American Society of Nuclear Cardiology
Nuclear Cardiology and Cardiac CT for Fellows-in-Training
co-sponsored by Society of Cardiovascular Computed Tomography
April 1, 2016, Chicago, IL

PROGRAM DESCRIPTION

The training program will include a series of didactic and two interactive Read with the Experts sessions presented by leaders in the field of nuclear cardiology. Dr. Mouaz Al-Mallah, MD, FASNC will chair the program. Additional experts in nuclear cardiology imaging will serve as faculty for this session. Each presentation as well as the Read with the Experts will include audience response (ARS) questions to enhance learning and interaction.

COURSE OBJECTIVES:

- Recognize the proper application of the ACC/ASNC AUC across a variety of patients
- Review the differences, advantages, and disadvantages between transmission and emission image generation as it pertains to cardiac imaging.
- Recognize the benefits and risks of coronary CT angiography in stable ischemic heart disease, following functional stress testing, in the emergency department, and in the evaluation of anomalous coronary origins.
- Review applications of cardiac CT with respect to assessment of left ventricular function, valvular heart disease, and diseases of the pericardium.
- Recognize the utility of cardiac CT in the procedure planning of transcatheter aortic valve replacement (TAVR).
- Employ optimal methodology to acquire, process, interpret, and report nuclear cardiology studies
- Evaluate the benefits and risks of new protocols and imaging technologies and how to incorporate these into clinical practice
- Review and improve interpretation skills in standard and emerging technologies in nuclear cardiology
- Recognize how to utilize clinical practice guidelines to enhance performance, document compliance, and improve clinical management
- Analyze and update the basic physiological approach to stress testing and perfusion imaging
- Review the role of radionuclide myocardial perfusion imaging in the diagnosis and prognosis of coronary artery disease
- Evaluate the role of complementary myocardial imaging techniques
AGENDA

10:55am  Welcome  Mouaz Al-Mallah, MD
11:00am  Cardiac CT Image Acquisition  Andrew Choi, MD
11:25am  Clinical Applications of Coronary CT Angiography  Mouaz Al-Mallah, MD
11:50am  Non Coronary Cardiac CT  Dustin M. Thomas, MD
12:15pm  Break
12:30pm  SPECT Acquisition, Processing & Artifacts  April Mann, CNMT, RT(N), NCT
1:00pm  Stress Testing, Tracers and Protocols  Thomas A. Holly, MD
1:30pm  Risk Stratification & Prognosis  Rami Doukky, MD
2:00pm  Break
2:15pm  Appropriate Use Criteria  Rami Doukky, MD
2:45pm  Viability Imaging  Ron Blankstein, MD
3:15pm  Read with the Experts  Drs. Blankstein & Doukky
3:45pm  Break
4:00pm  Perfusion Cardiac PET  Mouaz Al-Mallah, MD
4:30pm  Patient Centered Imaging: How to Select the Best Test  Ron Blankstein, MD
5:00pm  Read with the Experts  Drs. Doukky & Al-Mallah
5:15pm  Post Test Prize Drawings  Mouaz Al-Mallah, MD
5:30pm  Adjournment

FACULTY

Mouaz Al-Mallah, MD, FASNC (Director)
King Saud bin AbdulAziz Univ for Health Sciences
King AbdulAziz Cardiac Center
Ministry of National Guard, Health Affairs
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Rami Doukky, MD, FASNC (Co-director)
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Dustin M. Thomas, MD (Co-Director)
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