

Barcelona, Spain

CME 11

Physics + Cardiovascular Committee

Tuesday, October 15, 14:30-16:00

Session Title

Advances in Quantitative Cardiac Imaging

Chairpersons

Stephan G. Nekolla (Munich, Germany)

Marcus Hacker (Vienna, Austria)

Programme

- 14:30 - 14:55 Mikko Hakulinen (Kuopio, Finland): Quantification in SPECT - Current State and Perspectives
- 15:00 - 15:25 Ian Armstrong (Manchester, United Kingdom): Quantification in PET - Current State and Perspectives
- 15:30 - 15:55 Marc Dewey (Berlin, Germany): Quantification in CT - Current State and Perspectives

Educational Objectives

1. Understand the current state of the art of cardiac SPECT, PET, and CT imaging and the respective workflows for quantitative imaging
2. Understand the future perspectives of cardiac SPECT, PET, and CT imaging and the potential workflows for quantitative imaging
3. Gain knowledge about the current status and potential trends in hybrid cardiac imaging encompassing SPECT, PET, and CT

Summary

Imaging of the heart and cardiovascular structures is a corner stone of non-invasive imaging for many decades. Reliable quantification with nuclear imaging methods is one of its hallmarks and set the standard, which all modalities try to achieve. This interdisciplinary CME session will give an overview of the state of the art of quantitative methods in cardiac imaging. As this field is characterized by many novel approaches and permanent improvements, this session will also provide the information about future directions of this powerful armamentarium.

Key Words

Quantification, cardiac imaging, hybrid imaging, cardiovascular disease