MYOCARDIAL PERFUSION SPECT PROCESSING Tc99m UPDATED: JUNE 2020

CPT CODE: N/A

Recon / Reformat Processing

Select the **Patient** and click on **Myovation Evolution** processing icon.

Rest Gated/Ungated	Butterworth 0.4	Power 10
Low Dose Stress Gated/Ungated	Butterworth 0.4	Power 10
High Dose Stress Gated/Ungated	Butterworth 0.52	Power 5

**These settings are for display purposes only for setting the limits on the slices, these are pre-filter, and do not alter the OSEM processing.

Perform Motion Correction on rest and stress images, if needed Perform Attenuation Correction on rest and stress images, if needed Perform Gated QC on rest and stress images. Make sure to click on Beat Acceptance and Counts Per Frame for both rest and stress Align the slices using the limits so both rest and stress are aligned Click on the Review tab, double check the slice alignment after processing File, Save, and Exit

QGS/QPS Processing and Screen Captures

Select all patient files, click on the QGS/QPS icon, the Myometrix screen should populate automatically.

For HWKY on rest and stress, select the IRNC/IRAC 2CT layout, should be 4 lines of data

For HWKY on stress only, select the IRNC/IRAC layout, should be 3 lines of data

For SPECT only (no HWKY), select the IRNC ONLY layout, should be 2 lines of data

Normalize and check for slice alignment

Screen capture (DatabaseStudy1024Color) this file

Click Back

Click on Quantitative Gated SPECT

Use the arrows to select the Stress IRACRR file

Screen capture (DatabaseStudy1024Color) this file

Screen capture (DynamicSCVPColor) this file

Click on Quantitative Perfusion Analysis

Check the contours

Click on the Surface tab, scroll down so all the polar plots are in view

Screen capture (DatabaseStudy1024Color) this file

File, Save, and Exit

PACS

Infinia: Send all files to NM_CARDIAC.

Optima: Send all files except these listed to NM_CARDIAC.

• CT RGATE HWKY FF Helical Dose Report and CT RGATE HWKY Helical Dose Secondary Captive

• CT SGATE HWKY FF Helical Dose Report and CT SGATE HWKY Helical Dose Secondary Captive

PACS Note

NM_CARDIAC sends to ALIAchive and the XELMD workstation.

If you end up reprocessing clean out the bad files before sending all files.

SCREEN CAPTURES:

IRAC 2CT

Patient Name: ***** Study Name: ONE DAY HWK FF Patient Id: ***** Date & Time: 8/22/2012 Manufacturer Model: MIXED	
Patient Id: ***** Date & Time: 8/22/2012 Manufacture: MAdel: MIXED	
Manufacturer Model: MIXED	
supine	
INF STRESS_IRACRR(G)	Att Map Adjusted
SUPINE ANT	
SEP 🕘 LAT 📵 🔕 🙆 🙆 🙆 🙆 🙆 🌖 🕘 🕘	
INF STRESS_INICRR(G)	
REST LEACREG	Att Map Adjusted
<> Apical Short Axis Basal>	
STRESS_IRACRR(G) STRESS_IRACRR(G)	
STRESS_IRICCR4(G) STRESS_IRICCR4(G) SUPINE SUPINE	
REST_IRNCRR(G)	
REST_IRACRR(G)	

IRNCIRAC



IRNC ONLY







Reviewed By:

Scott B. Perlman, MD, MS Chief, Nuclear Medicine

John Vetter, PhD, DABR Medical Physicist Derek Fuerbringer, CNMT Manager, Nuclear Medicine University Hospital

Scott Knishka, RPh, BCNP Radiopharmacist Kandace Nowakowski Manager, Nuclear Medicine The American Center