ASNC2020:
25th Annual Scientific Session
and Exhibition Final Program
PRESIDENT’S WELCOME

Dear Colleagues,

Welcome to ASNC’s 25th Annual Scientific Session and Exhibition!

It has been a year of dramatic change and challenge for all of us, no less so for our Society. As the pandemic unfolded ASNC quickly adjusted course, and the result has been a series of exciting firsts: Our first virtual annual meeting, first time with virtual moderators tweeting live from every session; first time hosting a truly global meeting.

In a year full of firsts, there are constants worth celebrating. Foremost is nuclear cardiology, the heart of our practices – essential for optimizing cardiovascular outcomes for our patients, the foundation of our practices, and crucial for every cardiology imager’s professional advancement. Another constant is ASNC and our Annual Scientific Session. ASNC is the heart of our community, and our annual meeting has been our field’s unparalleled resource for collaborative learning for a quarter-century.

ASNC2020 Program Chair Terrence Ruddy, MD, MASNC, and the Program Committee have created a remarkable event that simultaneously continues our tradition and breaks new ground. As you participate in ASNC2020, you will grow your nuclear cardiology portfolio while exploring the promise of complementary new technology.

I look forward to connecting with you throughout ASNC2020 – in sessions, chat-rooms, breakouts, the Exhibitor Showcase, and on social media. Enjoy!
Dear Colleagues,

On behalf of the ASNC2020 Program Co-chair Piotr Slomka, MD, FASNC, welcome to the 25th Annual Scientific Session and Exhibition of the American Society of Nuclear Cardiology.

We are proud to offer an outstanding program covering the breadth of nuclear cardiology and reflecting this year’s theme, “Using Technology to Improve Patient Care.” How appropriate that ASNC2020 is using technology to improve education, foster collaboration, and deliver a truly global meeting!

Be sure to log on for this year’s unique highlights, including the Mario Verani Memorial Lecture by Marcelo F. Di Carli, MD, MASNC; plenary and special sessions addressing timely topics such as applying AI and wearables in your imaging practice; COVID-19 and public health policy; diversity and inclusion; vulnerable plaque imaging; the ISCHEMIA trial; and much more. Our virtual platform makes it possible for us to interact in new ways. Please take advantage of the chat-box to interact with faculty and other learners. Make time to visit ASNC’s first virtual Exhibitor Showcase and participate in our networking events. And be sure to share your thoughts on social media using #ASNC2020 and #CVNuc.

Enjoy the program!

Terrence Ruddy, MD, MASNC
ASNC2020 Program Chair
The need to prepare patients for their nuclear stress test hasn’t changed. When patients come prepared for a nuclear stress test, they are more likely to have a positive experience. Being prepared can also help avoid rescheduled tests.

Visit the Astellas Virtual Booth to learn about resources designed to:

- Educate patients about how to prepare for a nuclear stress test
- Inform patients about what to expect during a nuclear stress test

Click here to visit the Astellas Virtual Booth and learn more about patient-focused digital resources.
Bringing nuclear cardiology professionals together for patient-focused care

In the current healthcare environment, it’s more important than ever that healthcare professionals work together, collaborate, and share resources to deliver quality care while ensuring the safety of staff and patients. All Together. All For One.

Explore our website designed to help support you and your practice.

On AllForOneCardiovascular.com, explore information, insights, and resources for today’s nuclear cardiology lab with a wide array of digital resources that can help educate your colleagues and patients.

Visit AllForOneCardiovascular.com
Thank You to Our ASNC2020 Supporters

Elite

Premier

Gold

Silver

Bronze
The American Society of Nuclear Cardiology (ASNC) would like to thank the International Atomic Energy Agency (IAEA) for their fourth year of generous support of live streaming of ASNC’s annual scientific sessions to physicians, scientists and technologists in developing countries.

- Argentine Federation of Cardiology
- Argentine Society of Cardiology
- Asia Oceania Federation of Nuclear Medicine and Biology
- Association of Nuclear Medicine Physicians of India
- Brazilian Society of Cardiology
- Chinese Society of Nuclear Medicine
- Egyptian Society of Cardiology
- European Association of Cardiovascular Imaging
- European Association of Nuclear Medicine
- European Society of Cardiology
- Inter-American Society of Cardiology
- Japanese Society of Nuclear Cardiology
- Japanese Society of Nuclear Medicine
- Kuwait Society of Nuclear Medicine
- Latin American Association of Biology and Nuclear Medicine
- Mexican Society of Cardiology
- Saudi Heart Association
- Spanish Society of Nuclear Medicine and Molecular Imaging
- Turkish Society of Cardiology
- Turkish Society of Nuclear Medicine
- World Federation of Nuclear Medicine and Biology
# ASNC2020 Exhibitor Showcase Directory

## ELITE
- **Lexiscan®** (regadenoson) injection
  - Astellas Educational Resources

## PREMIER
- **Pfizer**

## GOLD
- **IAEA - International Atomic Energy Agency**
  - Siemens Healthineers

## SILVER
- **Bracco Diagnostics**
  - Ionetix
  - Jubilant Radiopharma
  - Spectrum Dynamics Medical
  - TTG Imaging Solutions

## BRONZE
- **Akcea**
- **Cardiac Imaging, Inc.**
  - Cardinal Health
- **CDL Nuclear Technologies**
- **Cedars-Sinai**
  - Certification Board of Nuclear Cardiology™ (CBNC™) / APCA
- **Digirad**
  - European Association of Cardiovascular Imaging (EACVI)
- **GE Healthcare**
- **Intersocietal Accreditation Commission (IAC)**
- **MiE America**
  - MIS - Molecular Imaging Services, Inc.
  - NorthStar Medical Radioisotopes, LLC
- **Philips**
  - Positron
  - Syntermed

## EXHIBITORS
- **DAIC**
  - Nuclear Medicine Technology Certification Board Basic
  - Sirona Complete Care Basic
  - Cardiovascular Research Foundation (CRF)

### VISIT ASNC IN THE EXHIBITOR SHOWCASE
- Learn about the latest programs and resources including the COVID-19: Patient Confidence Toolkit
- Join or renew your membership
- Download the official ASNC2020 Virtual Backgrounds
- Download the new Quality Resources and Guidelines App at the App booth
- Learn about the exciting new format for the Nuclear Cardiology Board Exam Prep Course

### PLAY THE ASNC2020 EXHIBITOR SHOWCASE PASSPORT CHALLENGE

Earn points by visiting booths in the Exhibitor Showcase for your chance to win a prize. It's that easy!

The top three points leaders will receive:
- **1st** - Free Registration to ASNC2021 plus a $250 Amazon Gift Card
- **2nd** - $150 Amazon Gift Card
- **3rd** - $50 Amazon Gift Card

Visit the Exhibitor Showcase today – open 24 hours a day!
SATELLITE SYMPOSIA

Pfizer Breakfast Symposium (non-CME)
Friday, September 25 from 7:45 AM – 8:30 AM (EDT)

Join us for the “Pfizer Breakfast Symposium - A Challenging Road to Diagnosis: Recognizing Transthyretin Amyloid Cardiomyopathy (ATTR-CM) in Practice” presented by Jamieson M. Bourque, MD, MHS, FASNC of the University of Virginia Health System in Charlottesville, VA.

BRACCO Lunch and Learn (non-CME)
Friday, September 25 from 12:45 PM – 1:45 PM (EDT)

Join us for the “BRACCO Lunch and Learn - Predicting angina and mortality: subendocardial versus transmural quantitative myocardial perfusion” presented by K. Lance Gould, MD, Executive Director of the Weatherhead PET Center for Preventing and Reversing Atherosclerosis in Houston, TX.

Renowned researcher, educator and speaker Dr. K. Lance Gould will present and explain the implications of new data about subendocardial perfusion imaging and its value for detecting ischemia that may have previously gone unnoticed.

Akcea Evening Symposium (non-CME)
Friday, September 25 from 8:00 PM – 9:00 PM (EDT)

Join us for the Akcea Evening Symposium - “New Management Option for hATTR Amyloidosis with Polyneuropathy” presented by Richard Wright, MD, FACC, Chairman of the Board, Pacific Heart Institute in Santa Monica, CA.

Are your patients with hereditary ATTR amyloidosis also suffering from polyneuropathy? Our expert speaker will discuss the importance of recognizing the disease early and how a treatment option for the polyneuropathy of hereditary ATTR amyloidosis affects neuropathy progression and patient quality of life.

IONETIX Lunch and Learn (non-CME)
Saturday, September 26 from 11:45 AM – 12:45 PM (EDT)

Join us for the “IONETIX Lunch and Learn - Why use Ammonia N-13 PET/CT MPI?” presented by Thomas Rosamond, MD, FACC, FAHA of the University of Kansas Medical Center in Kansas City, KS.

The presentation will include:
• a fundamental first-principles case for utilizing N-13 Ammonia for cardiac stress testing through the ED
• a review of Dr. Rosamond’s experience starting a Cardiac PET program from scratch for the purpose of ED stress testing using N-13 Ammonia
ASNC2020 EDUCATION AND PROGRAM

FACULTY DISCLOSURES
All faculty has disclosed and ASNC has resolved all COIs.

CLAIMING CME/ABIM MOC OR CE CREDITS
Attendees will receive a link to access the evaluation site for the live sessions. Certificates for Meeting on Demand (MOD) participation will be handled through the MOD platform.

In order to maintain competence and improve performance, imaging professionals must assimilate and integrate knowledge spanning multiple areas, including clinical data, technical aspects of imaging, and appropriate application of imaging (e.g., clinical guidelines and appropriate use criteria). Each of these areas is constantly evolving, particularly as innovative technologies and novel pharmacologic agents are introduced. ASNC2020 is an educational activity designed to help you and other imaging professionals obtain the latest information in clinical practice and review cutting-edge scientific advances in nuclear cardiology and cardiac imaging.

Target Audience
This course is intended for cardiologists, radiologists, nuclear medicine specialists, practice administrators, nuclear technologists, nurses, and other health care professionals with an interest in the field of nuclear cardiology and cardiac CT imaging.

www.asnc.org/ASNC2020
Learner Objectives
After participating in this activity, learners will be able to:

• Demonstrate improved skills in image interpretation and reporting
• Learn how to recognize and minimize technical problems and artifacts that may be associated with cardiac imaging
• Learn the appropriate use of cardiac imaging techniques based on current guidelines
• Evaluate new imaging technologies, software, and stress techniques
• Understand the role of nuclear and cardiac CT imaging in overall patient care
• Learn the importance of balancing radiation exposure with image quality
• Describe future directions in cardiac PET, CT and SPECT/CT in order to anticipate training and equipment needs
• Understand the clinical implication of CT coronary angiography cases and recognize its value and limitations in clinical cardiology

This program design includes:

• A scientific forum featuring panel discussions on focused areas of cutting-edge research
• State-of-the-art reviews of the key aspects of nuclear cardiology by the world’s experts
• A basic core curriculum addressing practical issues in the performance of nuclear cardiology procedures to include opportunities for maintenance of certification credit
• Scientific sessions on advances in nuclear cardiology
• Ethics sessions will offer case based scenarios dealing with ethical issues
• An Educational track dealing with the pathophysiology of multimodality imaging
• Highlight sessions dealing with clinical value of pharmacologic PET
• Presentations addressing technical issues in nuclear cardiology
• Oral abstracts featuring the latest clinical studies in cardiovascular imaging
• Abstracts of original investigation programmed as ePoster presentations
• Commercial exhibits displaying the latest in nuclear cardiology technology and services
• Cost-related information in the practice and business of nuclear cardiology
• Opportunities to convene and interact with experts in all aspects of nuclear cardiology and cardiovascular imaging
• The latest information on health policy reform

Disclosure Policy
As an Accreditation Council for Continuing Medical Education (ACCME) accredited continuing medical education (CME) provider, the American Society of Nuclear Cardiology adheres to the ACCME’s Standards for Commercial Support. In compliance with these standards, it is ASNC’s policy to ensure balance, independence, objectivity, and scientific merit in all of its educational activities through disclosure of relevant financial relationships with commercial companies and resolution of conflicts of interest. The financial interest or relationships requiring disclosure are outlined in ASNC’s Conflict of Interest Policy. All planners, reviewers, moderators, presenters involved in this activity were required to disclose any relevant financial relationships. The American Society of Nuclear Cardiology has reviewed this activity’s faculty disclosures and resolved or managed all identified conflicts of interests through a peer review process.
ASNC EDUCATION AND PROGRAM

ePosters
Support the next generation of scientists and researchers. ePosters can be viewed anytime throughout the day on the ASNC2020 event platform. Access the full abstract texts.

Coffee and Cocktails with Faculty Happy Hours

Friday, September 25 | 6:45 PM – 8:00 PM
Saturday, September 26 | 6:00 PM – 7:00 PM

Take advantage of two opportunities to meet with faculty to discuss ASNC2020's biggest topics. Bring your favorite beverage!

YOU WON’T MISS A MOMENT!

All ASNC2020 sessions will be included in the Meeting OnDemand available in mid-October.
# ASNC2020 Schedule At-a-Glance

**Main Program: September 25-26**

All times are Eastern Daylight Time (EDT)

## Friday, September 25

<table>
<thead>
<tr>
<th>Time</th>
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| 7:45 AM – 8:30 AM | SAT01 - Pfizer Breakfast Symposium - A Challenging Road to Diagnosis: Recognizing Transthyretin Amyloid Cardiomyopathy (ATTR-CM) in Practice (non-CME)  
Speaker: Jamieson Bourque, MD, MHS  
**Satellite Symposia**  
(Not part of the program planned by the ASNC2020 Program Committee) |
| 8:30 AM – 8:45 AM | Visit the Exhibitor Showcase and ePoster Sessions                     |
| 8:45 AM – 10:00 AM| 101 - Welcome, Presidents' Presentations and Awards Plenary  
Moderator: Rob S.B. Beanlands, MD, MASNC  
Virtual Moderator: Vasvi Singh, MD  
**Plenary** |
| 10:00 AM – 10:15 AM | Visit the Exhibitor Showcase and ePoster Sessions                     |
| 10:15 AM – 11:30 AM | 103 - Clinical PET in CAD  
Moderator: Vasken Dilsizian, MD, MASNC  
Virtual Moderator: Cesia Gallegos, MD  
**PET** |
| 10:15 AM – 11:30 AM | 104 - Young Investigators Competition and Research Award Presentation  
Moderator: Mehran Sadeghi, MD  
Panelist/Judge: Panithaya Chareonthaitawee, MD; Robert A. deKemp, PhD, FASNC; Robert J. Gropler, MD, MASNC; Fadi G. Hage, MD, MASNC; Rene Packard, MD, PhD  
**Abstracts** |
| 11:30 AM – 11:45 AM | Visit the Exhibitor Showcase and ePoster Sessions                     |
| 11:45 AM – 12:45 PM | 107 - COVID-19 and CT Imaging  
Moderator: Erick Alexanderson, MD  
Virtual Moderator: Thomas Hauser, MD  
**Special**  
This session is supported by an educational grant from IAEA |
| 12:45 PM – 1:45 PM | SAT02 - Bracco Lunch & Learn Symposium - Predicting Angina and Mortality: Subendocardial Versus Transmural Quantitative Myocardial Perfusion  
Speaker: K. Lance Gould, MD (non-CME) |
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<td>1:45 PM – 2:00 PM</td>
<td>Visit the Exhibitor Showcase and ePoster Sessions</td>
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| 2:00 PM – 3:00 PM | **110 - Cardiac Applications of Artificial Intelligence Approaches in Wearable Devices**<br>Moderator: Rami Doukky, MD, FASNC<br>Virtual Moderator: Ahmad Masri, MD **Special**  
**111 - Expanding the Clinical Role of Quantitative MBF with PET**<br>Moderator: Rob S.B. Beanlands, MD, MASNC<br>Virtual Moderator: Carmela Nappi, MD, PhD **PET**  
**112 - Diversity and Inclusion in Clinical Nuclear Cardiology – A Case-Based Ethics Session (A Joint Session with the Association of Black Cardiologists)**<br>Moderators: Andrew Einstein, MD, PhD, FASNC; Ola Akinboboye, MD, FASNC<br>Virtual Moderator: Renée Bullock-Palmer, MD, FASNC **Special** |
| 3:00 PM – 3:20 PM | Visit the Exhibitor Showcase and ePoster Sessions                     |
| 3:20 PM – 4:45 PM | **114 - Amyloid-Best Practices**<br>Moderator: Donna M. Polk, MD, MPH, FASNC<br>Virtual Moderator: Brett W. Sperry, MD **Clinical Solutions**

*This session is supported by an educational grant from Pfizer, Inc.*

**115 - I Have Lots of Experience with SPECT MPI: How can I Learn to Read PET MPI?"**<br>Moderator: Terrence D. Ruddy, MD, MASNC<br>Virtual Moderator: Krishna K. Patel, MD **PET**

Note: Starts at 3:30

**116 - Vulnerable Plaque Imaging Coronary and Carotid Atherosclerosis (Joint Session with SCMR)**

Moderator: Benjamin Chow, MD, FASNC<br>Virtual Moderator: Sanjay Divakaran, MD **Intersocietal Multimodality Imaging**

*These sessions are supported by an educational grant from IAEA.*

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<td>4:45 PM – 5:00 PM</td>
<td>Visit the Exhibitor Showcase and ePoster Sessions</td>
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<tr>
<td>5:00 PM – 6:30 PM</td>
<td><strong>118 - Mario Verani Lecture and Keynote Presentation</strong>&lt;br&gt;Moderator: Piotr J. Slomka, PhD, FASNC&lt;br&gt;Virtual Moderator: Niti R. Aggarwal, MD, FASNC; Renée Bullock-Palmer, MD, FASNC <strong>Plenary</strong></td>
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<tr>
<td>6:30 PM – 6:45 PM</td>
<td>Special Presentation by the Thallium Stallions&lt;br&gt;Brought to you by Sirona Complete Care</td>
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<td>6:45 PM – 8:00 PM</td>
<td>Coffee and Cocktails with Faculty Happy Hour</td>
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<td>8:00 PM – 9:00 PM</td>
<td><strong>SAT03 - Akcea Evening Symposium: New Management Option for hATTR Amyloidosis with Polyneuropathy (non-CME)</strong>&lt;br&gt;Speaker: Richard Wright, MD, FACC <strong>Satellite Symposia</strong> (Not part of the program planned by the ASNC2020 Program Committee)</td>
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| 9:00 AM – 10:15 AM | 201 - Imaging Innovations to Improve Outcomes  
Moderator: Alejandro H. Meretta, MD  
Virtual Moderator: Shaden Khalaf, MD  
*Advanced*  
202 - Calcium Scoring: Clinical Applications in Nuclear Cardiology and Beyond (Joint Session with SCCT)  
Moderator: Joao Vitola, MD, PhD, MASNC  
Virtual Moderator: Mrinali Shetty, MD  
*Intersocietal Multimodality Imaging*  
*These sessions are supported by an educational grant from IAEA.* |
| 10:15 AM – 10:45 AM | Visit the Exhibitor Showcase and ePoster Sessions                       |
| 10:45 AM – 11:45 AM | 205 - COVID-19: Public Policy and Medical Decision-making During the Pandemic – Best Practices for Nuclear Cardiology  
Moderator: David G. Wolinsky, MD, MASNC  
Virtual Moderator: Biljana Parapid, MD, PhD  
*Special*  
*This session is supported by an educational grant from IAEA.* |
| 11:45 AM – 12:45 PM | SAT05 - Ionetix Lunch & Learn (non-CME)  
Why use Ammonia N-13 PET/CT MPI?  
Thomas Rosamond, MD  
(Not part of the program planned by the ASNC2020 Program Committee)  
*Satellite Symposia* |
| 12:45 PM – 2:00 PM | 207 - The ISCHEMIA Trial  
Moderator: Jeffrey A. Leppo, MD, MASNC  
Virtual Moderators: Emmanuel Akintoye, MD, MPH; Krishna K. Patel, MD  
*Plenary* |
| 2:00 PM – 2:15 PM | Visit the Exhibitor Showcase and ePoster Sessions                       |
| 2:15 PM – 3:30 PM | 209 - New Applications for PET Imaging  
Moderator: Mouaz H. Al-Mallah, MD, MSc, FASNC  
Virtual Moderator: Cesia Gallegos, MD  
*Advanced*  
210 - Selecting Between Different Functional Tests  
Moderator: Koen Nieman, MD, PhD  
Virtual Moderator: Parham Eshtehardi, MD  
*Intersocietal Multimodality Imaging*  
*This session is supported by an educational grant from IAEA.* |
| 3:30 PM – 4:00 PM | Visit the Exhibitor Showcase and ePoster Sessions                       |
### ASNC2020 MAIN PROGRAM – SEPTEMBER 25-26

#### FRIDAY, SEPTEMBER 25, 2020

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Moderator: Niti R. Aggarwal, MD, FASNC  
Virtual Moderator: Aditya Joshi, MD  
**Social Media** |
| 5:45PM – 6:00 PM | Special Presentation by the Thallium Stallions  
Brought to you by Sirona Complete Care |
| 6:00 PM – 7:00 PM | Coffee and Cocktails with Faculty Happy Hour |

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**SAT01 - Pfizer Breakfast Symposium - A Challenging Road to Diagnosis: Recognizing Transthyretin Amyloid Cardiomyopathy (ATTR-CM) in Practice (non-CME)**  
*Speaker: Jamieson Bourque, MD, MHS*  

**7:45 AM – 8:30 AM**  
Satellite Symposia  
*(Not part of the program planned by the ASNC2020 Program Committee)*

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**101 - Welcome, Presidents’ Presentations and Awards**  
**8:45 AM - 10:00 AM**  
*Moderator: Rob S.B. Beanlands, MD, MASNC  
Virtual Moderator: Vasvi Singh, MD  
**Plenary***

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| 8:45 AM    | ASNC Program Chair Remarks  
Terrence D. Ruddy, MD, MASNC |
| 8:50 AM    | **2020 ASNC President**  
Sharmila Dorbala, MD, MPH, FASNC |
| 9:00 AM    | **2020 ACC President**  
Athena Poppas, MD |
| 9:10 AM    | **President Elect’s Address**  
Randall C. Thompson, MD, FASNC |
9:30 AM ASNC Award Presentations
Rob S.B. Beanlands, MD, MASNC; Sharmila Dorbala, MD, MPH, FASNC

9:40 AM JNC Award Presentations
Ami E. Iskandrian, MD, MASNC

9:45 AM IANC Award Presentation
Raymond R. Russell III, MD, PhD, MASNC

9:50 AM IANC Research Fellowship Award Presentation - Ketogenic Diet Versus Exogenous Ketone Supplementation on Myocardial Glucose Suppression using FDG-PET: Preliminary Findings from KEETO-CROSS
Senthil Selvaraj, MD, MA

103 - Clinical PET in CAD
10:15 AM - 11:30 AM (concurrent session)
Moderator: Vasken Dilsizian, MD, MASNC
Virtual Moderator: Cesia Gallegos, MD

PET

10:15 AM Cardiac PET in the Identification and Characterization of CAD Process and the Arteriolar Vessel
Heinrich R. Schelbert, MD, PhD

10:30 AM PET Perfusion and Flow Assessment - Can it Guide Revascularization Strategy in CAD
Timothy M. Bateman, MD, MASNC

10:45 AM Appropriate Use Criteria (AUC) for PET MPI: A Short Overview
Thomas H. Schindler, MD, PhD

11:00 AM Considerations and Calculations to Establish a Cardiovascular PET Laboratory
Mouaz H. Al-Mallah, MD, MSc, FASNC

11:15 AM Discussion

104 - Young Investigators Competition and Research Award Presentation
10:15 AM - 11:30 AM (concurrent session)
Moderator: Mehran Sadeghi, MD
Panelist/Judge: Panithaya Chareonthaitawee, MD; Robert A. deKemp, PhD, FASNC; Robert J. Gropler, MD, MASNC; Fadi G. Hage, MD, FASNC; Rene Packard, MD, PhD

Abstracts

10:15 AM 104-02 - Generation of Parametric Ki Images Using FDG PET Dual-time-point Imaging Data for Cardiac Sarcoidosis
J. Wu*, B. D. Young, H. Liu, M. Sadeghi, E. J. Miller, C. Liu

10:25 AM 104-03 - CT-free Attenuation Correction for Dedicated Cardiac SPECT Using a 3d Dual Squeeze-and-excitation Residual Dense Network
10:35 AM  104-04 - Development and Validation of a Diagnostic Model for Transthyretin Cardiac Amyloidosis

10:45 AM  104-05 - Myocardial FDG Suppression in Patients with Suspected Cardiac Sarcoidosis: Effect of Timing and Immunotherapy in Monitoring Therapy Response

10:55 AM  104-06 - TSPO-targeted PET Imaging in Aging Heart

11:05 AM  104-07 - Integration of Rubidium-82 Positron Emission Tomography (PET) Derived Regional Myocardial Blood Flow (MBF) Quantification in the Diagnosis of Coronary Artery Disease
C. Gallegos*, C. Trejo-Paredes, E. Posada, Y. Saito, Y. Liu, E. Spatz, E. J. Miller

11:15 AM  Announcement of YIA Award Winners
Mehran Sadeghi, MD

105 - Challenging Cases in Nuclear SPECT Imaging
10:15 AM - 11:30 AM (concurrent session)
Moderator: James A. Arrighi, MD, MASNC
Virtual Moderator: Gabriel B. Grossman, MD, PhD, FASNC
Clinical Solutions
This session is supported by an educational grant from Pfizer, Inc.

"Scattering of the Photons" Imaging the Obese Patient Presenting for Pre-Op Cardiac Assessment Prior to Surgery

10:15 AM  Case Presentation
Christiane Wiefels, MD, MSc
10:23 AM  Discussant
Saurabh Malhotra, MD, MPH, FASNC

"Rhythm Blues" What are the Options for Stress SPECT Imaging for Patients with Atrial Fibrillation and Rapid Ventricular Rates

10:33 AM  Case Presentation
Samia Massalha, MD
10:41 AM  Discussant
Rami Doukky, MD, FASNC
“LocoMOTION” - Dealing with The Claustrophobic Patient, the Elderly Patient with Tremors and the Agitated Patient

10:51 AM  Case Presentation  
Ahmed Aljizeeri, MB BS

10:59 AM  Discussant  
Manuel D. Cerqueira, MD, MASNC

“Special Cases” Stress Perfusion Imaging with SPECT in Patients with LVH due to HCM, Hypertensive Heart Disease, etc.

11:09 AM  Case Presentation  
Shivda Pandey, MD, FASNC

11:17 AM  Discussant  
James E. Udelson, MD, MASNC

107 - COVID-19 and CT Imaging  
11:45 AM - 12:45 PM  
Moderator: Erick Alexanderson, MD  
Virtual Moderator: Thomas Hauser, MD  
Special  
This session is supported by an educational grant from IAEA.

11:45 AM  COVID-19 Pneumonitis and CT  
H. Henry Guo, MD, PhD

12:05 PM  Incidentalomas on SPECT and PET/CT  
Raffaele Giubbini, MD

12:20 PM  Artificial Intelligence and Rapid Diagnosis with CT  
Piotr J. Slomka, PhD, FASNC

12:35 PM  Discussion

SAT02 - Bracco Lunch & Learn Symposium

12:45 PM – 1:45 PM

Predicting Angina and Mortality: Subendocardial Versus Transmural Quantitative Myocardial Perfusion” presented by K. Lance Gould, MD  
(Not part of the program planned by the ASNC2020 Program Committee)

110 - Cardiac Applications of Artificial Intelligence Approaches in Wearable Devices  
2:00 PM - 3:00 PM
**Moderator:** Rami Doukky, MD, FASNC  
**Virtual Moderator:** Ahmad Masri, MD

### Special

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<tr>
<td>2:00 PM</td>
<td><strong>Harnessing AI and Wearable Technology in Cardiovascular Disease Detection and Treatment</strong>&lt;br&gt;Mintu Turakhia, MD</td>
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<tr>
<td>2:25 PM</td>
<td><strong>The Patient's Voice</strong>&lt;br&gt;Heidi Dohse</td>
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<tr>
<td>2:35 PM</td>
<td><strong>Patient Interviewer</strong>&lt;br&gt;Panithaya Chareonthaitawee, MD</td>
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<tr>
<td>2:45 PM</td>
<td><strong>Discussion</strong></td>
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### 111 - Expanding the Clinical Role of Quantitative MBF with PET
**2:00 PM - 3:00 PM**

**Moderator:** Rob S.B. Beanlands, MD, MASNC  
**Virtual Moderator:** Carmela Nappi, MD, PhD

**PET**

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<td>2:00 PM</td>
<td><strong>Coronary Microvascular Disease: Diagnosis and Patient Management in 2020</strong>&lt;br&gt;Janet Wei, MD</td>
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<tr>
<td>2:12 PM</td>
<td><strong>How Can I be Sure that the Reduced MBF Reserve is Meaningful and not Artifactual?</strong>&lt;br&gt;Robert A. deKemp, PhD, FASNC</td>
</tr>
<tr>
<td>2:24 PM</td>
<td><strong>Can MBF Measurements with PET Replace Invasive Coronary Angiography for Detection of Transplant Vasculopathy?</strong>&lt;br&gt;Paco E. Bravo, MD</td>
</tr>
<tr>
<td>2:36 PM</td>
<td><strong>Can MBF Reserve Identify Patients with Asymptomatic Aortic Stenosis who Might Benefit from Earlier TAVR?</strong>&lt;br&gt;Wunan Zhou, MD</td>
</tr>
<tr>
<td>2:48 PM</td>
<td><strong>Discussion</strong></td>
</tr>
</tbody>
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### 112 - Diversity and Inclusion in Clinical Nuclear Cardiology – A Case-Based Ethics Session
**(A Joint Session with the Association of Black Cardiologists)**
**2:00 PM - 3:00 PM**

**Moderators:** Andrew Einstein, MD, PhD, FASNC; Ola Akinboboye, MD, FASNC  
**Virtual Moderator:** Renée Bullock-Palmer, MD, FASNC

**Special**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td><strong>Case 1: Cardiac Amyloidosis Case Presentation</strong>&lt;br&gt;Cory Henderson, MD</td>
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<tr>
<td>2:10 PM</td>
<td><strong>Panelists - Case 1</strong>&lt;br&gt;Kevin M. Alexander, MD&lt;br&gt;Mathew S. Maurer, MD&lt;br&gt;Nishant Shah, MD, MPH</td>
</tr>
<tr>
<td>2:25 PM</td>
<td><strong>Discussion</strong></td>
</tr>
<tr>
<td>2:30 PM</td>
<td><strong>Case 2: Cardiac PET Case Presentation</strong></td>
</tr>
</tbody>
</table>
2:40 PM  
**Panelists - Case 2**  
Brian C. Clark, MD  
Anne L. Taylor, MD  
Ernest V. Garcia, PhD, MASNC  
Kim A. Williams Sr., MD, MASNC  
2:55 PM  
**Discussion**

**Exhibitor Showcase and ePoster Sessions**  
3:00 PM – 3:20 PM

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### 114 - Amyloid-Best Practices  
3:20 PM - 4:45 PM  
**Moderator:** Donna M. Polk, MD, MPH, FASNC  
**Virtual Moderator:** Brett W. Sperry, MD  
**Clinical Solutions**  
This session is supported by an educational grant from Pfizer, Inc.

- **3:20 PM**  
  Presentation of the ASNC Pfizer Young Investigator in Cardiovascular Amyloidosis Research Fellowship Award  
  Albert J. Sinusas, MD, FASNC
- **3:30 PM**  
  2020 Update: Trends of Community Adoption of Cardiac 99mTc-PYP Scintigraphy  
  Frederick L. Ruberg, MD
- **3:45 PM**  
  Caution! Cardiac 99mTc-PYP Scintigraphy Increasingly Adopted but is Planar Imaging Sufficient? 1 or 3 hours? and Can we Track Disease Severity?  
  Jamieson M. Bourque, MD, FASNC
- **4:00 PM**  
  Cardiac 99mTc-PYP Scintigraphy: Not All TTR Glitters and Not All that Glitters is TTR  
  Omar F. Abouezzeddine, MDCM
- **4:15 PM**  
  Leaps & Hurdles: Is PET Cardiac Amyloid Imaging Ready for Clinical Primetime Yet?  
  Sharmila Dorbala, MD, MPH, FASNC
- **4:30 PM**  
  Discussion

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### 115 - I Have Lots of Experience with SPECT MPI: How can I Learn to Read PET MPI?"  
3:30 PM - 4:45 PM  
**Moderator:** Terrence D. Ruddy, MD, MASNC  
**Virtual Moderator:** Krishna K. Patel, MD  
**PET**  
This session is supported by an educational grant from IAEA.

- **3:30 PM**  
  How is PET Different from Traditional SPECT?  
  Dennis A. Calnon, MD, MASNC
3:45 PM  How are PET Artifacts Different from SPECT Artifacts?  
James A. Case, PhD

4:00 PM  How Can I Make the PET MPI Report Useful for the Referring Physician  
Rob S.B. Beanlands, MD, MASNC

4:15 PM  Opportunities for Education in Cardiac PET Outside of Traditional Fellowship Programs  
Gary V. Heller, MD, PhD, MASNC

4:30PM  Discussion: What Else is Needed for PET MPI to be More Widely Available?

116 - Vulnerable Plaque Imaging Coronary and Carotid Atherosclerosis (Joint Session with SCMR)
3:30 PM - 4:45 PM  
Moderator: Benjamin Chow, MD, FASNC  
Virtual Moderator: Sanjay Divakaran, MD  
Intersocietal Multimodality Imaging  
This session is supported by an educational grant from IAEA.

3:30PM  F-18 NaF Assessment of Activity of Calcification  
Marc R. Dweck, MBChB, PhD
3:45PM  Hybrid PET/CT Imaging of Plaque  
Jeroen J. Bax, MD, PhD, MASNC
4:00PM  Coronary CTA for Coronary Plaque Quantitation and Characterization  
Damini Dey, PhD
4:15PM  CMR in Assessment of Carotid and Coronary Plaque  
Chun Yuan, PhD
4:30PM  Discussion

118 - Mario Verani Lecture and Keynote Presentation
5:00 PM - 6:30 PM  
Moderator: Piotr J. Slomka, PhD, FASNC  
Virtual Moderator: Niti R. Aggarwal, MD, FASNC; Renée Bullock-Palmer, MD, FASNC  
Plenary

5:00 PM  President’s Welcome  
Sharmila Dorbala, MD, FASNC
5:05 PM  ASNC2020 Program Chair Welcome  
Terrence D. Ruddy, MD, MASNC
5:10 PM  Introduction of the Keynote Speaker  
Piotr J. Slomka, PhD, FASNC
5:15 PM  Keynote Presentation: Clinical Applications of Artificial Intelligence in Nuclear Cardiology  
Ernest V. Garcia, PhD, MASNC
5:35 PM  Discussion
5:45 PM  Introduction of Mario Verani Lecturer
        Ernest V. Garcia, PhD, MASNC
5:50 PM  Verani Lecture: Evolving Role of Nuclear Cardiology in CAD Management in the Era of Multimodality Imaging
        Marcelo Di Carli, MD, MASNC
6:20 PM  Discussion

Special Presentation by the Thallium Stallions
Brought to you by Sirona Complete Care
6:30 PM – 6:45 PM

Coffee and Cocktails with Faculty Happy Hour
6:45 PM – 8:00 PM

SAT03 - Akcea Evening Satellite: New Management Option for hATTR Amyloidosis with Polyneuropathy
8:00 PM – 9:00 PM
Speaker: Richard Wright, MD, FACC
(Not part of the program planned by the ASNC2020 Program Committee)
Satellite Symposia

SATURDAY, SEPTEMBER 26, 2020

201 - Imaging Innovations to Improve Outcomes
9:00 AM - 10:15 AM
Moderator: Alejandro H. Meretta, MD
Virtual Moderator: Shaden Khalaf, MD
Advanced
This session is supported by an educational grant from IAEA.

9:00 AM  Measurement of Myocardial Blood Flow with CZT SPECT Systems
        Terrence D. Ruddy, MD, MASNC
9:15 AM  Radionuclide Imaging for Cardiac Dyssynchrony: Clinical Applications and Challenges
        Saurabh Malhotra, MD, MPH, FASNC
9:30 AM  SPECT-CT PYP for Diagnosis of Cardiac Amyloidosis
        Cigdem Akincioğlu, MD
9:45 AM  Quantitative Perfusion SPECT and Artificial Intelligence for Enhanced Diagnosis and Prognosis
        Piotr J. Slomka, PhD, FASNC
10:00 AM Discussion
202 - Calcium Scoring: Clinical Applications in Nuclear Cardiology and Beyond  
(Joint Session with SCCT)  
9:00 AM - 10:15 AM  
Moderator: Joao Vitola, MD, PhD, MASNC  
Virtual Moderator: Mrinali Shetty, MD  
**Intersocietal Multimodality Imaging**  
This session is supported by an educational grant from IAEA.

9:00 AM  
**Role of CAC Scoring in Preventive Cardiology**  
Michael J. Blaha, MD

9:15 AM  
**How to Use CAC Scoring as a Gatekeeper to Functional Testing**  
Khurram Nasir, MD

9:30 AM  
**Adding CAC to SPECT and PET**  
Robert C. Hendel, MD, MASNC

9:45 AM  
**How to Manage the Asymptomatic Patient with CAC>1000**  
Ron Blankstein, MD, FASNC

10:00 AM  
Discussion

203 - Taking your SPECT Lab to a Higher Level: Best Practices  
9:00 AM - 10:15 AM  
Moderator: Gabriel B. Grossman, MD, PhD, FASNC  
Virtual Moderator: Abbas Emaminia, MD  
**Clinical Solutions**  
This session is supported by an educational grant from IAEA.

9:00 AM  
**What are the Dose Reduction Software and Hardware Options for the SPECT Lab: Solid State Cameras and Iterative Reconstruction Options for SPECT**  
Brian G. Abbott, MD, MASNC

9:15 AM  
**Quantitative Analysis with SPECT to Improve Image Interpretation Including Avoiding Attenuation Artifacts on CZT Using 2-position Imaging.**  
Ronald G. Schwartz, MD, MS, MASNC

9:30 AM  
**Challenges Encountered in the Open Reading Nuclear SPECT Lab: How to Ensure Consistency and Quality of Service**  
W. Lane Duvall, MD, FASNC

9:45 AM  
**The Importance of Correct Patient Instructions and Customization of Study Protocol for Patients-Who is Responsible? How to Ensure Consistency and Accuracy of Instructions: Technician’s Perspective**  
Denise Kale, CNMT

9:55 AM  
**The Importance of Correct Patient Instructions and Customization of Study Protocol for Patients- Who is Responsible? How to Ensure Consistency and Accuracy of Instructions: Physicians Perspective**  
Renée Bullock-Palmer, MD, FASNC

10:05 AM  
Discussion
Exhibitor Showcase and ePoster Sessions  
10:15 PM – 10:45 PM

205 - COVID-19: Best Practices for Nuclear Cardiology  
10:45 AM - 11:45 AM  
Moderator: David G. Wolinsky, MD, MASNC  
Virtual Moderator: Biljana Parapid, MD, PhD  
*Special*  
This session is supported by an educational grant from IAEA.

10:45 AM  
**COVID-19: Public Policy and Medical Decision-Making During the Pandemic – Best Practices for Nuclear Cardiology**  
Harvey V. Fineberg, MD, PhD

11:05 AM  
Discussion

11:20 AM  
**Best Practices for Nuclear Cardiology During the Pandemic**  
Hicham Skali, MD

11:35 AM  
Discussion

SAT05 - Ionetix Lunch & Learn  
11:45 AM - 12:45 PM  
*Why use Ammonia N-13 PET/CT MPI?*  
Thomas Rosamond, MD  
(Not part of the program planned by the ASNC2020 Program Committee)

Satellite Symposia

207 - The ISCHEMIA Trial  
12:45 PM - 2:00 PM  
Moderator: Jeffrey A. Leppo, MD, MASNC  
Virtual Moderators: Emmanuel Akintoye, MD, MPH; Krishna K. Patel, MD  
*Plenary*

12:45 PM  
**A Deep Dive into the Results**  
Lawrence M. Phillips, MD, FASNC

1:00 PM  
**Limitations of the Study Analysis**  
Raymond J. Gibbons, MD, MASNC

1:15 PM  
**Implications for SPECT and PET**  
Prem Soman, MD, PhD, MASNC

1:30 PM  
**How Will the Trial Affect Clinical Practice**  
James E. Udelson, MD, MASNC

1:45 PM  
Discussion

Exhibitor Showcase and ePoster Sessions  
2:00 PM – 2:15 PM
209 - New Applications for PET Imaging
2:15 PM - 3:30 PM
Moderator: Mouaz H. Al-Mallah, MD, MSc, FASNC
Virtual Moderator: Cesia Gallegos, MD
Advanced

2:15 PM  **Technique for PET Imaging Microvascular Angina: Subendocardial blues?**
Thomas H. Schindler, MD, PhD

2:30 PM  **Multimodality Approach to Plaque Imaging**
Zahi Fayad, PhD

2:45 PM  **PET Imaging for Predicting Arrhythmic Risk (HED and LMI1195 and Others)**
Albert J. Sinusas, MD, FASNC

3:00 PM  **Brain Heart Connection for Plaque Inflammation**
Ahmed Tawakol, MD

3:15 PM  **Discussion**

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210 - Selecting Between Different Functional Tests
2:15 PM - 3:30 PM
Moderator: Koen Nieman, MD, PhD
Virtual Moderator: Parham Eshtehardi, MD
Intersocietal Multimodality Imaging
This session is supported by an educational grant from IAEA.

2:15 PM  **Strengths and Limitations of Lesion Specific Ischemia Versus Myocardial Ischemia**
Marcelo Di Carli, MD, MASNC

2:30 PM  **Comparing the Diagnostic Accuracy of CT-FFR, SPECT, and PET**
Paul Knaapen, MD, PhD

2:45 PM  **The Role of Ischemia Testing in Patients with Non-obstructive CAD: CMR vs. PET**
Viviany R. Taqueti, MD, FASNC

3:00 PM  **Putting it all Together: How to Select the Best Non-invasive Imaging Test to Evaluate for Ischemia**
Daniel S. Berman, MD, MASNC

3:15 PM  **Discussion**

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211 - Machine Learning
2:15 PM - 3:30 PM
Moderator: Regina S. Druz, MD, FASNC
Virtual Moderator: Sarah Cuddy, MB ChB
Special
2:15 PM  Machine Learning for Medical Image Interpretation: Regulatory Opportunities and Challenges  
Garrett Astary, PhD

2:30 PM  Adding Value to Prognostication Using Machine Learning in Nuclear Cardiology  
Partho Sengupta, MD

2:45 PM  Machine Learning Applications in Cardiac CT  
Damini Dey, PhD

3:00 PM  Human vs. Machine: Case-based Challenge  
Ernest V. Garcia, PhD, MASNC

3:10 PM  Human vs. Machine: Case-based Challenge  
Rami Doukky, MD, FASNC

3:20 PM  Discussion

Exhibitor Showcase and ePoster Sessions  
3:30 PM – 4:00 PM

214 - Stable Ischemic Heart Disease: Black, White or Gray Scale  
4:00 PM - 5:15 PM  
Moderator: Niti R. Aggarwal, MD, FASNC  
Virtual Moderator: Aditya Joshi, MD

Social Media

4:00 PM  Clinical Case  
Krishna K. Patel, MD

Debate 1
4:15 PM  The Stent Wins  
Nils P. Johnson, MD
4:25 PM  The Statin Wins  
Todd D. Miller, MD, MASNC
4:35 PM  Rebuttals

Debate 2
4:45 PM  CT is the First Line in Stable Ischemia  
David Newby, MD, PhD
4:55 PM  Nuclear Perfusion Imaging is the First Line for Stable Ischemia  
Timothy M. Bateman, MD, MASNC
5:05 PM  Rebuttals

213 - Controversies in the Contemporary Era  
4:00 PM - 5:30 PM  
Moderator: Kim A. Williams Sr., MD, MASNC  
Virtual Moderator: Javier A. Gomez Valencia, MD

Plenary
Debate 1
4:00 PM  Single Payer System as a Solution to US Healthcare
Benjamin Chow, MD, FASNC

4:10 PM  Status Quo: Combination of Private Insurers and Medicare for US Healthcare
David G. Wolinsky, MD, MASNC

4:20 PM  Rebuttals

Debate 2
4:30 PM  Noninvasive Imaging to Guide Management Improves Outcomes in the Evaluation of Patients with Chest Pain
Renée Bullock-Palmer, MD, FASNC

4:40 PM  Noninvasive Imaging to Guide Management Adds Cost but is of Little Value in the Evaluation of Patients with Chest Pain
Catalin Toma, MD

4:50 PM  Rebuttals

Debate 3
5:00 PM  Is Multimodality Imaging Training and Certification/Recertification the Way Forward for Cardiovascular Imaging?
Karthikeyan Ananthasubramaniam, MD, FASNC

5:10 PM  Is Single Modality Imaging Training and Certification/Recertification in Multiple Modalities the Way Forward for Cardiovascular Imaging?
Edward J. Miller, MD, PhD, FASNC

5:20 PM  Rebuttals

Special Presentation by the Thallium Stallions
Brought to you by Sirona Complete Care
5:45 PM – 6:00 PM

Coffee and Cocktails with Faculty Happy Hour
6:00 PM – 7:00 PM
Additional ASNC2020 Program Events

More Cases with the Aces

Wednesday, September 30
CASE04 - Gone with the Wind: Cases That Will Blow You Over (Cook County, Rush)
4:00 PM - 5:30 PM
Case Presenters: Rami Doukky, MD, FASNC; Rupa Mehta Sanghani, MD, FASNC
Virtual Moderator: Javier A. Gomez Valencia, MD

Wednesday, October 7
CASE06 - Cases from the University of Rochester
4:00 PM - 5:30 PM
Case Presenters: Jesse Doran, MD; Maria L. Mackin, CNMT, RT, RT(N); Ronald G. Schwartz, MD, MS, MASNC

Technological Advances and Innovation in Nuclear Cardiology: A Look into the Future

Pre-Conference Special
Te lechnological Advances and Innovation in Nuclear Cardiology: A Look into the Future, Part 1
PRE 1 Session - Thursday, September 24, 2020 9:45-10:45
Moderators: Mehran Sadeghi, MD; I. George Zubal, PhD
• 9:45am - Novel SPECT technology - Ling Jian Meng, PhD
• 10:00am - New PET technology - Joel Karp, PhD
• 10:15am - Nuclear Imaging in the Interventional Suite - Albert J. Sinusas, MD, FASNC
• 10:30am - Discussion

Technological Advances and Innovation in Nuclear Cardiology: A Look into the Future, Part 2
PRE 2 Session - Thursday, September 24, 2020 11:00am - 12:00pm
Moderators: Ernest V. Garcia, PhD, MASNC; Piotr J. Slomka, PhD, FASNC
• 11:00AM - Novel Methods for Dynamic Cardiac SPECT Reconstruction - Chi Liu, PhD
• 11:15AM - Low Dose SPECT Reconstruction Methods for Nuclear Cardiology - Michael A. King, PhD
• 11:30AM - Advanced Strategies for PET Cardiac Quantitation - Georges El Fakhri, PhD
• 11:45AM - Discussion
Technological Advances and Innovation in Nuclear Cardiology: A Look into the Future, Part 3
PRE 3 Session - Thursday, September 24, 2020 12:30pm - 1:30pm
Moderators: Simhan Danthi, PhD; Albert J. Sinusas, MD, FASNC
• 12:30PM - Diagnostic Gaps and Related Biology in Contemporary CV Medicine - Mehran Sadeghi, MD
• 12:45PM - Emerging Tracers for CV Molecular Imaging - Peter Caravan, PhD
• 1:00pm - Barriers and Potential Solutions for Clinical Translation of Novel Tracers - Robert J. Gropler, MD, MASNC
• 1:15pm - Discussion

NIH Panel Discussion: Technological Advances and Innovation in Nuclear Cardiology: A Look into the Future
PRE 4 Session - Thursday, September 24, 2020 1:45pm-2:45pm
Moderators: Andrew E. Arai, MD; I. George Zubal, PhD
• 1:30PM - 1:45pm – NIH Funding Opportunities for Advancing Research in Nuclear Cardiology – Simhan Danthi, PhD
• 2:55pm - Vascular Inflammation, NHLBI, PET/CT & PET/MR and Other Imaging - Nehal Mehta, MD
• 2:05pm Technology Initiatives (Radiotracers, Probes, Camera Development, Reconstruction) - Tatjana Atanasijevic, PhD
• 2:15pm - Making PET Imaging Available in the Clinic: FDA and CMS - Peter Herscovitch, MD
• 2:30pm - Discussion

Technology and Techniques
Saturday, October 3

T&T01 - Image Artifacts on New Technology Systems
10:00 AM - 11:00 AM
Moderators: E. Gordon DePuey, MD, MASNC; James R. Galt, PhD

10:00 AM Solid State SPECT MPI Artifact
Vera Tsatkin, CNMT

10:30 AM Factors Affecting PET MPI Dynamic Flow Quant
Mi-Ae Park, PhD
T&T02 - Contemporary Nuclear Cardiology Imaging
11:15 AM - 12:15 PM
Moderators: James A. Case, PhD; Robert A. Pagnanelli, CNMT, RT(N)(R), NCT, FASNC

11:15 AM  What’s New?
Danny A. Basso, CNMT, NCT

11:45 AM  How to Modernize the Old Scanner
Robert A. Pagnanelli, CNMT, RT(N)(R), NCT, FASNC

T&T03 Cardiac Amyloidosis (PYP) Imaging
12:30 PM - 1:30 PM
Moderators: Jaime Warren, CNMT, MBA; Scott D. Jerome, DO, FASNC

12:30 PM  When and How to Scan (Technical Parameters)
Monica Embry-Dierson, CNMT

1:00 PM  How to Quantify Correctly and New Quant Methods
Eric J. Schockling, CNMT

T&T04 - Special Circumstances in Stress Testing
2:00 PM – 3:00 PM
Moderators: Danny A. Basso, CNMT, NCT; Mi-Ae Park, PhD

1:45 PM  When to Convert Between Exercise and Pharmacology
Brian G. Abbott, MD, MASNC

2:15 PM  When to Cancel Stress Testing
Gregory S. Thomas, MD, MPH, MASNC

T&T05 - Cardiac CT for Technologists
3:15 PM - 4:45 PM
Moderators: Mark C. Hyun, CNMT, NCT, RT(N)(R), FASNC; Timothy L. Dunn, CNMT

3:00 PM  How to Complement Cardiac CT with MPI (Physician perspective)
W. Lane Duvall, MD, FASNC

3:30 PM  How to Prepare CCTA (Prep Details)
Maria G. Sciammarella, MD

4:00 PM  How to Acquire/Process CCS and CCTA
Mark C. Hyun, CNMT, NCT, RT(N)(R), FASNC
Meeting OnDemand (MOD)
These sessions will only be available on the Meeting OnDemand along with all of the 20+ live sessions.

MOD01 - Hot Spot Imaging with FDG
Moderator: Dennis A. Calnon, MD, MASNC

Clinical Solutions
- Viable ... To Be or Not To Be (How to Perform and Interpret FDG Myocardial Viability Studies: How Much Viability is Enough) Fadi G. Hage, MD, FASNC
- What the Heck is an SUV (Clinical Utility and Pitfalls of FDG PET/CT for Suspected CIED or LVAD Infections) Edward Hulten, MD, MPH, FASNC
- Is it an Infection? FDG to the Rescue (Evolving Clinical Role of FDG PET/CT for Suspected Prosthetic Valve Endocarditis: Illustrative Cases) Fabien Hyafil, MD, PhD
- It’s all About the Uptake (How to Perform and Interpret FDG PET Studies for Sarcoidosis: Quantification of FDG Uptake Matters) Panithaya Chareonthaitawee, MD
- Discussion

MOD02 - Clinical Hybrid Imaging
Moderators: Ahmed Tawakol, MD; Albert J. Sinusas, MD, FASNC

Advanced
- FDG PET/CT Guided Diagnosis and Management of Cardiac Device Infections Vasken Dilsizian, MD, MASNC
- Cardiovascular PET/MR: Hibernating, Viable or Dead on Arrival? Robert J. Gropler, MD, MASNC
- What’s New in Digital PET/CT and Novel Attenuation Correction Techniques? R. Glenn Wells, PhD
- SPECT-CT Adding Calcium and Other Information from Attenuation Scans into Clinical Read Manuel D. Cerqueira, MD, MASNC
- Discussion

MOD03 - Integrating CTAC Data in SPECT/CT and PET/CT: Their Complementary Role
Saeed, MD; Jamieson M. Bourque, MD, FASNC
Case Presenters: Kyle Lehenbauer, MD; Neha Gupta, MD; Christopher Hanson, MD
Imaged-based
MOD04 - Advanced Imaging in Complex Cases: Added Cost or Added Value
Panelists: Mouaz H. Al-Mallah, MD, MSc, FASNC; Edward J. Miller, MD, PhD, FASNC; Wael A. Jaber, MD
Case Presenters: Aldo Schenone, MD; Balint Laczay, MD; Carlos El-Tallawi, MD
Imaged-based

MOD05 - Heart Failure/Chronic CAD
Panelists: Raymond R. Russell III, MD, PhD, MASNC; Robert Miller, MD; Paco E. Bravo, MD
Case Presenters: Emel Celiker Gular, MD; Attila Feher, MD, PhD; Mahesh Vidula, M.D.
Imaged-based

MOD06 - Advanced Cardiac Imaging for Cardiac Sarcoidosis: How to Choose Better
Moderators: Rob S.B. Beanlands, MD, MASNC; Brett W. Sperry, MD
Intersocietal Multimodality Imaging
• The Role of MRI in Cardiac Sarcoidosis
  Raymond Kwong, MD
• The role of PET/CT in Cardiac Sarcoidosis
  Edward J. Miller, MD, PhD, FASNC
• How a Cardiac Sarcoid Specialist Integrates Multimodality Imaging
  Ronald Witteles, MD
• Case Presentations
  Robert Miller, MD
• Discussion

MOD07 - Advanced Imaging in Complex Cases: PET Imaging in Non-ischemic Heart Disease
Case Presenters: Juliana Brenande, MD; Sanjay Divakaran, MD; Vidhu Anand, MB BS
Panelists: Panithaya Chareonthaitawee, MD; Matthieu Pelletier-Galarneau, MD MSc FRCPC; Sarah Cuddy, MB ChB
Visit us virtually at the 25th Annual ASNC Scientific Session and Expo!

Stop by the Pfizer Virtual Exhibit Booth to learn more about VYNDAMAX

Join us at the VYNDAMAX Satellite Breakfast Symposium

Friday, September 25th from 7:45–8:30 AM EDT

Please see the program agenda for additional symposium details
Designed to Take Your Study Experience to a Whole New Level

We have given the 2020 ASNC Board Exam Prep Course a virtual makeover. Whether you’re preparing for 2020 Nuclear Cardiology Board Exams or want to stay current on board-focused updates in nuclear cardiology, this course is for you.

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IONETIX is pioneering a new approach to cardiac PET that makes offering clean and accurate imaging easy and affordable.

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To learn more about the IONETIX workflow solution that puts a small, powerful cyclotron near your imaging center – at no cost to you – and includes staff to operate the cyclotron and more, click HERE to visit the IONETIX booth at ASNC.

¹ https://doi.org/10.1161/CIRCIMAGING.117.006427
² http://doi.org/10.1016/j.jacc.2009.02.069