

Letter to editor

Routine Whole Volume Single Photon Emission Tomography Reconstruction in Comparison to Cine Raw Data in the Detection of Extracardiac Uptake

To the Editor

The recent publication on the role of routine whole volume single-photon emission computed tomography (SPECT)

reconstruction in comparison to cine raw data in the detection of extracardiac uptake on myocardial perfusion scans is very interesting.^[1] Maharaj and Korowlay concluded that “rSPECT is more sensitive than cine raw data in detecting extracardiac uptake, it also shows that there is no benefit in routine whole volume rSPECT in daily clinical practice”.^[1] There are some points to be discussed. First, this work is totally based on the two observers with different experiences. The diagnostic finding might be different in other settings with different practitioners. Second, although the use of rSPECT is more sensitive it should be considered for cost-effectiveness. There is no previous report on this specific issue. Finally, the quality of the image is another thing to be discussed. In their study Gremillet *et al.* suggested Fourier temporal interpolation for help improve image quality before reconstruction.^[2] These topics are interesting for future study.

Viroj Wiwanitkit

Wiwanitkit House, Bangkhae, Bangkok 10160, Thailand

References

1. Maharaj M, Korowlay NA. The role of routine whole volume SPECT reconstruction in comparison to cine raw data in the detection of extracardiac uptake on myocardial perfusion scans. *World J Nucl Med* 2011;10:9-13.
2. Gremillet E, Champaviller A, Soler C. Fourier temporal interpolation improves electrocardiograph-gated myocardial perfusion SPECT. *J Nucl Med* 2005;46:1769-74.

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Address for correspondence:

Prof. Viroj Wiwanitkit, Wiwanitkit House, Bangkhae, Bangkok 10160, Thailand. E-mail: wviroj@yahoo.com

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