Pre-Congress Symposium: Myocardial perfusion imaging in clinical routine: from SPECT/PET to hybrid imaging

Saturday, October 15, 2016, 09:00 - 12:00

Educational Objectives
1. What are the Clinical Indications for SPECT/(CT) and PET/(CT) MPI?
2. What is Patient-centered Imaging and How to Implement Radiation Dose Reduction Strategies?
3. How to Systematic Approach the Interpretation and Reporting of MPI SPECT/(CT) and PET/(CT)?
4. How to make an Effective Report for Adequate Patient Risk Stratification and Management?

Summary
Stress testing remains the cornerstone for noninvasive assessment of patients with possible or known coronary artery disease (CAD). Standard exercise treadmill testing is the initial procedure of choice in patients with a normal or near-normal resting electrocardiogram who are capable of adequate exercise. Stress imaging is recommended for patients with prior revascularization, uninterpretable electrocardiograms, or inability to adequately exercise.

Since the introduction of myocardial perfusion imaging with scintigraphic techniques there have been many (technical) developments. The goal of this pre-congress symposium is to give an overview of the current state-of-the-art including insights in the increasing clinical implementation of myocardial perfusion imaging with PET and the use of anatomical information obtained with CT. As radiation dose reduction strategies are becoming of increasing importance these are also discussed.

There is a need for standardization of used protocols, not only in Europe and the United States of America but worldwide. To emphasize this need for standardization this pre-congress symposium is organized as a joint effort by the American Society of Nuclear Cardiology (ASNC) and the Cardiovascular Committee of the EANM.

Chairs
Brian Abbott (ASNC)
Marcus Hacker (EANM)

Programme
09:00 - 09:25 Hein J. Verberne (EANM): How to Speak Cardiology: Risk Factors, Medications, the ECG, Stress Testing
09:25 - 09:50 Raymond Russell (ASNC): Clinical Indications for SPECT and PET MPI: The Appropriate Test for the Appropriate Patient
09:50 - 10:15 Sharmila Dorbala (ASNC): SPECT/CT and PET/CT hybrid imaging: How and when?
10:15 - 10:40 Gordon DePuey (ASNC): Patient-centered Imaging and Radiation Dose Reduction Strategies
10:40 - 11:05 Andrei Todica (EANM): Case Review: A Systematic Approach to Interpreting and Reporting MPI SPECT/(CT)
11:05 - 11:30 Roberto Sciagra (EANM): Case Review: A Systematic Approach to Interpreting and Reporting MPI PET/(CT)
11:30 – 11:55 Brian Abbott (ASNC): Effective Reporting for Patient Risk Stratification and Management
11.55 – 12.00 Closing remarks by the chairs