

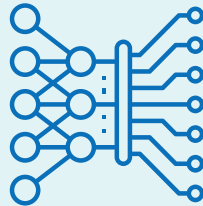
TruSPECT: Our GPU-powered Workstation Does the Work for You

TruSPECT Workstation makes TruCorr attenuation correction workflow integrated and as easy as 1 – 2 – 3.

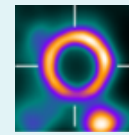
Acquisition
SPECT Emission Data



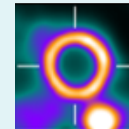
TruCorr
AI Algorithm



Processing
Reconstruction



Non-Corrected



Deep Learning
Attenuation
Correction

TruCorr for D-SPECT Series Digital Cardiac SPECT



Seamless Workflow

From Acquisition-to-Reconstruction
Attenuation Corrected Myocardial Perfusion Images

TruCorr for Spectrum Dynamics' D-SPECT® digital cardiac cameras is revolutionary in its ability to generate attenuation corrected myocardial perfusion images without requiring additional scanning sessions for the patient. The TruCorr application is based on Deep Learning or Artificial Intelligence trained to correct patient's emission SPECT data.

Enhance the value of SPECT in myocardial perfusion imaging with a more convenient and efficient attenuation correction process.

- Avoid additional dose from a CT transmission scan
- Eliminate additional scanning for a more efficient workflow
- Enable accurate qualitative and quantitative image analysis



3 Simple Steps to Improved Image Quality



SPECTRUM
DYNAMICS MEDICAL

Step 1: Select the patient folder.

Step 2: Select the dataset for attenuation correction.

Step 3: Click the TruCorr button.

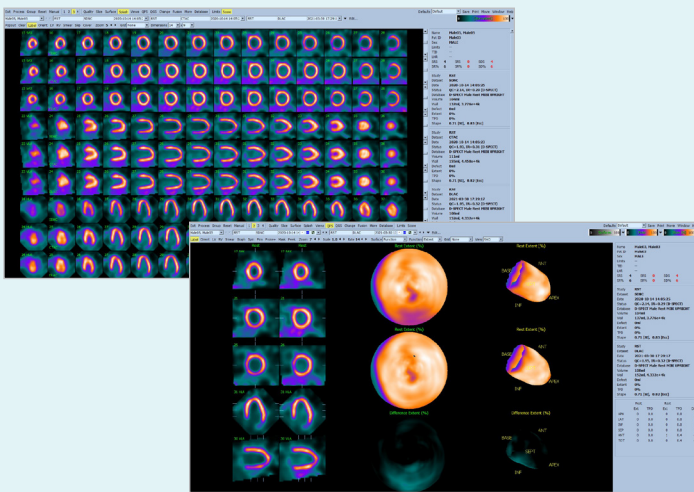
Reconstruction starts immediately. In this integrated workflow, the TruSPECT Workstation does all the work, generating deep learning attenuation corrected (DLAC) datasets for you to review in any image viewing program.

The screenshot shows the Spectrum Dynamics Medical Processing Station interface. The 'Patient Studies' table is highlighted with a blue box and a '1' in a circle, indicating the selection of a patient folder. The 'Scan Files' table is also highlighted with a blue box and a '2' in a circle, indicating the selection of a dataset for attenuation correction. The 'TruCorr' button in the 'File Operations' sidebar is highlighted with a blue box and a '3' in a circle, indicating the click of the TruCorr button. A small dialog box titled 'DLAC - Process...' is visible in the center of the screen, showing a progress bar.

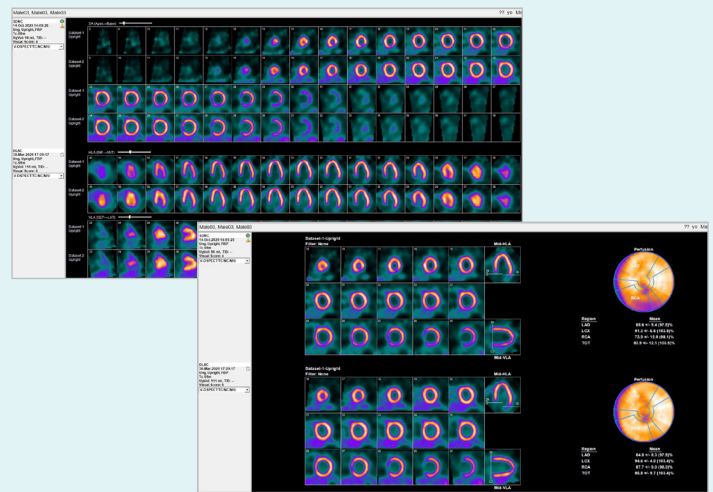
Patient ID	Last Name	First Name	Last Study	Score
26-Apr-2022	MPI	Tc99m- Two Day Stress first	26-Apr-2022	32.9
26-Apr-2022	09:24:43	04/26/2022	Upright	
26-Apr-2022	09:30:11	04/26/2022	Supine	
27-Apr-2022	13:12:21	04/27/2022	Upright	

File Name	Date	Time
STR1_U_MB_CINE	26-Apr-2022	09:34:03
STR1_U_MB_S01_SA	26-Apr-2022	09:34:03
STR1_U_MB_S01_PO_SA	26-Apr-2022	09:34:34
STR2_S_MB_CINE	26-Apr-2022	09:37:28
STR2_S_MB_S01_SA	26-Apr-2022	09:37:29
STR2_S_MB_S01_PO_SA	26-Apr-2022	09:38:00
RST3_U_CINE	27-Apr-2022	13:21:36
RST3_U_SA	27-Apr-2022	13:21:36
RST3_U_PO_SA	27-Apr-2022	13:22:07

Cedars-Sinai Cardiac Suite Image Review



4DM INVIA Image Review



D-SPECT Scanner Requirements

- TruCorr Purchasable Option
- D-SPECT v3.5; Windows 10
- TruSPECT Workstation

www.spectrum-dynamics.com