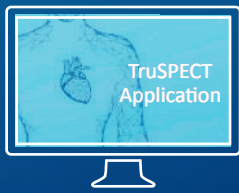# Deep Learning Attenuation Correction

TruCorr

TruSPECT
Application

TruCorr

For high quality SPECT, attenuation correction is essential. Spectrum Dynamics has developed a new methodology for attenuation correction for its D-SPECT® Series camera. TruCorr uses Deep Learning to generate attenuation corrected myocardial perfusion images. This new capability for the D-SPECT means improved image quality, seamless integration with existing workflow.

A patient-centered innovation

With TruCorr, no additional scanning session is required, reducing imaging time and allowing the patient to avoid an additional radiation dose. Attenuation correction is based on the patient's SPECT myocardial perfusion emission data. In visual and quantitative analysis, TruCorr images correlated with CT attenuation correct images positively.

The TruCorr workflow that generates attenuation corrected images can be utilized whether the patient is in a supine or upright position. It is integrated in the TruSPECT Workstation for easy access. Images can be reviewed at any time using the physician's preferred cardiac analysis software.

CZT-based D-SPECT images corrected with TruCorr are set to enhance the value of SPECT in myocardial perfusion imaging conveniently and efficiently for patients and clinicians.

Non-Corrected

CTAC Corrected

TruCorr Corrected

Non-Corrected   CTAC Corrected   TruCorr Corrected

www.spectrum-dynamics.com

Male; 123.4 kg, 36.8 BMI, 4.7 mCi Rest, Tc99m Sestamibi