



AI Attenuation Correction

# TruCorr

A patient centered innovation for D-SPECT myocardial perfusion imaging



## Introducing TruCorr, a breakthrough in SPECT myocardial perfusion imaging

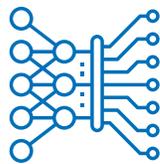
*Addressing the challenges created by attenuation artifacts*

Spectrum Dynamics has developed a new methodology for attenuation correction for its D-SPECT digital cardiac camera. TruCorr is a revolutionary approach that uses Deep Learning to generate attenuation corrected myocardial perfusion images.

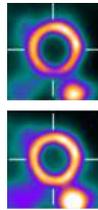
SPECT Emission Data



AI Algorithm



Reconstruction



Non-Corrected

Deep Learning Attenuation Correction

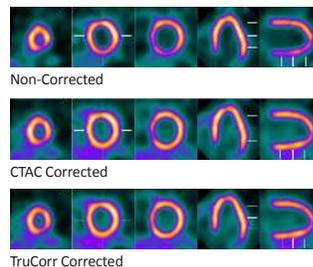
TruCorr: Deep Learning Attenuation Correction

**This new capability means:**

- **Improved image quality:** A confident interpretation with every scan
- **Reduced appointment and imaging times:** Eliminate the need to scan the patient in two positions; potential for stress-only scanning
- **Reduced radiation:** Avoid additional radiation dose incurred with a CT-transmission scan
- **Seamless acquisition-to-reconstruction workflow:** Integrated in TruSPECT Workstation for D-SPECT

### A patient-centered innovation

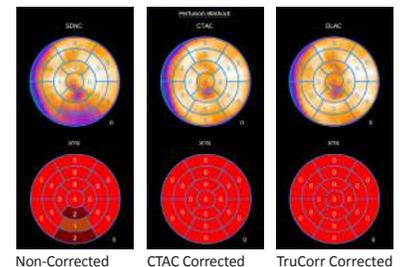
TruCorr is based on the patient's SPECT myocardial perfusion emission data. The CZT-based D-SPECT images corrected with TruCorr enhance the value of SPECT in myocardial perfusion imaging conveniently and efficiently for patients and clinicians.



Non-Corrected

CTAC Corrected

TruCorr Corrected



Non-Corrected

CTAC Corrected

TruCorr Corrected