



Special Track Session 11
Cardiovascular Committee
Tuesday, October 22, 15:00 - 16:30

Session Title

Debate: Cardiovascular imaging: quantification is the way to go, yes, or no?

Moderators

Carmela Nappi (Naples, Italy)

John Dickson (London, UK)

Federico Caobelli (Bern, Switzerland): Point of View: Why we should use quantification in cardiovascular imaging.

Stephan Nekolla (Munich, Germany): Point of View: Quantification in cardiovascular nuclear medicine imaging. No!

Educational Objectives

1. To demonstrate the value of quantification in cardiovascular imaging.
2. To provide future perspectives in the light of next generation gamma cameras and state-of-the-art PET design.
3. To explore challenges and opportunities of available and upcoming tracers.

Summary

Interpretation of Nuclear medicine imaging is often through visually interpretation. Nuclear cardiology has been at the forefront of quantification in nuclear medicine, through scoring of segments in myocardial perfusion studies, and calculation of metrics such as ejection fractions, stroke volumes and transient ischemic dilation. However, with more cardiovascular imaging utilizing PET, and with technological and software advancements supporting myocardial blood flow metrics and SUV in both PET and SPECT the availability of quantification in cardiovascular imaging is growing. In this debate session, the value or not of these new quantitative metrics will be discussed, both from a nuclear medicine perspective, but also with a view on the role competing and complementary technologies may bring to the patient.

Key Words

Cardiovascular; Quantification; Myocardial Blood Flow; SUV