Recent developments in processing and interpreting gated perfusion and gated blood pool SPECT studies

P. De Bondt, Aalst (BE)

This session will be a very practical session with different clinical cases, critical review and live case processing.

Image Acquisition
Post-acquisition cine review as a critical quality control for detecting artefacts
Review the process of filtering, reconstruction and reorientation
Recognise gating artefacts
Recognise motion artefacts, patient upward creep, breast attenuation
How to acquire gated blood pool SPECT

Added value of new software calculations from gated perfusion SPECT
Direct comparison of 2 stress or 2 rest studies in the follow-up of a patient: quantification of “worsening” or “improvement”
Comparison of rest perfusion SPECT with FDG viability PET: is this possible?
Phase calculations from gated perfusion SPECT: comparison with phase calculations from gated blood pool SPECT