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 cornerstone 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