

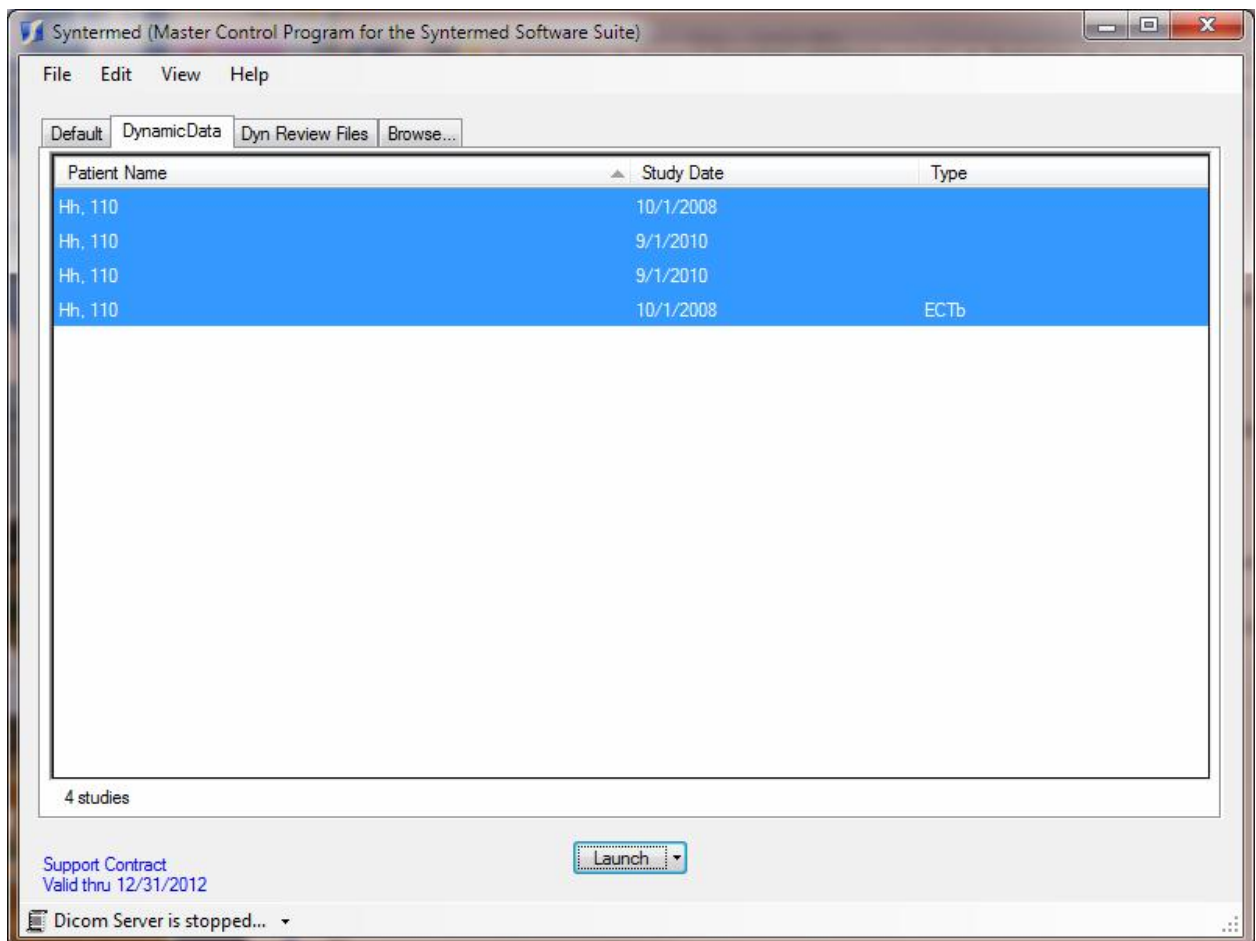
FlowTool User Manual

1. Data collection

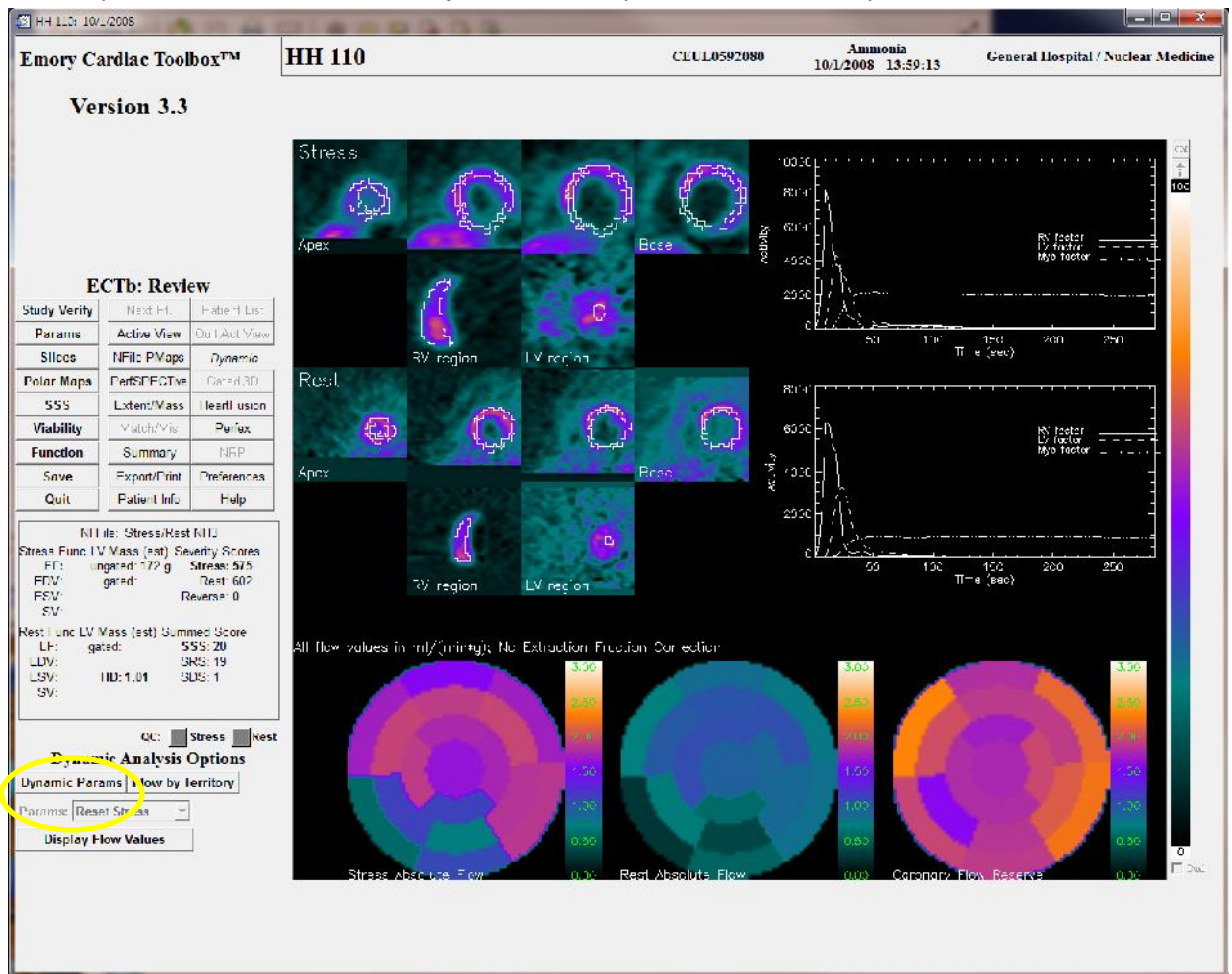
Frames	Duration
20	3 sec
5	12 sec
6	30 sec

Start acquisition at the **start** of tracer infusion.

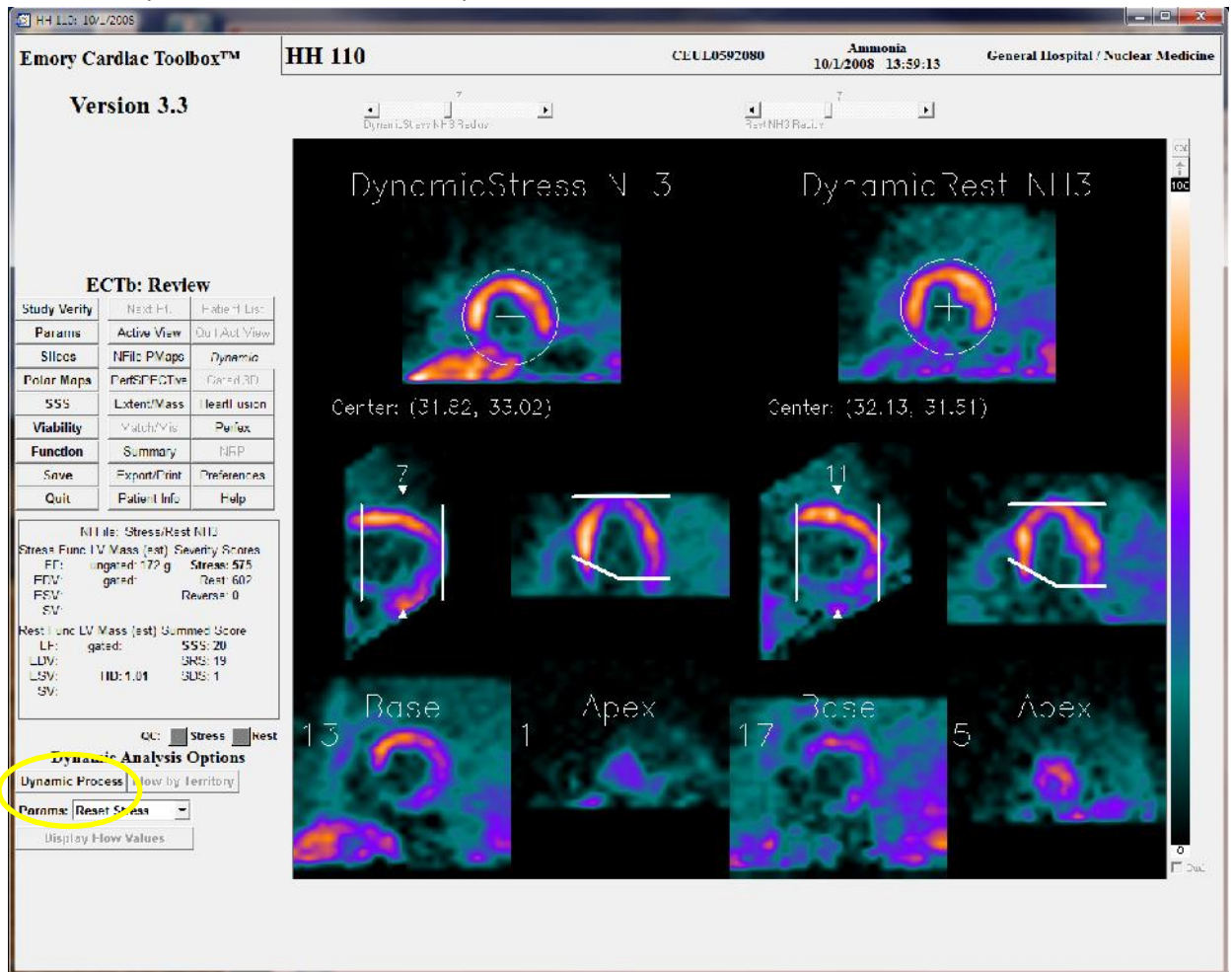
2. Reconstruct images and reformat into short axis orientation.
 - a. Apply all available corrections (normalization, randoms, scatter, prompt gamma (Siemens) or cascade gamma (GE), and attenuation)
 - b. Reconstruction filter: 7 mm Gaussian or equivalent. Final resolution of Rb phantom images should be approximately 14 mm.
3. Transfer rest and stress images to Syntermed live
4. Select "Dynamic Data" tab and then the rest and stress static and dynamic patient files and then launch



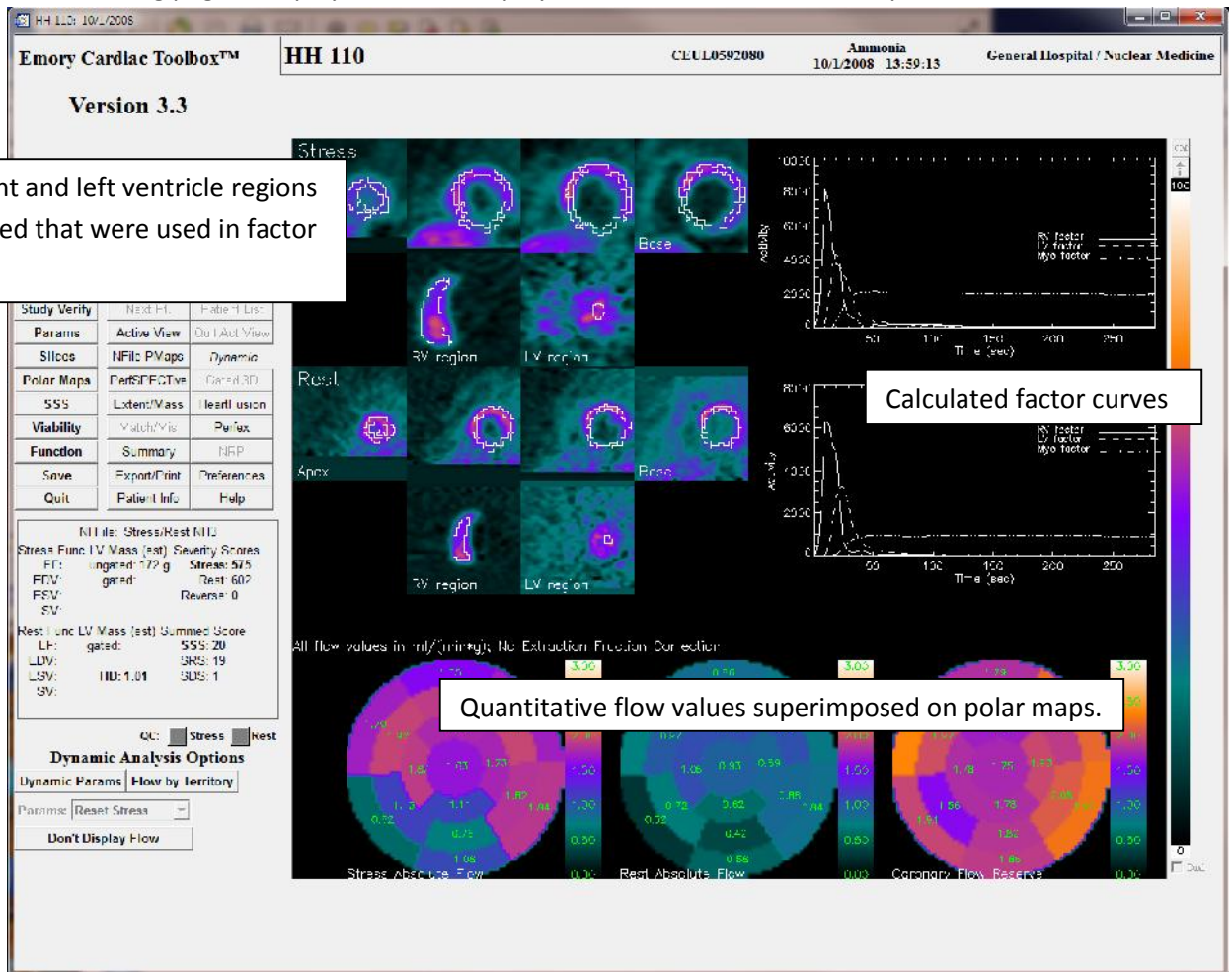
- Click "Dynamic Params" button and adjust base and apex slices if necessary.



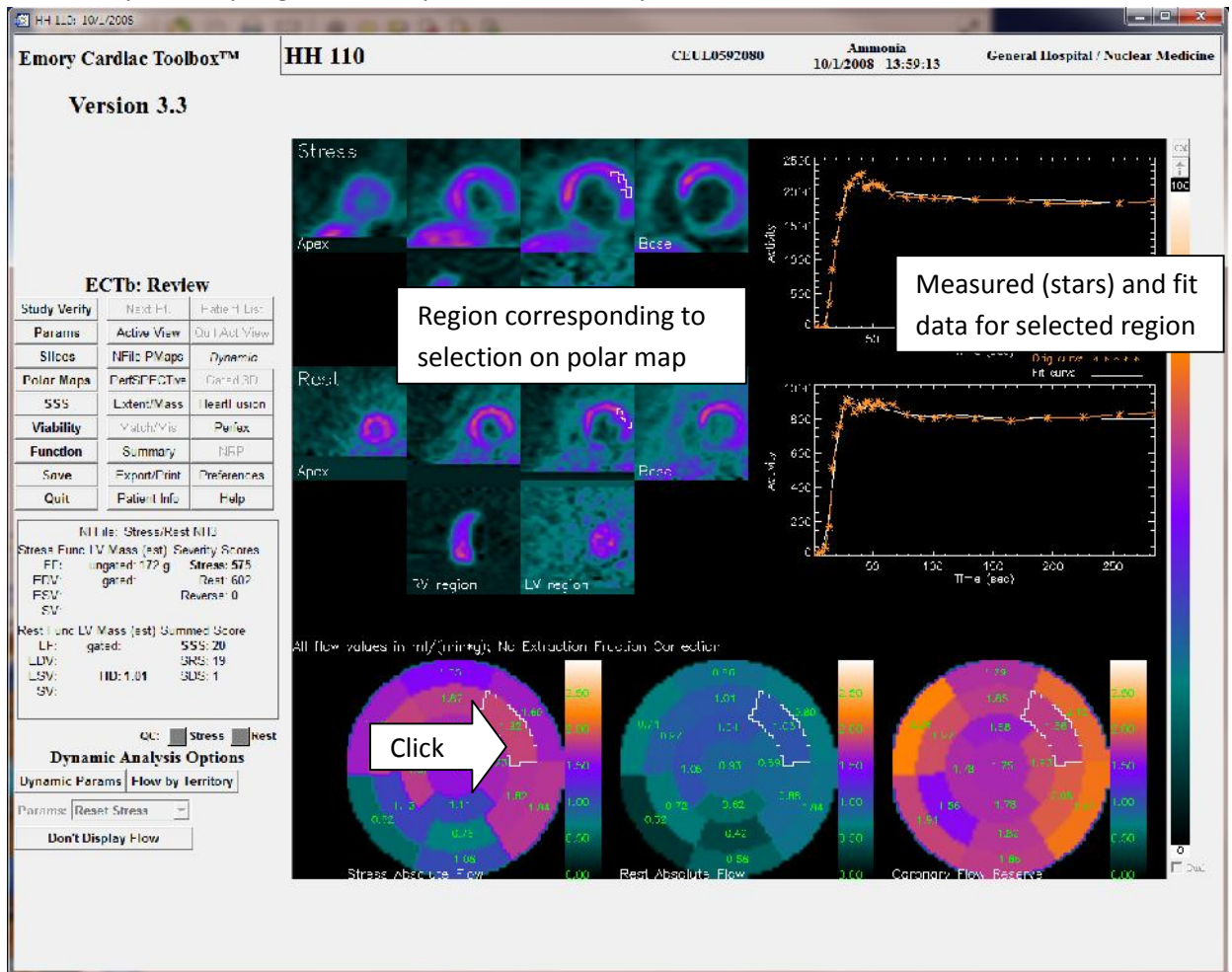
- Click the "Dynamic Process" button to perform the flow calculations.



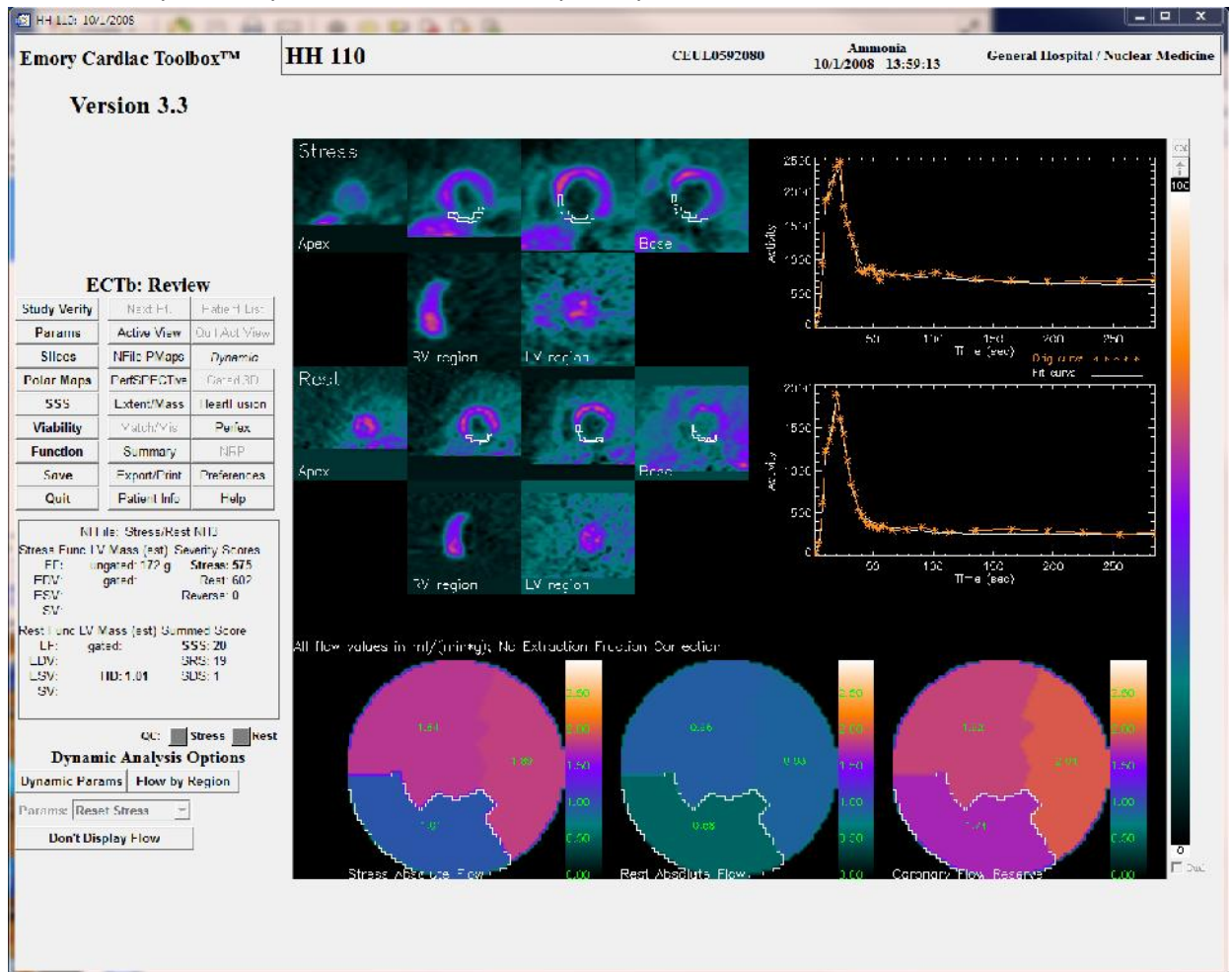
7. The following page is displayed. Click “Display Flow Values” button to see quantitative results.



- Click on a polar map region to see specific time activity curves.



9. Click “Flow by Territory” button to see coronary artery territories.



10. Default values are flow*extraction. To display flow values, change the value on the PET Preferences page:

HH 110
Version 3.3

Match Type: Mismatch based on % difference between perfusion and metabolism
Mismatch Type: Mismatch based on significant differences between perfusion and metabolism where perfusion is abnormal
% Difference Percentage for Mismatch: 10
% Max FDG Percentage for Mismatch: 25
Lac Extraction Fraction Correction: ☒ No ☐ Yes

ECTb: Review

Study Verify	Next H-L	Table List
Params	Active View	Default View
Slices	NFIC PVapo	Dynamic
Polar Maps	Perf/FDG/Vis	Card 3D
SSS	Extent/Mass	learn/usion
Viability	Match/Vis	Per/ax
Function	Summary	Per/ax
Save	Export/Print	Preferences
Quit	Patient Info	Help

NIH: Stress/Rest NIH

Stress Func: LV Mass (est) Severity Scores
FF: 42 % R0 ungated: 172 g Stress: 575
FTV: 156 ml gated: 167 g Rest: 602
FSV: 90 ml
SV: 66 ml
Rest I unc: LV Mass (est) Summed Score
LF: 49 % R0 gated: 164 g SSS: 20
LLV: 179 ml SRS: 19
LSV: 89 ml IU: 1.01 SUS: 1
SV: 86 ml

QC: ☒ Stress ☐ Rest

Preferences Options

General **Advanced** PET
User Defined Normal Files
Reset to Factory
Apply