef Machac, MD	RWTE Mary N. Walsh, MD Jackie J. Swaim, CNMT	Vendors Forum	Poster Session I	
					Evaluation and Management of Ischemia and Heart Failure I
RWTE Jean Cacciabaudou, MD David Rosman, MD	RWTE David G. Wolinsky, MD	RWTE Mark I. Travin, MD Robert A. Vaccarino, MD			Young Investigator Competition
RWTE Guido Germano, PhD John D. Friedman, MD	RWTE John J. Mahmarian, MD	RWTE Michael R. Freeman, MD Roberto Roberti, MD			Evaluation and Management of Ischemia and Heart Failure II
RWTE Kenneth J. Nichols, PhD	RWTE João V. Vitola, MD, PhD Vincent JB Robinson, PhD	RWTE George A. Beller, MD Paola Smanio, MD		Poster Session II	Evaluation and Management of Ischemia and Heart Failure III
					Business of Imaging

asnc 2004

American Society of Nuclear Cardiology
9th Annual Scientific Session

The primary objectives of the scientific session are to enable registrants to:

- understand current laboratory procedures in nuclear cardiology
- develop skills in camera/computer systems
- test and improve interpretive skills
- improve skills in the use of nuclear cardiology procedures in clinical decision-making
- learn about the latest scientific advances in the field of nuclear cardiology
- gain technical information in the performance of nuclear cardiology procedures
- obtain cost-related information in the practice of nuclear cardiology
- acquire skills in the efficient operation of a nuclear cardiology practice
- meet experts in all aspects of nuclear cardiology
- interact with other nuclear cardiology practitioners from around the world

GE Healthcare is an ASNC sponsor of educational programs. The following content is provided for informational purposes only.



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References: 1. MYOVUE™ Prescribing Information. 2. Münch G, Neverve J, Matsunari I, Schröter G, Schwaiger M. Myocardial technetium-99m-tetrofosmin and technetium-99m-sestamibi kinetics in normal subjects and patients with coronary artery disease. *J Nucl Med*. 1997;38:428-432. 3. Higley B, Smith FW, Smith T, et al. Technetium-99m-1,2-bis(bis(2-ethoxyethyl) phosphino) ethane: human biodistribution, dosimetry and safety of a new myocardial perfusion imaging agent. *J Nucl Med* 1993;34:30-38. 4. Jain D. Technetium-99m labeled myocardial perfusion imaging agents. *Semin Nucl Med* 1999;29:221-236.

In studying patients with known or suspected coronary artery disease, care should be taken to ensure continuous cardiac monitoring and the availability of emergency cardiac treatment. As with all injectable drug products, allergic reactions and anaphylaxis may occur. Pharmacologic induction of cardiovascular stress may be associated with serious adverse events such as myocardial infarction, arrhythmia, hypotension, bronchoconstriction, and cerebrovascular events. Caution should be used when pharmacologic stress is selected as an alternative to exercise; it should be used when indicated and in accordance with the pharmacologic stress agent's labeling. The most common adverse reactions reported from post-marketing experience included rash, urticaria, abnormal vision, allergic reactions and fever.

GE Healthcare





ASNC 2004 Final Program



Thursday, September 30, 2004

I. 11:30am-5:30pm Science of Imaging

East Ballroom

Moderators: S. James Cullom, PhD, Edward P. Ficaro, PhD,
Guido Germano, PhD

- 11:30am Introduction to nuclear physics
Michael A. King, PhD
- 12:20pm Radiation detection and measurement
Steven L. Bacharach, PhD
- 1:10pm **Break**
- 1:30pm Radionuclide production and radiopharmaceuticals - James R. Galt, PhD
- 2:00pm Overview of SPECT & PET physics, imaging parameters & quality control
James A. Case, PhD
- 2:30pm Image reconstruction and filtering
E. Lindsey Tauxe, CNMT, MED
- 3:00pm Imaging protocols, including perfusion, viability and gating - Kevin W. Moser, PhD
- 3:25pm **Break**
- 3:45pm Advanced image processing including attenuation, motion and scatter correction
Edward P. Ficaro, PhD
- 4:15pm Image quantitation and analysis
Jack A. Ziffer, PhD, MD
- 4:45pm Radiation safety and dosimetry
William Robeson, MS

Noon-2:00pm ICANL Getting Started Workshop

Sutton North

Sponsored by the Intersocietal Commission for the Accreditation of Nuclear Medicine Laboratories (not programmed by ASNC, approved by the Society of Nuclear Medicine for 2 V.O.I.C.E. credit hours)

2. 2:00-5:00pm Technologists Considerations for the Future

Beekman Parlor

Moderators: Edward L. Lyons, Jr., CNMT,
April Mann, CNMT, NCT, RT(N)

- 2:00pm Technical consideration for attenuation correction - Daniel Zebrowski, CNMT, NCT
- 2:45pm Cardiovascular disease update: the role of risk management - Rory Hachamovitch, MD
- 3:30pm Technical considerations for cardiac PET
Kenneth J. Nichols, PhD
- 4:15pm Technologists considerations for PET/CT
Lyn M. Mehlberg, CNMT

2a. 3:30-4:45pm Advocacy Issues Forum

Sutton North

Moderator: Timothy M. Bateman, MD

- 3:30pm The government relations process – coordinating ASNC and ACC advocacy activities
Timothy M. Bateman, MD
- 3:45pm Reimbursement for nuclear cardiology: short-term and long-term challenges
Manuel D. Cerqueira, MD
- 4:00pm Cardiology imaging: the self-referral conundrum
William A. Van Decker, MD
- 4:15pm Nuclear cardiology reimbursement and private payers - Gregory S. Thomas, MD, MPH
- 4:30pm Panel discussion

5:00-7:00pm Exhibitors' Reception and Exhibit Hall Opening

Americas Hall 1 and 3rd floor West Promenade

3. 7:00-9:00pm Imaging the Patient with Coronary Artery Disease: Where We Are in 2004 Separate Registration

Beekman Parlor

Sponsored by ASNC in conjunction with the Society of Atherosclerosis Imaging

Moderators: Jack E. Ziffer, PhD, MD, Michael Poon, MD





- 7:00pm Magnetic resonance - *Dudley J. Pennell, MD*
- 7:25pm Computer tomography - *Paolo Raggi, MD*
- 7:50pm PET - *Robert J. Gropler, MD*
- 8:15pm SPECT and integration of modalities
Daniel S. Berman, MD
- 8:40pm Panel Discussion

Friday, October 1, 2004

4. 8:30-9:30am Plenary Session I

East Ballroom

Moderator: *Jennifer H. Mieres, MD*

- 8:30am Welcome and symposium orientation
Jennifer H. Mieres, MD
- 8:35am State of the specialty address
Robert C. Hendel, MD
- 8:40am Looking ahead to 2005
Kim A. Williams, MD
- 8:50am Presentation of research grant awards and recognition of Fujisawa travel grant award winners
Robert C. Hendel, MD

9:00am Mario Verani Memorial Lecture

Moderator: *Manuel D. Cerqueira, MD*

This lecture series was established in honor of Dr. Mario Verani, a founder and fourth president of ASNC.

The Future of Clinical Nuclear Cardiology
Frans J. Th. Wackers, MD, PhD

9:30-10:15am ASNC Annual Business Meeting

Rendezvous Trianon

9:30am-4:30pm Exhibit Hall Open

Americas Hall 1 and 2nd floor West Promenade

10:15-10:30am Break

5. 10:30am-Noon Fundamentals of Myocardial Perfusion and Function Imaging I

East Ballroom

Moderators: *Manuel D. Cerqueira, MD, Marko Yakovlevitch, MD*

- 10:30am A comparison of radiopharmaceutical agents
Howard C. Lewin, MD
- 10:50am Optimizing myocardial perfusion imaging protocols - *Brian G. Abbott, MD*
- 11:10am Practical aspects in pharmacologic stress
Diwakar Jain, MD
- 11:30am Artifacts in SPECT perfusion and function imaging - *Gary V. Heller, MD, PhD, April Mann, CNMT, NCT, RT(N)*
- 11:50am Panel discussion

6. 10:30am-Noon Clinical Applications of New Radiopharmaceuticals, Alternative Pharmacologic Stressors and Novel Tracers for Cardiac Imaging

Rendezvous Trianon

Moderators: *James E. Udelson, MD, George A. Beller, MD*

- 10:30am Selective A2a agonists - *Robert C. Hendel, MD*
- 10:50am Ischemic memory imaging tracers
James E. Udelson, MD
- 11:10am Cardiac neuronal imaging tracers
Mark I. Travin, MD
- 11:30am Novel tracers for cardiac PET
Steven R. Bergmann, MD, PhD
- 11:50am Panel discussion

7. 10:30am-Noon Optimizing the Quality of the Acquisition

Petit Trianon

Moderators: *Rose M. Delo, CNMT, NCT, Haresh Majmundar, CNMT, RT(N)*

- 10:30am Tracers - *Milena Henzlova, MD*
- 10:50am Imaging protocols - *Donna M. Polk, MD*
- 11:10am Acquisition: parameters and consideration
Wendy Bruni, CNMT, NCT

10:30am-Noon Read With The Experts (5)

Rooms sponsored by *Bracco Diagnostics Inc., Digirad, GE Healthcare, Philips Medical Systems*

8. Evaluation of ventricular function: first pass and RNV

Sutton Center

Marla C. Kiess, MD

9. Attenuation correction

Beekman Parlor

Timothy M. Bateman, MD, S. James Cullom, PhD



10. Advanced artifacts

Sutton North

E. Gordon DePuey, III, MD

11. Basics of gated SPECT

Sutton South

Dennis A. Calnon, MD, Kanny S. Grewal, MD

12. Focus on CAD diagnosis and prognosis

Regent Parlor

Kenneth A. Brown, MD, Randall C. Thompson, MD

13. Noon-1:30pm Lunch Symposium

West Ballroom

Sponsored by Bristol-Myers Squibb Medical Imaging

"Systematic Approach to Effective Reporting"

Speakers: E. Gordon DePuey, III, MD,

Robert C. Hendel, MD

14. Noon-1:30pm Lunch Symposium

Trianon Ballroom

Sponsored by Fujisawa Healthcare, Inc.

"The Not-so-Distant Future of Pharmacologic Stress"

Moderator: Jeffrey A. Leppo, MD

Speakers: Timothy M. Bateman, MD,

Manuel D. Cerqueira, MD,

Gregory S. Thomas, MD, MPH

15. 1:30-3:00pm Attenuation Correction: Ready for Prime Time 

Rendezvous Trianon

Moderators: Robert C. Hendel, MD, Guido Germano, PhD

1:30pm Overview and solutions of attenuation correction - *Gary V. Heller, MD, PhD*

1:50pm Physics of attenuation correction
Edward P. Ficaro, PhD

2:10pm Devices for attenuation correction
James A. Case, PhD

2:30pm Clinical applications of attenuation correction
Timothy M. Bateman, MD

2:50pm Panel discussion

16. 1:30-3:00pm Processing and Filtering 

Petit Trianon

Moderators: Wendy Bruni, CNMT, NCT,

Robert A. Vaccarino, MD

1:30pm Processing: parameters and considerations
Russell Folks, CNMT, RT(N)

2:00pm Theory of filtering - *E. Lindsey Taupe, CNMT, MED*

1:30-3:00pm Read With The Experts (5) 

Rooms sponsored by Bracco Diagnostics Inc., Digirad,

GE Healthcare, Philips Medical Systems

17. Assessing efficacy of therapy for CAD: medical and PCI

Sutton Center

Ronald G. Schwartz, MD

18. Gated SPECT

Beekman Parlor

William A. Van Decker, MD, Marko Yakovlevitch, MD

19. Myocardial viability

Sutton North

Dominique Delbeke, MD, João V. Vitola, MD, PhD

20. Artifacts and challenging cases in daily practice

Sutton South

Sonia Merlano, MD, Rory Hachamovitch, MD

21. Upright imaging

Regent Parlor

Jeffrey A. Rosenblatt, MD, Mylan C. Cohen, MD, MPH

3:00-3:30pm Break

22. 3:30-5:00pm Fundamentals of Myocardial Perfusion and Function Imaging II 

East Ballroom

Moderators: Kim A. Williams, MD, Joseph Diamond, MD

3:30pm Quality control - *Ernest V. Garcia, PhD*

3:50pm Systemic approach to interpretation of gated SPECT images - *James E. Udelson, MD*

4:10pm Gated SPECT - clinical applications and should we include left ventricular volumes
E. Gordon DePuey, III, MD

4:30pm Attenuation correction - *Edward P. Ficaro, PhD*

4:50pm Panel discussion

23. 3:30-5:00pm Non-invasive Imaging of Vulnerable Plaque 

Rendezvous Trianon

Moderators: Kevin C. Allman, MD, Mylan C. Cohen, MD, MPH

3:30pm Atherosclerosis imaging on the molecular level
Frank M. Bengel, MD



- 3:50pm The power of intravascular ultrasound
Michael H. Picard, MD
- 4:10pm Cardiovascular MR imaging of the vessel wall
Juan Jose Badimon, PhD
- 4:30pm Combination of CT and PET:
The tool of the future - *Ahmed Tawakol, MD*
- 4:50pm Panel discussion

24. 3:30-5:00pm Vendors Forum: Hardware and Software 

Mercury Ballroom

Moderators: *Guido Germano, PhD, Steven C. Port, MD*

25. 3:30-5:00pm Recognizing Artifacts 

Petit Trianon

Moderators: *Jennifer S. Keppler, CNMT, RT(N),
Patty Reames, CNMT, RT(N), NCT*

- 3:30pm Camera related artifacts
April Mann, CNMT, NCT, RT(N)
- 4:15pm Patient related artifacts
Danny A. Basso, CNMT, NCT

3:30-5:00pm Read With The Experts (5) 

Rooms sponsored by *Bracco Diagnostics Inc., Digirad,
GE Healthcare, Philips Medical Systems*

26. Unusual artifacts and other challenges

Sutton Center

Elias H. Botvinick, MD

27. Viability

Beekman Parlor

Jamshid Maddahi, MD, Edouard R. Daher, MD

28. Challenging cases

Sutton North

Robert C. Hendel, MD, Olakunle O. Akinboboye, MB BS

29. Clinical correlation: PET

Sutton South

Josef Machac, MD

30. Congestive heart failure

Regent Parlor

Mary N. Walsh, MD, Jackie J. Swaim, CNMT

31. 4:00-5:30pm Moderated Poster Session I 

3rd floor West Promenade

Discussants: *Myron C. Gerson, MD, Jeffrey A. Leppo, MD,
Jeffrey A. Rosenblatt, MD,
Gregory S. Thomas, MD, MPH*

- 31.01 PROGNOSTIC VALUE OF ADENO-WALK STRESS COMPARED TO THE REGULAR ADENOSINE AND TREADMILL EXERCISE STRESS IN PATIENTS UNDERGOING GATED MYOCARDIAL PERFUSION SPECT
A Abidov, R Hachamovitch, JD Friedman, SW Hayes, X Kang, I Cohen, G Germano, DS Berman
- 31.02 ATTENUATION CORRECTION IN MYOCARDIAL SPECT USING GADOLINIUM-153 LINE SOURCES OR LOW-DOSE CT: COMPARISON OF PHANTOM AND PATIENT EXAMINATIONS
A Kjaer, A Cortsen, M Federspiel, S Holm, M O'Connor, B Hesse
- 31.03 MECHANISM OF TACHYCARDIA DURING MYOCARDIAL PERFUSION IMAGING WITH ADENOSINE
AK Dhalla, M-Y Wong, W-Q Wang, L Belardinelli
- 31.04 GENDER DIFFERENCES IN PATIENTS WHO DEVELOP ST SEGMENT ELEVATION DURING STRESS MYOCARDIAL PERFUSION IMAGING (MPI)
A Epps, S Dave, K Brewer, S Chiamaramida, L Gordon, GH Hendrix
- 31.05 BODY-AND-LUNGS-OUTLINE PENALIZED-LIKELIHOOD RECONSTRUCTION OF ASYMMETRIC CONE-BEAM TRANSMISSION DATA ACQUIRED WITH LESS THAN COMPLETE GANTRY ROTATION
B Feng, PH Pretorius, PP Bruyant, G Boening, RD Beach, HC Gifford, JA Fessler, MA King
- 31.06 ATTENUATION CORRECTION OF DYNAMIC Tc99m-TEBOROXIME MYOCARDIAL PERFUSION SPECT
B-L Hsu, JA Case, LL Gegen, GK Hertenstein, SJ Cullom, TM Bateman
- 31.07 DETERMINATION AND PROSPECTIVE VALIDATION OF NORMAL VALUES OF DIASTOLIC PARAMETERS IN 16-FRAME Tc-99m MIBI GATED MYOCARDIAL PERFUSION SPECT
C Akincioglu, A Abidov, H Nishina, P Kavanagh, X Kang, F Aboul-Enein, L Yang, S Hayes, J Friedman, D Berman, G Germano
- 31.08 DIAGNOSTIC PERFORMANCE OF TOTALLY AUTOMATIC VS. MANUAL PROCESSING FOR THE QUANTIFICATION OF MYOCARDIAL PERFUSION SPECT
CA Santana, A Rivera, RD Folks, GB Grossman, CD Cooke, A Hunsche, TL Faber, R Halkar, EV Garcia
- 31.09 IMPROVED ACCURACY OF SPECT THALLIUM-201 USING WAVELET PREFILTERING
CL Hansen, S Silver, A Kaplan, R Rasalingam, M Awar, S Shirato, K Reist



- 31.10 IMPROVED PARAMETRIC MODELING OF LEFT VENTRICULAR FUNCTION USING GAUSSIAN FITTING
CL Hansen, S Silver, A Kaplan, R Rasalingam, M Awar, S Shirato, K Reist
- 31.11 REPRODUCIBILITY OF LV EJECTION FRACTION, VOLUME AND MASS BY GATED SPECT PERFUSION IMAGING
T Htay, D Mehta, J-H Cho, J Heo, E Dubovsky, AE Iskandrian
- 31.12 FEASIBILITY OF LOW-LEVEL TREADMILL EXERCISE DURING ADENOSINE STRESS IN AN OUTPATIENT OFFICE LABORATORY
DA Calnon, KS Grewal, PB George, DR Richards
- 31.13 CLINICAL SIGNIFICANCE OF HYPOTENSIVE RESPONSE IN PATIENTS UNDERGOING DIPYRIDAMOLE STRESS MYOCARDIAL PERFUSION STUDIES
DH Hsi, N Singh, Z Meszaros, JL Thomas
- 31.14 SAFETY AND TOLERABILITY OF ADENOSINE STRESS MPI IN PATIENTS WITH ASTHMA OR CHRONIC OBSTRUCTIVE AIRWAYS DISEASE
E Reyes, CY Loong, K Latus, C Anagnostopoulos, SR Underwood
- 31.15 INCIDENCE OF BALANCED ISCHEMIA IN PATIENTS WITH DIPYRIDAMOLE PERFUSION IMAGING
Ej Kostacos, LI Araujo
- 31.16 QUANTITATIVE ASSESSMENT OF THE EFFECT OF X-RAY CT ATTENUATION CORRECTION ON MYOCARDIAL PERFUSION IN PATIENTS WITH SINGLE VESSEL CORONARY ARTERY DISEASE
Ej Kostacos, LI Araujo
- 31.17 UPRIGHT VS. SUPINE IMAGING – A CLINICAL COMPARISON
HC Lewin, EG DePuey, MC Hyun
- 31.18 COMPARISON OF LEFT VENTRICULAR FUNCTION AND WALL MOTION BETWEEN TC-99m SESTAMIBI AND TL-201 QUANTITATIVE GATED SPECT PERFORMED ON THE SAME PATIENTS
H Tanaka, T Chikamoni, Y Igarashi, K Harafuji, Y Usui, H Yanagisawa, S Hida, A Yamashina
- 31.19 TRANSIENT ISCHEMIC DILATION WITH DIPYRIDAMOLE RB-82 PET IMAGING FOR DETECTION OF MULTIVESSEL CAD IN PATIENTS WITH NORMAL PERFUSION SCAR OR ISCHEMIA
HA Nasr, SA Mahmoud, MM Dalipaj, LN Golanowski, RA de Kemp, Bf Chow, RS Beanlands, TD Ruddy
- 31.20 DEVELOPMENT OF ATRIO-VENTRICULAR BLOCK DURING ADENOSINE INFUSION AND INCIDENCE OF SUBSEQUENT PACEMAKER IMPLANTATION: A RETROSPECTIVE STUDY
HI Michelena, BM Mikolich, P McNelis, WA VanDecker
- 31.21 THE EFFECT OF SYSTEMIC HYPERTENSION (HTN) ON THE ACCURACY OF STRESS RADIONUCLIDE MYOCARDIAL PERFUSION IMAGING
I Stathopoulos, S-A Duncan, C Isasi, MI Travin
- 31.22 COMPARISON OF DIASTOLIC FUNCTION PARAMETER ESTIMATES FROM PLANAR AND SPECT BLOOD POOL IMAGING
JN Kritzman, EP Ficaró, JR Corbett
- 31.23 ARTIFICIAL NEURAL NETWORK MODELING OF STRESS SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY IMAGING FOR DETECTING EXTENSIVE CORONARY ARTERY DISEASE — COMPARISON OF PATIENTS WITH AND WITHOUT DIABETES
JS Allison, J Heo, AE Iskandrian
- 31.24 HEART RATE ADJUSTMENT IMPROVES THE DIAGNOSTIC VALUE OF ST SEGMENT DEPRESSION IN SUBJECTS WITH DIFFUSE SPECT PERFUSION DEFECTS
JW Weinsaft, FJ Wong, M Szulc, PM Okin, P Kligfield
- 31.25 PREOPERATIVE RISK STRATIFICATION FOR AORTIC SURGERY USING PHARMACOLOGIC STRESS MYOCARDIAL IMAGING
K Harafuji, T Chikamori, Y Igarashi, H Tanaka, Y Usui, H Yanagisawa, S Hida, S Ishimaru, A Yamashima
- 31.26 A RISE IN SYSTOLIC BLOOD PRESSURE DURING ADENOSINE STRESS MYOCARDIAL PERFUSION IMAGING DOES NOT INCREASE THE LIKELIHOOD OF AN ABNORMAL SCAN
KN Giedd, S Shah, SR Bergmann
- 31.27 CLINICAL FACTORS IMPACT ON THE PRESENCE OF TRANSIENT ISCHAEMIC DILATATION OF THE LEFT VENTRICLE ON STRESS MYOCARDIAL SPECT
L Emmett, KC Allman, M Magee, B Freedman, W Van Gaal, L Kritharides
- 31.28 COMPARISON OF EXTENT AND SEVERITY OF QUANTITATIVE PERFUSION DEFECTS ON REST TL-201 AND REST Tc-99m SESTAMIBI MYOCARDIAL PERFUSION SPECT
L Yang, A Abidov, SW Hayes, J Gerlach, C Akincioglu, J Friedman, P Kavanagh, R Miranda, G Germano, DS Berman
- 31.29 PROGNOSTIC SIGNIFICANCE OF NORMAL MYOCARDIAL PERFUSION IMAGING AMONG BLACKS AND HISPANICS IN AN INNER-CITY POPULATION
N Damera, B Lone, R Singh, A Shah, S Yeturi, Y Prasad, S Blum, EN Heller, NC Bhalodkar
- 31.30 MYOCARDIAL PERFUSION SCINTIGRAPHY (SPECT) IN AUTOLOGOUS INTRACORONARY BONE MARROW CELL TRANSPLANTATION
M Koutelou, N Kollaros, A Theodorakos, A Manginas, E Leontiadis, A Kouzoumi, D Cokkinos
- 31.31 GATED-SPECT IMAGING USING VASODILATING STRESSOR FOR RISK STRATIFICATION OF SUBJECTS WITH OR WITHOUT CORONARY ARTERY DISEASE
M Mazzanti, M Marini, G Cianci, GP Perna
- 31.32 TRANSIENT CAVITY DILATION (TCD) AND STRESS-INDUCED STUNNING ASSESSED BY PHARMACOLOGIC STRESS GATED TL-201 MYOCARDIAL SPECT
M Pai



- 31.33 GATED SPECT MYOCARDIAL PERFUSION IMAGING IN PATIENTS REFERRED WITH ISOLATED COMPLAINTS OF DYSPNEA
MD Grenberg, F Liu, O Frankenberger, P Kokkinos, D Hanumara, E Goheen, C Wu, D Panagiotakos, R Fletcher
- 31.34 GATED SPECT MEASURES OF LEFT VENTRICULAR FUNCTION FROM STRESS ACQUIRED IMAGES FOLLOWING ADENOSINE, LOW LEVEL EXERCISE ACCURATELY REFLECT BASAL RESTING LEFT VENTRICULAR SYSTOLIC FUNCTION
MD Greenberg, F Liu, O Frankenberger, P Kokkinos, D Hanumara, E Goheen
- 31.35 COMPARISON OF EXERCISE TOLERANCE AND CHEST PAIN DURING EXERCISE STRESS TESTING IN THREE DIFFERENT ETHNIC GROUPS
OJ Rodriguez, VN Iyer, M Lue, KT Hickey, DK Blood, SR Bergmann, S Bokhari
- 31.36 REPRODUCIBILITY OF ABSOLUTE RESTING BLOOD FLOW BY POSITRON EMISSION TOMOGRAPHY WITH A 16-SEGMENT MYOCARDIAL MODEL IN CHRONIC CORONARY ARTERY DISEASE
P Chareonthaitawee, SD Christensen, JL Allen, BJ Kemp, DO Hodge, EL Ritman, RJ Gibbons
- 31.37 ADDITIONAL VALUE OF THE LEFT VENTRICULAR EJECTION FRACTION IMMEDIATELY AFTER EXERCISE IN COMPARISON WITH THE STANDARD IMAGING ONE HOUR AFTER EXERCISE TO DETECT CORONARY ARTERY DISEASE
P Smanio, G Riva, F Rodriguez, A Tricoli, A Nakhlawi, A Thom
- 31.38 SPILLOVER COMPENSATION FOR EXTRA-CARDIAC ACTIVITY TO ENHANCE THE DIAGNOSTIC ACCURACY OF CARDIAC SPECT PERFUSION IMAGING
PH Pretorius, MA King, S Dahlberg, J Leppo
- 31.39 AUTOMATED QUANTIFICATION OF MYOCARDIAL PERFUSION USING SIMPLIFIED NORMAL LIMITS
PJ Slomka, H Nishina, DS Berman, C Akincioglu, A Abidov, JD Friedman, SW Hayes, G Germano
- 31.40 EXERCISE ELECTROCARDIOGRAPHY IS A POOR PREDICTOR OF THALLIUM-201 SPECT-DEFINED MYOCARDIAL ISCHEMIA FOLLOWING CORONARY ARTERY BYPASS GRAFT SURGERY
R Petrovici, M Husain, DS Lee, K Nanthakumar, RM Iwanochko
- 31.41 FOLLOW-UP OF PATIENTS WITH REVERSIBLE MYOCARDIAL PERFUSION DEFECTS AND HEMODYNAMICALLY NON-SIGNIFICANT LESIONS ON CORONARY ANGIOGRAPHY
R Petrovici, RM Iwanochko, M Husain
- 31.42 COMPARABILITY OF CARDIAC RESULTS ACQUIRED USING A PET/CT SCANNER, TO THOSE OBTAINED BY DEDICATED PET, USING SEMI-QUANTITATIVE ANALYSIS AGAINST A COMMERCIALLY AVAILABLE NORMATIVE DATABASE (EMORY CARDIAC TOOLBOX)
RC Brunken, F DiFilippo, DR Neumann, B Bybel, B Herrington, T Bruckbauer, C Howe, K Lohmann, C Hayden, C Chatterjee, B Lathrop
- 31.43 LVEF MEASUREMENTS FROM CARDIAC PET/CT IMAGES OBTAINED USING CT BASED ATTENUATION CORRECTION
RC Brunken, MS Chen, KA Lohmann, WC Howe, T Bruckbauer, T Kaczur, B Bybel, FP DiFilippo
- 31.44 POFT-ISCHEMIC LEFT VENTRICULAR DYSFUNCTION IS DETECTED ON ADENOSINE GATED SPECT IN PATIENTS WITH EXTENSIVE CORONARY ARTERY DISEASE
RS Druz, OO Akinboboye, R Grimson, KJ Nichols, N Reichek
- 31.45 EFFECT OF PRONE POSITION AND ATTENUATION CORRECTION ON TEST CHARACTERISTICS OF MYOCARDIAL PERFUSION IMAGING IN FEMALE PATIENTS WITH BREAST SHADOW ARTIFACTS
RS Druz, KJ Nichols, K Ngai, R Dim, OO Akinboboye, N Reichek
- 31.46 PROGNOSTIC UTILITY OF TC-TETROFOSMIN DIPYRIDAMOLE STRESS STUDIES IN PATIENTS WITH END-STAGE RENAL DISEASE (ESRD) ON CHRONIC DIALYSIS
K-T Ho, S Pary
- 31.47 COMPARISON OF GATED SESTAMIBI MYOCARDIAL PERFUSION IMAGING BETWEEN UPRIGHT SOLID STATE AND STANDARD SUPINE GAMMA SYSTEMS
SU Ahmed, A Ahlberg, G Cyr, PJ Vitols, A Mann, L Alexander, J Rosenblatt, J Mieres, SJ Cullom, GV Heller
- 31.48 RISK STRATIFICATION OF PATIENTS WITH LEFT BUNDLE BRANCH BLOCK: EXERCISE VERSUS VASODILATOR
SU Ahmed, AW Ahlberg, G Cyr, S Navare, D O'Sullivan, GV Heller
- 31.49 SIGNIFICANTLY HIGHER PREVALENCE OF CAD IN ASYMPTOMATIC MALE SMOKERS AS COMPARED WITH THEIR FEMALE COUNTERPARTS
S Chiadika, M Lue, DK Blood, SR Bergmann, S Bokhari
- 31.50 POST-STRESS TO REST VENTRICULAR VOLUME RATIOS IN DIABETICS COMPARED TO NON-DIABETICS USING GATED SPECT
TF Heston
- 31.51 ECS-GATED SPECT MYOCARDIAL PERFUSION IMAGING USING ADENOSINE PHARMACOLOGIC STRESS: DOES CHOICE OF RADIONUCLIDE MATTER?
TM Bateman, GV Heller, MD Cerqueira, PG Jones, JR Bryngelson, KL Moutray, LL Gegen, GK Hertenstein, K Moser, JA Case
- 31.52 IS OBESITY PER SE AS WEIGHTY AS OTHER RISK FACTORS FOR CORONARY ARTERY DISEASE?
MJ Zellweger, PC Burger, J Mueller-Brand, ME Pfisterer
- 31.53 COMPARISON OF MAXIMAL ELASTANCE AND SYSTOLIC WALL THICKENING USING TONOMETRY AND GATED MYOCARDIAL SPECT IN PATIENTS UNDERGOING CABG
WJ Kang, BI Lee, DS Lee, JC Paeng, JS Lee, J-K Chung, MC Lee



- 31.54 CHARACTERISTICS OF SUPINE MYOCARDIAL PERFUSION SPECT (MPS) WHICH PREDICT NORMALIZATION ON PRONE IMAGING COULD SIMPLIFY ACQUISITION AND AID IMAGE INTERPRETATION
BN To, WJ O'Connell, EH Botvinick
- 31.55 SPECT MYOCARDIAL PERFUSION IMAGING IN THE MORBIDLY OBESE: IMAGE QUALITY AND HEMODYNAMIC RESPONSE TO PHARMACOLOGICAL STRESS
WL Duvall, LB Croft, AJ Einstein, JE Fisher, PS Haynes, RK Rose, MJ Henzlova
- 31.56 SPECT MYOCARDIAL PERFUSION IMAGING IN THE MORBIDLY OBESE: PROGNOSIS AND DIAGNOSTIC VALUE
WL Duvall, LB Croft, JS Corriel, AJ Einstein, JE Fisher, RK Rose, MJ Henzlova
- 31.57 CARDIAC SPECT ACCURATELY PREDICT CORONARY ARTERY DISEASE IN A MINORITY FEMALE POPULATION
Y Prasad, A Vashist, S Blum, P Sagar, EN Heller
- 31.58 INCREMENTAL PROGNOSTIC VALUE AND COST-EFFECTIVENESS OF RADIONUCLIDE SPECT IMAGING IN PATIENTS WITH CHEST PAIN AND NORMAL ELECTROCARDIOGRAM
Y Kuwabara, K Nakayama, Y Tsura, J Nakaya, S Shindo, M Hasegawa, I Komuro
- 31.59 HYBRID SPECT/CT ATTENUATION CORRECTION IMPROVES SPECIFICITY AND NORMALCY RATE: A MULTICENTER TRIAL
Y-H Liu, F Wackers, D Natale, G DePuey, R Taillefer, L Araujo, E Kostacos, S Allen, D Delbeke, F Anstett

32. 5:30-9:45pm **Coronary Heart Disease in Women: Recognize, Treat & Prevent - Separate Registration**

Gramercy Suite

Jointly sponsored by ASNC and North Shore Long Island Jewish Health System in conjunction with the American Heart Association

Moderators: *Stacey Rosen, MD, Mary N. Walsh, MD*

- 5:30pm Registration and dinner reception
- 6:25pm Welcome and overview - *Jennifer H. Mieres, MD, Terri-Ann Gershenson, RN, MA*
- 6:30pm Putting a woman's face to heart disease
Nancy Loving
- 6:45pm American Heart Association: Go RED for women campaign - *Alice Jacobs, MD*
- 7:00pm The magnitude of the problem: overview and risk factor modification - *Sharonne Hayes, MD*
- 7:30pm **Break**
- 7:45pm Acute coronary syndromes in women
Stephen Green, MD

- 8:15pm **Keynote Address:** Evidence based guidelines for cardiovascular disease prevention in women - consensus statement from the AHA 2004
Nanette K. Wenger, MD
- 8:45pm State-of-the-art diagnostic testing in women with heart disease - *Leslee J. Shaw, PhD*
- 9:15pm Women and heart disease: a view from the hill (an update from Washington)
Rita Redberg, MD, MSc
- 9:30pm Panel discussion/questions

Saturday, October 2, 2004

33. 8:00-10:00am **Plenary Session II - Cardiac Imaging in Special Populations**

East Ballroom

Moderators: *Kim A. Williams, MD, Jennifer H. Mieres, MD*

- 8:00am **Keynote Address:** Coronary heart disease in women 2004: problems, progress and prospects
Nanette K. Wenger, MD
- 8:30am Evaluation of women with known or suspected CAD - *Leslee J. Shaw, PhD*
- 8:50am Evaluation of patients prior to non-cardiac surgery - *Gregory S. Thomas, MD, MPH*
- 9:10am Evaluation of patients with diabetes mellitus
Satyendra Giri, MD, MPH
- 9:30am Evaluation prior to renal or liver transplantation
Olakunle O. Akinboboye, MB BS
- 9:50am Panel discussion

34. 8:30-10:00am **Evaluation and Management of Ischemia and Heart Failure: Role of Cardiovascular Molecular Imaging - Session I: Assessment of Cardiac Metabolism**



Murray Hill Suite

Moderators: *Raymond R. Russell, III, MD, PhD, Ernest V. Garcia, PhD*

- 8:30am Fundamentals of myocardial metabolism
Raymond R. Russell, III, MD, PhD
- 8:45am Radiochemistry for evaluation of fatty acid and glucose metabolism - *Timothy DeGrado, MD*
- 9:00am Application of PET Imaging
Robert J. Gropler, MD
- 9:15am Application of metabolic imaging
Charles K. Stone, MD



9:30am “Hot Spot” imaging of ischemia: issues and implications
Brian G. Abbott, MD

9:45am Panel discussion

35. 9:00-10:00am **Joint Session: ASNC and American Society of Echocardiography: Echocardiography and Nuclear Cardiology in Evolution – A View to the Future** 



Rendezvous Trianon

Moderators: *Robert C. Hendel, MD, Neil J. Weissman, MD*

9:00am Assessing heart failure patients: echocardiography - *John Gorcsan, III, MD*

9:15am Assessing heart failure patients: nuclear cardiology - *Jeroen J. Bax, MD, PhD*

9:30am Assessing ventricular function: three-dimensional echocardiography
Roberto Lang, MD

9:45am Assessing ventricular function: three-dimensional nuclear cardiology
Daniel S. Berman, MD

10:00-10:30am Break

10:00am-4:00pm Exhibit Hall Open

Americas Hall 1 and 2nd floor West Promenade

36. 10:30am-Noon **Fundamentals of Nuclear Cardiology: Risk Assessment** 

East Ballroom

Moderators: *Kenneth A. Brown, MD, Rory Hachamovitch, MD*

10:30am Prognosis in suspected or confirmed coronary artery disease - *George A. Beller, MD*

10:50am Prognosis in acute coronary syndromes
Michael R. Freeman, MD

11:10am Chest pain in the emergency department
Jack A. Ziffer, PhD, MD

11:30am Assessment of risk reduction by medical therapy - *Leslee J. Shaw, PhD*

11:50am Panel discussion

37. 10:30am-Noon **Stress Testing** 

Petite Trianon

Moderators: *April Mann, CNMT, NCT, RT(N), Edward L. Lyons, Jr., CNMT*

10:30am Review of exercise and pharmacologic stress
Danny A. Basso, CNMT, NCT

11:05am How to choose the appropriate stress test
Rose M. Delo, CNMT, NCT

11:25am Prognosis and risk stratification
Howard C. Lewin, MD

38. 10:30am-Noon **Young Investigator Competition**  

Murray Hill Suite

Moderator: *Lynne L. Johnson, MD*

Judges: *Vasken Dilsizian, MD, Jeffrey A. Leppo, MD, Frans J. Th. Wackers, MD, PhD*

(sponsored by Bristol-Myers Squibb Medical Imaging)

10:30am

38.01 GENDER DIFFERENCES IN THE VALUE OF ST-SEGMENT DEPRESSION DURING ADENOSINE STRESS TESTING
M Gulati, P Pratap, P Kansal, JE Calvin, Jr, RC Hendel

10:40am

38.02 COMPARISON OF LEFT VENTRICULAR EJECTION FRACTION CALCULATED USING ATTENUATION-CORRECTED AND NON-ATTENUATION CORRECTED IMAGES IN GATED CARDIAC SPECT IMAGING
A Takalkar, E Kostacos, A Alavi, L Araujo

10:50am

38.03 THE EFFECT OF BETA-BLOCKERS ON THE DIAGNOSTIC ACCURACY OF VASODILATOR PHARMACOLOGIC SPECT MYOCARDIAL PERFUSION IMAGING (SPECT-MPI)
RM Melduni, S-A Duncan, MI Travin, CR Isasi

11:00am

38.04 GENDER-MATCHED NORMAL VALUES OF TRANSIENT ISCHEMIC DILATION (TID) INDEX IN ATTENUATION CORRECTED (AC) AND NON-CORRECTED REST-EXERCISE STRESS SESTAMIBI MYOCARDIAL PERFUSION IMAGING
A Rivero, C Santana, RD Folks, S Esiashvili, G Grossman, R Halkar, EV Garcia

11:10am

38.05 EVALUATION OF MYOCARDIAL MATRIX METALLOPROTEINASE (MMP) MEDIATED POST-MI REMODELING WITH A NOVEL RADIOLABELED MMP INHIBITOR
H Su, FG Spinale, LW Dobrucki, C Chow, S Sweterlitsch, X Hu, BN Bourke, P Cavaliere, J Hua, M Azure, DS Edwards, AJ Sinusas

11:20am

38.06 ABNORMAL HEART RATE RESPONSE TO ADENOSINE INFUSION IS ASSOCIATED WITH SILENT MYOCARDIAL ISCHEMIA IN ASYMPTOMATIC PATIENTS WITH DIABETES MELLITUS
S Sudhakar, DA Chyun, LH Young, SE Inzucchi, JA Davey, FJ Wackers



11:30am

38.07 SILENT ISCHEMIA DISCORDANCE BETWEEN SYMPTOMS AND DISEASE PROGRESSION IN DIABETICS WITH SPECT MYOCARDIAL PERFUSION IMAGING
GL Noble, SM Navare, LJ Shaw, J Calvert, SA Hussain, AM Ahlberg, DM Katten, WE Boden, GV Heller

11:40am

Questions and Answers

11:50am

Presentation of Young Investigator Award winner

10:30am-Noon Read With The Experts (5) 

Rooms sponsored by Bracco Diagnostics Inc., Digirad, GE Healthcare, Philips Medical Systems

39. CAD and prognosis with PET

Sutton Center

Milena J. Henzlova, MD, Lori Croft, MD

40. Post MI and acute coronary syndromes

Beekman Parlor

Manuel D. Cerqueira, MD, Dipti Itchhaporia, MD

41. Evaluation in special populations: women and diabetes

Sutton North

Jean M. Cacciabauda, MD, David Rosman, MD

42. Evaluation prior to noncardiac surgery

Sutton South

David G. Wolinsky, MD

43. Challenging cases: the difficult scan, confounding images, etc.

Regent Parlor

Mark I. Travin, MD, Robert A. Vaccarino, MD

44. Noon-1:30pm Lunch Symposium

West Ballroom

Sponsored by GE Healthcare

Afternoon with Ed Koch

Speaker: Edward I. Koch

45. Noon-1:30pm Lunch Symposium

Trianon Ballroom

Sponsored by Mallinckrodt

Controversial topics in nuclear cardiology

SPECT imaging in women - *Timothy M. Bateman, MD*

Comparative value of dual isotope vs. Tc/Tc imaging

Daniel S. Berman, MD

Attenuation correction in everyday practice: considerations of equipment and imaging protocols - S. James Cullom, PhD

46. Noon-1:30pm Lunch Symposium

Gramercy Suite

Sponsored by Philips Medical Systems

The economic and clinical value of attenuation correction
Timothy M. Bateman, MD

Clinical value and applications of PET/CT for cardiac imaging - Vasken Dilsizian, MD

47. 1:30-2:45pm Evaluation and Management of Ischemia and Heart Failure: Role of Cardiovascular Molecular Imaging - Session II: Assessment of Apoptosis 

Murray Hill Suite

Moderators: John M. Canty Jr., MD, Jeffrey A. Leppo, MD

1:30pm *Fundamentals of apoptosis - Richard Kitsis, MD*

1:45pm *Radiochemistry for the evaluation of apoptosis - Chun Li, PhD*

2:00pm *Imaging of apoptosis in the ischemic heart*
John M. Canty, Jr., MD

2:15pm *Imaging of apoptosis in heart failure*
Jeffrey A. Leppo, MD

2:30pm *Panel discussion*

48. 1:30-3:00pm Fundamentals of Positron Emission Tomography 

East Ballroom

Moderators: Robert J. Gropler, MD, Michael I. Miyamoto, MD

1:30pm *Overview of PET: tracers, techniques and protocols - James A. Arrighi, MD*

1:55pm *PET myocardial perfusion and function*
Steven R. Bergmann, MD

2:20pm *Metabolic imaging with FDG*
Marcelo F. Di Carli, MD

2:45pm *Panel discussion*

49. 1:30-3:00pm Clinical Challenges; Cardiac Imaging 

Rendezvous Trianon

Moderators: Peter G. Danias, MD, PhD, Sonia Merlano, MD

1:30pm *ACC/AHA guidelines for radionuclide imaging in daily practice - Myron C. Gerson, MD*

1:55pm *The effects of cardiac drugs on pharmacologic stress - Gary V. Heller, MD, PhD*



2:20pm Sustaining a practice in clinical nuclear cardiology in a changing world
Steven C. Port, MD

2:45pm Panel discussion

50. 1:30-3:00pm Keeping Your Stress Lab Safe 

Petite Trianon

Moderators: *Danny A. Basso, CNMT, NCT,*
Lisa L. Flexer, RT(N), NCT

1:30pm Recognizing cardiac signs and symptoms
April Mann, CNMT, NCT, RT(N)

2:00pm Arrhythmia recognition - *Brian G. Abbott, MD*

2:30pm Creating a safe stress lab
Lisa L. Flexer, RT(N), NCT

1:30-3:00pm Read With The Experts (5) 

Rooms sponsored by *Bracco Diagnostics Inc., Digirad,*
GE Healthcare, Philips Medical Systems

51. Clinical correlation: EBCT/Multislice CT/SPECT interactions

Beekman Parlor

Daniel S. Berman, MD

52. Quantitative analysis of perfusion and function as the second expert opinion

Sutton North

Guido Germano, PhD, John D. Friedman, MD

53. Evaluation of acute coronary syndromes

Sutton South

John J. Mahmarian, MD

54. Assessing function: Gated SPECT and RNV

Sutton Center

Kim A. Williams, MD, Thomas A. Holly, MD

55. CAD diagnosis and prognosis

Regent Parlor

Michael R. Freeman, MD, Roberto Roberti, MD

3:00-3:30pm Break

56. 3:30-4:45pm Evaluation and Management of Ischemia and Heart Failure: Role of Cardiovascular Molecular Imaging - Session III: Assessment of Remodeling 

Murray Hill Suite

Moderators: *Albert J. Sinusas, MD, Frank Spinale, MD, PhD*

3:30pm Fundamentals of remodeling in the infarcted/failing heart - *Frank Spinale, MD, PhD*

3:45pm Conventional methods of assessing remodeling
James E. Udelson, MD

4:00pm Radiochemistry for the evaluation of remodeling
Carolyn J. Anderson, PhD

4:15pm Imaging of remodeling with targeted MMP tracers - *Albert J. Sinusas, MD*

4:30pm Panel discussion

57. 3:30-5:00pm Fundamentals of Nuclear Cardiology: Quantitative Analysis and Reporting 

East Ballroom

Moderators: *Lynne L. Johnson, MD, Ronald G. Schwartz, MD*

3:30pm Quantitative analysis of perfusion
Ernest V. Garcia, PhD

3:50pm Quantitative analysis of function
Guido Germano, PhD

4:10pm SPECT reporting - *Gary V. Heller, MD, PhD*

4:30pm Combination of visual and quantitative analysis
Howard C. Lewin, MD

4:50pm Panel discussion

58. 3:30-5:00pm Diagnosis and Risk Stratification: Interactions of Anatomic and Nuclear Perfusion Imaging 

Rendezvous Trianon

Moderators: *Christopher L. Hansen, MD, Leslee J. Shaw, PhD*

3:30pm CT coronary calcium scanning and myocardial perfusion SPECT - *John J. Mahmarian, MD*

3:55pm CT coronary angiography and myocardial perfusion SPECT - *Daniel S. Berman, MD*

4:20pm PET/CT - *Marcelo F. Di Carli, MD*

4:45pm Panel discussion

59. 3:30-5:00pm Quality in Nuclear Cardiology: More than Just the Image 

Petite Trianon

Moderators: *Jennifer S. Keppler, CNMT, RT(N),*
Wendy Bruni, CNMT, NCT

3:30pm Quality assurance - *Wendy Bruni, CNMT, NCT*

4:00pm Laboratory accreditation
Patty Reames, CNMT, RT(N), NCT

4:30pm Expectations and the role of the technologist
Rose M. Delo, CNMT, NCT

3:30-5:00pm Read With The Experts (5) 

Rooms sponsored by *Bracco Diagnostics Inc., Digirad,*
GE Healthcare, Philips Medical Systems



60. CAD diagnosis and prognosis and correlation with coronary angiography

Regent Parlor

George A. Beller, MD, Paola Smanio, MD

61. Ventricular function: SPECT MUGA

Sutton North

Kenneth J. Nichols, PhD

62. Viability: PET and SPECT

Sutton Center

Raymond J. Gibbons, MD, Panithaya Chareonthaitawee, MD

63. Challenging cases

Sutton South

João V. Vitola, MD, PhD, Vincent J. B. Robinson, MD

64. Challenging cases from the outpatient lab

Beekman Parlor

Michael I. Miyamoto, MD, Gregory S. Thomas, MD, MPH

65. 4:00-5:30pm Moderated Poster Session II 

3rd floor West Promenade

Discussants: Brian G. Abbott, MD, Jeroen J. Bax, MD, PhD, Kenneth A. Brown, MD, Vasken Dilsizian, MD

65.01 DEVELOPMENT OF LIPOSOMES WITH AFFINITY TO ISCHEMIC MYOCARDIUM

A Antunes, MF Botelho, C Gomes, JJP de Lima, ML Silva, JN Moreira, S Simões, L Gonçalves, LA Providência

65.02 RISK STRATIFICATION AFTER MYOCARDIAL INFARCTION BY STRESS 99m TECHNETIUM

A Elhendy, JJ Bax, AF Schinkel, R Valkema, RT van Domburg, D Poldermans

65.03 DIFFERENTIAL IMPACT OF PARASYMPATHETIC WITHDRAWAL TO MENTAL STRESS ISCHEMIA AS ASSESSED BY NONINVASIVE EVALUATION OF MYOCARDIAL PERFUSION AND/OR FUNCTION

A Vashist, J Arrighi, R Lampert, M Burg, R Soufer

65.04 EVALUATION OF CARDIAC HYPERTROPHY IN SPONTANEOUS HYPERTENSIVE RATS USING MEASURES OF LEFT VENTRICULAR DEFORMATION AND LVEF OF CARDIAC MICROPET IMAGING DATA

AI Veress, B Feng, Y Yang, JA Weiss, RH Huesman, GT Gullberg

65.05 A NEW BAYESIAN RECONSTRUCTION METHOD TO IMPROVE THE ACCURACY AND REDUCE THE ACQUISITION TIME OF GE-68 ATTENUATION MAPS FOR CARDIAC PET

B-L Hsu, K Moser, SJ Cullom, TM Bateman, JA Case

65.06 DOES ATTENUATION-CORRECTED SPECT IMPROVE THE DETECTION OF VIABLE MYOCARDIUM?

CY Loong, EM Prvulovich, E Reyes, A van Aswegen, C Anagnostopoulos, SR Underwood

65.07 ASSESSMENT OF LEFT VENTRICULAR FUNCTION DURING TREADMILL EXERCISE WITH A NEW METHOD OF MOTION CORRECTION OF FIRST-PASS RADIONUCLIDE ANGIOGRAPHY USING A MULTIWIRED GAMMA CAMERA

T Htay, D Mehta, L Sun, J Lacy, J Heo, AE Iskandrian

65.08 ASSESSMENT OF LEFT VENTRICULAR FUNCTION AND SIZE IN TYPE II DIABETIC PATIENTS

T Htay, D Mehta, J-H Cho, J Heo, AE Iskandrian

65.09 ARTIFACTS FROM IMPLANTED LEADS IN CARDIAC PET USING CT-BASED ATTENUATION CORRECTION

FP DiFilippo, RC Brunken, T Kaczur, W Jaber

65.10 PREDICTORS OF DIFFERENCES IN LEFT VENTRICULAR EJECTION FRACTION AND VOLUMES DETERMINED BY QUANTITATIVE GATED REST AND POST-STRESS TC-99m SESTAMIBI SPECT

G Ramakrishna, TD Miller, MK O'Connor, RJ Gibbons

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5:30-7:00pm ASNC Gala Reception
Separate Registration

Trianon Ballroom

66. 7:30-9:30pm Self Assessment Review: Part I
Separate Registration

West Ballroom

Moderators: Diwaker Jain, MD, Dennis A. Calnon, MD

This session has been designed to test the knowledge of physicians and technologists on course content presented at this meeting. All questions submitted in this session will be based on areas covered in the Core Track only.

Sunday, October 3, 2004

67. 8:00-10:00am Plenary Session III: Controversies in Clinical Cardiology and Cardiac Imaging

East Ballroom

*Moderators: Robert C. Hendel, MD,
Ronald G. Schwartz, MD*

- 8:00am Viability assessment: PET vs. MR:
PET: *Paolo G. Camici, MD*
MR: *Robert O. Bonow, MD*
- 8:30am All patients with cardiomyopathy should have coronary angiography:
Pro: *Stephen Green, MD*
Con: *Avijit Lahiri, MB BS*
- 9:00am Men over 40 with risk factors should be screened for coronary artery disease:
Pro: *Daniel S. Berman, MD*
Con: *Raymond J. Gibbons, MD*
- 9:30am MRI will replace SPECT and PET for assessment of CAD:
Pro: *Dudley J. Pennell, MD*
Con: *Randolph E. Patterson, MD*

68. 8:30-10:00am Assessment of Myocardial Viability and Hibernation



Rendezvous Trianon

Moderators: Jamshid Maddahi, MD, S. James Cullom, PhD

- 8:30am Pathophysiology of hibernation
Kevin C. Allman, MD
- 8:50am SPECT in viability assessment
Vasken Dilsizian, MD
- 9:10am PET in viability assessment
Marcelo F. Di Carli, MD

9:30am ECHO and MRI in viability assessment
Jeroen J. Bax, MD, PhD

9:50am Panel discussion

10:00-10:30am Break

69. 10:30am-11:45am Research Grant Presentations and Late Breaking Clinical Trials



Rendezvous Trianon

*Moderators: Jeroen J. Bax, MD,
E. Gordon DePuey, III, MD*

10:30am Late Breaking Clinical Trial

69.01 ECG-GATED RUBIDIUM-82 MYOCARDIAL PERFUSION PET IMAGING: A MULTIEXPERT COMPARISON WITH TECHNETIUM-99m SESTAMIBI SPECT
*TM Bateman, AI McGhie, GV Heller, KL Moutray,
JR Bryngelson, KW Moser, JA Case, SJ Cullom, KJ Reid,
JD Friedman*

10:45am Late Breaking Clinical Trial

69.02 PREDICTION OF SILENT MYOCARDIAL ISCHEMIA IN TYPE 2 DIABETICS WITHOUT PRIOR CORONARY ARTERY DISEASE: CORONARY CALCIUM SCORING IS SUPERIOR TO CONVENTIONAL RISK FACTOR ASSESSMENT AND INFLAMMATORY MARKERS
*D Vijay Anand, D Hopkins, E Lim, P Sharp, U Raval,
D Lipkin, R Corder, A Lahiri*

11:00am ASNC/Fujisawa Healthcare Award for Basic or Applied Scientific Research in Nuclear Cardiology Presentation: ^{99m}Tc-Annexin V imaging for detection of Doxorubicin induced experimental apoptosis in myocardium – *Gurusher Panjraht, MD*

11:15am ASNC/Bracco Diagnostics Inc. Award for Cardiac PET Research Presentation: Effect of diabetes control on cardiac autonomic nerves – *Sabahat Bokhari, MD*

11:30am ASNC/Amersham Health Award for Clinical Research in Nuclear Cardiology Presentation: Effect of caffeine on ischemia detection by Adenosine SPECT perfusion imaging
Gilbert J. Zoghbi, MD

70. 10:30am-Noon Business of Imaging



Murray Hill Suite

*Moderators: William A. Van Decker, MD,
Rose M. Delo, CNMT, NCT*

10:30am Reimbursement update
Denise A. Merlino, MBA, CNMT



- 11:00am The benefits and value of accreditation – and certification - *Manuel D. Cerqueira, MD*
- 11:20am Financial implications of laboratory efficiency *Timothy M. Bateman, MD*
- 11:40am Quality assurance in the nuclear cardiology laboratory *Robert A. Pagnanelli, CNMT, RT(N)(R)*

- 10:50am SPECT and PET imaging for viability *Jack E. Ziffer, PhD, MD*
- 11:10am Stress echocardiography - *Rebecca Hahn, MD*
- 11:30am Gated blood pool imaging *Myron C. Gerson, MD*
- 11:50am Magnetic resonance imaging *Robert O. Bonow, MD*
- 12:10am Panel discussion

71. 10:30am-12:30pm Myocardial Perfusion and Function Imaging in Cardiomyopathy



East Ballroom

Moderators: *Paola Smanio, MD, Mary N. Walsh, MD*

- 10:30am The role of SPECT in the differentiation of ischemic from non-ischemic cardiomyopathy *Peter G. Danias, MD*

72. 1:00-2:30pm Self Assessment Review: Part II
Separate Registration

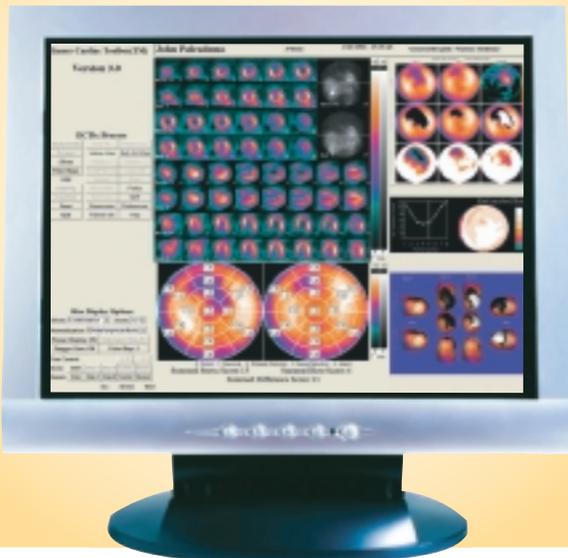
West Ballroom

Moderators: *Diwakar Jain, MD, Dennis A. Calnon, MD*

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Cardiovascular Imaging Technologies	110
Cardiovascular research and development company focusing on hardware and software solutions for cardiovascular imaging including IMAGENMD™, an economic workstation alternative.	
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Featuring the Graseby Medical Model 3400 Nuclear Cardiology Syringe Pump for infusing Pharmacological stress agents. This pump can be used to infuse any cardiac stress agent with superb accuracy and ease.
- MDS Nordion** 136/137
MDS Nordion is a world leader in the production and supply of reactor and cyclotron radioisotopes for nuclear medicine. With our state of the art facilities in both North America and Europe, we are the partner of choice for development and manufacturing of radiopharmaceuticals and devices. Nuclear Medicine starts here.
- MedCath Diagnostics, Inc.** 153
MedCath Diagnostics is in the business of working with physician and hospital partners to provide cardiovascular healthcare services such as nuclear cardiology, cardiac catheterization, external counterpulsation (ECP) and sleep studies. In addition, MedCath offers physician practice management and consulting services.
- MediNuclear Corp.** 133
MediNuclear Corp., serving the medical community since 1975. MediNuclear is a leading distributor of nuclear cardiology equipment, supplies and accessories. We offer products from over 200 manufacturers, including hot labs, printers, digital storage devices, media, as well as everyday disposable items.



MEDX Inc. 160/161

MEDX Inc. has been providing refurbished gamma cameras to nuclear imaging facilities for over 30 years. All systems are shipped with a new crystal, completely rebuilt detector and gantry, guaranteed for one year, and a new "State-of-the-art" PC-based NuQuest™ computer. This is all backed by our experienced, 24-hour nationwide organization.

Molecular Imaging Corporation 125

Molecular Imaging Corporation is one of the nation's leading providers of dedicated PET services and has developed successful turnkey solutions that shorten the ramp-up time and reduce the financial and operational risks associated with offering PET/CT imaging services. The Company offers a flexible business relationship that can be tailored to fit the needs of both parties.

Molecular Imaging Services, Inc. 151

Molecular Imaging Services, Inc. partners with physicians to provide the highest quality diagnostic procedures and thus improve the quality of life for patients. Our goal is to help physicians attain the highest clinical diagnostic accuracy using state of the art imaging procedures. This includes utilizing such technologies as SPECT, PET, MRI, CT and ultrasound.

Nuclear Diagnostic Products 124

Nuclear Diagnostic Products dispenses unit dose radiopharmaceuticals for use by physicians in a clinical setting. We have a full line of products that include diagnostic drugs, pharmacologic stress agents, therapeutic drugs and accessories.

Numa, Inc. 113

Numa, Inc. is the leader in nuclear medicine, cardiology and PET connectivity and system integration. Providing solutions for image management and archiving, multi-vendor connectivity with image file translations, gamma camera acquisition systems, and remote viewing stations. Using both DICOM standards and proprietary formats, Numa's products offer reliable performance backed by top-notch support staff.

Philips Medical Systems 131

Philips Medical Systems' product innovations, such as CardioMD™, allow for efficiency in every phase of the nuclear cardiology examination. Come visit us at booth 131.

Pinestar Technology, Inc. 152

Pinestar Technology is one of the largest suppliers of Nuclear Medicine Supplies and Accessories. Pinestar will be displaying Dose Calibrators, Optical Disks, Syringe Shields, Xenon Supplies, Featherlite* Flood Sources, Spect Head Holders and Leg Rests. We also will be displaying the Nuclear Medicine Information System Windows Version - Software Program.

ProSolv CardioVascular 121

Cardiovascular Imaging Management and Reporting – ProSolv® is the most versatile and cost-effective system available enabling viewing, analysis and reporting of echo, cath, nuclear, ECG stress and vascular modalities.

Siemens Medical Solutions USA 101

Siemens Medical Solutions USA – integrating the latest innovations from SPECT, PET and IT into the world of nuclear medicine helps Siemens to deliver proven outcomes for both the healthcare provider and patient.

Society of Nuclear Medicine P-4

The Society of Nuclear Medicine (SNM) is an international scientific and professional organization founded in 1954 to promote the science, technology and practical application of nuclear medicine and molecular imaging.

Syntermed, Inc. 129/130

Syntermed, Inc. has become a world leader in providing integrated software solutions for diagnostic medical imaging used for processing, quantitation, interpretation, and reporting of nuclear cardiology images for SPECT, PET and PET/CT fusion. Syntermed's Emory Cardiac Toolbox™ Network with Nuclear Report Professional™ now powers over 40% of all nuclear cardiology labs in the US alone.

Technology Imaging Services 117/118

Technology Imaging Services is a distributor of supplies and accessories for nuclear cardiology. We can provide you with Codonics, Biodex, Capintec, RadQual Evidials and sources. Grasesby syringe pumps plus much more. Call us at 800-409-2688.

Thinking Systems, Corp. 122

Complete PACS solutions for nuclear cardiology: department/enterprise archiving; PACS workstation for nuclear cardiology processing and quantitative analysis; web server for nuclear cardiology processing and quantitative analysis; web reporting systems for nuclear cardiology; web publishing for nuclear cardiology reports and images.

Universal Medical Resources, Inc. 120

Universal Medical Resources, Inc. has nurtured a business philosophy founded on offering a continuum of nuclear cardiology equipment services at a reduced cost. UMRi sells new gamma cameras; completely refurbishes cameras; provides parts and service; establishes nuclear cardiology labs; has in-house clinical and technical support and more.

Witt Biomedical 107

Witt Biomedical's complete information and imaging management system for the cardiology enterprise is CALYSTO™ for Cardiology. Simple enough to apply to a single department and comprehensive enough to integrate all of cardiology, the top rated CALYSTO™ is the most innovative Cardiology Information and Image Management System in the market today.

Exhibit Hall Hours

All Exhibits will be in the Americas Hall 1 of the Hilton New York. The Exhibit Hall will be open

- Thursday, September 30, 5:00pm-7:00pm
- Friday, October 1, 9:30am-4:30pm
- Saturday, October 2, 10:00am-4:00pm

Accreditation

The American Society of Nuclear Cardiology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CME Credit

ASNC designates this CME activity for a maximum of 22 category 1 credits toward the American Medical Association Physician's Recognition Award. Each physician should claim only the credits that he/she spent in the activity. **You may pick up your CME certificates at the registration desk any time after 12:00 noon on Saturday, October 2.**

Application has been made with the Society of Nuclear Medicine for V.O.I.C.E. credits for technologists in attendance.



Technologists should complete their V.O.I.C.E. credit applications and mail them directly to the Society of Nuclear Medicine or return them to the registration desk by 2:00pm, Sunday, October 3. Applications left at the registration desk that do not have an SNM membership number will not be submitted to SNM.

You may pick up a Certificate of Attendance at the registration desk any time after 12:00 noon on Saturday, October 2.

The purpose of this program is to provide a better understanding of nuclear cardiology. The program does not offer extensive training or certification in the field.

Registration and Information

Registration will take place in the 2nd floor Promenade of the Hilton New York. Information about American Society of Nuclear Cardiology membership and programs, as well as information regarding ASNC2004 and ASNC2005 is available at the ASNC booth located near registration in booth #P-5.

On-site registration fees

Physician member	\$660
Physician non-member	\$760
Physician - one-day	\$400
Non-physician member	\$370
Non-physician non-member	\$420
Non-physician one-day	\$200
Exhibits only	\$50

Admission Requirements

Admission to all sessions and the exhibit hall is by badge only. Pick up your badge and meeting materials at on-site registration. Children under age 16 will not be admitted into the Exhibit Hall.

No Smoking Policy

Smoking is prohibited in all meeting rooms, the exhibit hall and events. Your compliance is appreciated.

Meeting Evaluations

Please complete the evaluation form found in your registration packet. These can be dropped off at the Registration desk prior to 2:00pm on Sunday, October 3 or mailed to ASNC at the address on the evaluation form. Please note that your comments are important. We use them as the basis for planning future programs.

Speaker Ready Room

The speaker ready room is located on the 2nd floor of the Hilton New York in the Madison Suite. All speakers need to check in with the audio visual staff at least two-hours prior to your presentation.

E-Mail Stations

Attendees will have access to e-mail stations located near the registration desk in the 2nd floor West Promenade. Please limit your usage if others are waiting.



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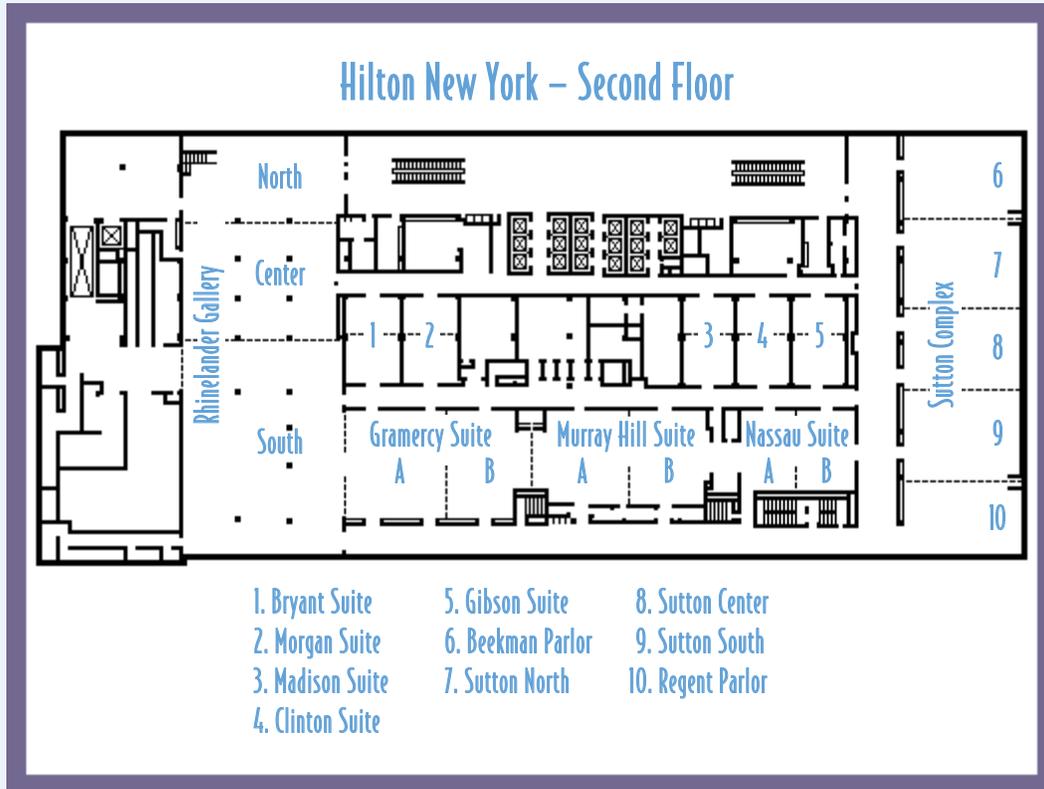
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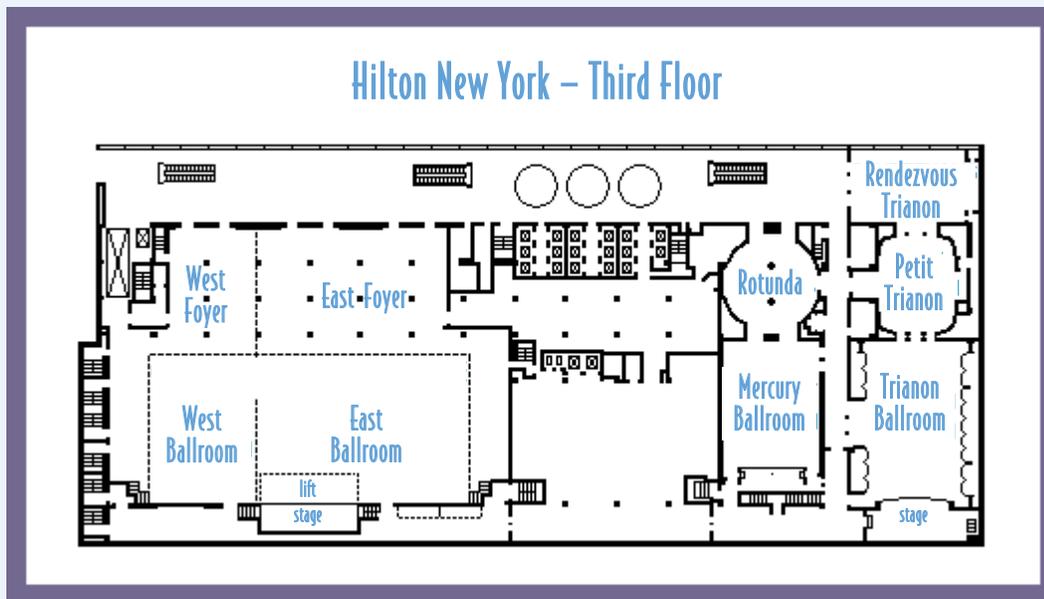
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| <p>Beekman Parlor (6) Technologists Consideration for the Future – Thursday
Joint ASNC/SAI Imaging evening session – Thursday
RWTE – Friday and Saturday</p> <p>Sutton North (7) ICANL Getting Started Workshop – Thursday
Advocacy Issues Forum – Thursday
RWTE – Friday and Saturday</p> <p>Sutton Center (8) RWTE – Friday and Saturday</p> <p>Sutton South (9) RWTE – Friday and Saturday</p> <p>Regent Parlor (10) RWTE – Friday and Saturday</p> | <p>2nd floor Promenade Registration and Association Exhibits</p> <p>Murray Hill Suite Investigative Track – Saturday
Young Investigator Competition – Saturday
Technical Track – Sunday</p> <p>Gramercy Suite Joint session on women and heart disease – Friday
Lunch Symposium – Saturday</p> <p>Madison Suite (3) Speaker Ready Room</p> <p>Gibson Suite (5) Staff Office and Press Room</p> |
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|--|---|
| <p>East Ballroom Core Curriculum and Plenary Session – Thursday - Sunday</p> <p>Rendezvous Trianon Advanced Clinical Track</p> <p>Petite Trianon Technical Track – Friday - Saturday</p> <p>Americas Hall 1* Exhibits – Thursday - Saturday</p> <p><small>* Americas Hall 1 is located to the left of the Grand Ballroom Suite</small></p> | <p>3rd floor Promenade Opening Reception – Thursday
Posters – Friday and Saturday</p> <p>West Ballroom Lunch Symposia – Friday and Saturday
Self-Assessment Review – Saturday and Sunday</p> <p>Trianon Ballroom Lunch Symposia – Friday and Saturday
Gala Reception – Saturday</p> <p>Mercury Ballroom Vendors' Forum – Friday</p> |
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2. Bar Harbor Invitation Meeting 2000. *J Nucl Cardiol.* 2001;8:224-316.

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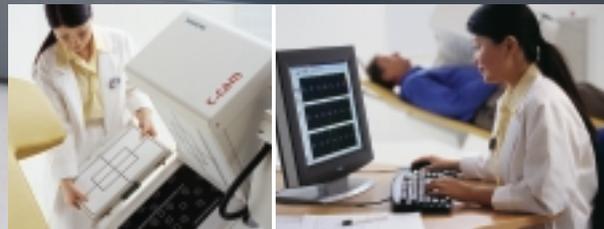
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