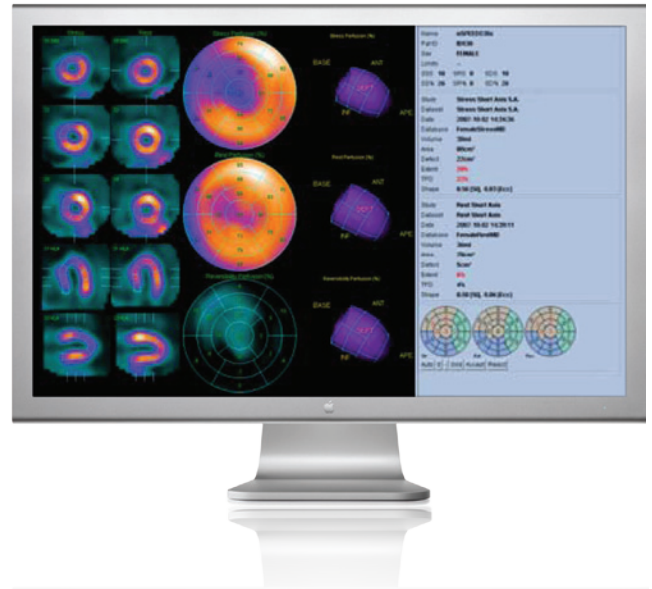


## Cedars-Sinai Cardiac Suite Interactive Cardiac SPECT Quantification



## Cedars-Sinai® Cardiac Suite

QUANTITATIVE GATED SPECT & QUANTITATIVE PERFUSION SPECT

Developed at Cedars-Sinai Medical Center in Los Angeles, California, Cedars-Sinai Cardiac Suite combines several interactive stand-alone applications for the automatic segmentation, quantification and analysis of nuclear cardiology studies.

Quantitative Gated SPECT (QGS) provides cardiac function quantitation using perfusion datasets: ED and ES volumes, ejection fraction. The image data can be viewed in a variety of modes, from selected slices in a 2D view to a rendered 3D surface of the myocardium with function maps (perfusion, motion, thickening and regional EF).

Quantitative Perfusion SPECT (QPS) is an interactive stand-alone application for the automatic segmentation, quantification, analysis and display of static (ungated) short axis myocardial perfusion SPECT images. QPS provides automatic computation of functional metrics including LV chamber volume and mid-myocardial surface area and generation of stress, rest and reversibility surfaces and Polar Maps. These Polar Maps are displayed in parametric fashion, the pattern of LV myocardial perfusion.

Cedars-Sinai Cardiac Suite uses cutting edge technology and provides accurate quantitative function and perfusion estimates through a user-centered environment.

DIGIRAD®

# Cedars-Sinai Cardiac Suite SPECT Quantification

## STANDARD APPLICATIONS

### Quantitative Gated SPECT (QGS)

Quantitative Gated SPECT (QGS) is an interactive stand-alone application for the automatic segmentation, quantification and analysis of static and gated short axis myocardial perfusion SPECT.

- Systolic Function (EF, volumes, mass)
- Regional Wall Thickening & Motion

### Quantitative Perfusion Spect (QPS)

Quantitative Perfusion SPECT (QPS) is an interactive stand-alone application for the automatic segmentation, quantification, analysis and display of static (ungated) short axis myocardial perfusion SPECT images.

- Myocardial Classification
- Semi-quantitative Scoring

### QGS/QPS Companion

QGS/QPS Companion is a collection of enhancements to QGS/QPS including:

- Diastolic Function Assessment (PRF,PER,TTPF)
- AHA automatic 17 segment scoring
- Eccentricity Calculation

## OPTIONAL FEATURES

### PlusPack

PlusPack is an optional, add-on feature to QGS and QPS which includes:

- Stress/Rest Registration and serial change
- Motion frozen
- QGS phase information
- Shape index
- Results saved and launched in PowerPoint

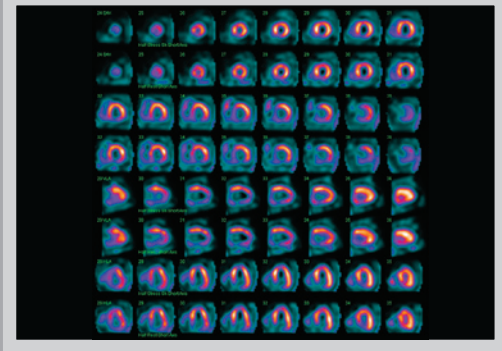
### Reporting (ARG)

The Cedars-Sinai reporting system is a complete reporting package for nuclear cardiologists. The reporting system is designed to quickly produce high quality, error-free reports that are compliant with standards set forth by ICANL and ASNC.

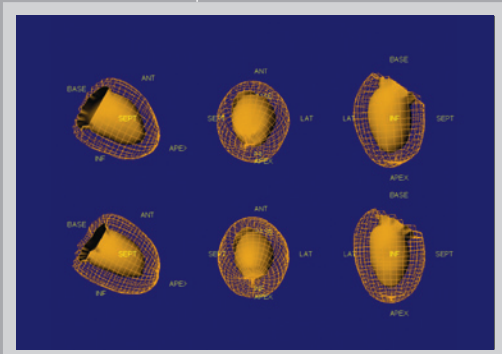
#### NEW FEATURES

Save results
In application printing
QGS/QPS Companion
QGS/QPS PlusPack
CSImport
Automated report generator

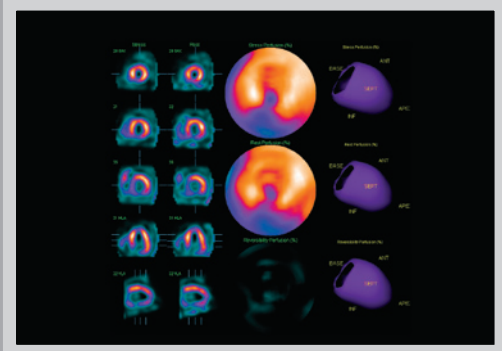
## QPS SPLASH



## QPS VIEW



## QPS RESULTS



## QPS SLICE

