



CME Session 3

Cardiovascular Committee

Sunday, October 20, 15:00 - 16:30

Session Title

Myocardial Perfusion Imaging with PET: Go with the flow

Chairpersons

Wanda Acampa (Naples, Italy)

Antti Saraste (Turku, Finland)

Programme

- 15:00 - 15:25 **Tim van den Hoef** (Utrecht, Netherlands): Physiology of myocardial blood flow made simple
- 15:25 - 15:45 **Mark Lubberink** (Uppsala, Sweden): Quantification of myocardial blood flow: basics for the dummies
- 15:45 - 16:05 **Laetitia Imbert** (Nancy, France): Quantification of myocardial blood flow with SPECT: strong enough?
- 16:05 - 16:30 **Wanda Acampa** (Naples, Italy): Quantification of myocardial blood flow with PET: can we afford it?

Educational Objectives

1. To learn basic concepts of myocardial blood flow regulation
2. To learn basic methods to measure myocardial blood flow quantitatively
3. To learn the value of quantification of myocardial blood flow using SPECT and PET in cardiovascular diseases

Summary

Quantification of myocardial blood flow and myocardial flow reserve provides incremental diagnostic and prognostic information over evaluation of regional uptake of blood flow tracers. This session aims at explaining basic concepts of regulation of myocardial blood flow and its measurement using blood flow tracers. Then, speakers review the value of quantification of myocardial blood flow by SPECT and PET in patients evaluated for cardiovascular disease.

Key Words

Myocardial blood flow; myocardial flow reserve; coronary artery disease; myocardial perfusion imaging; SPECT; PET