

Barcelona, Spain

Pre-Congress Symposium 2

Cardiovascular Committee / European Association of Cardiovascular Imaging (EACVI)

Saturday, October 12, 09:00-12:00

Session Title

Quantification of Myocardial Blood Flow - Ready for Daily Practice?

Chairpersons

Gianluca Pontone (Milan, Italy / EACVI)

Hein Verberne (Amsterdam, Netherlands)

Programme

09:00 - 09:20 Tim van de Hoef (Amsterdam, Netherlands / EACVI): Pathophysiology of Coronary and Myocardial Flow Reserve

09:25 - 09:45 Mark Lubberink (Uppsala, Sweden): How to Quantify MBF?

09:50 - 10:10 Alain Manrique (Caen, France): MBF Quantification Based on SPECT

10:15 - 10:45 Coffee Break

10:45 - 11:05 Antti Saraste (Turku, Finland): MBF Quantification Based on PET

11:10 - 11:30 Gianluca Pontone (Milan, Italy / EACVI): MBF Quantification Based on CT

11:35 - 11:55 Antti Saraste (Turku, Finland): How to Implement MBF in Clinical Practice?

11:55 - 12:00 Discussion

Educational Objectives

1. To understand the pathophysiology of MBF in the heart
2. To learn the basics of the methodology for MBF quantification
3. To review the possibilities for MBF quantification using different imaging approaches
4. To understand how to implement MBF quantification in the interpretation of perfusion studies

Summary

MBF can be evaluated with SPECT, PET and CT imaging approaches. This session will review why and how MBF is quantified, discuss the advantages and limitations of each imaging approach and review the incremental value of flow quantification in the detection and stratification of patients with suspected or established coronary artery disease.

Key Words

Myocardial blood flow; Quantification; PET; SPECT; CT