# Intuitive Imaging Informatics
## Independent & Innovative

# AdvancedDiagnostics

### PET FUSION

Provides the ability to combine high-resolution, anatomic images produced by CT with functional images produced by PET in an integrated image.

» Completes I3's ability to provide visualization for all modalities on one workstation, avoiding the need to purchase a dedicated workstation only for PET Fusion analysis.

*PET Fusion Features:*
» User-selectable color maps
» Real time PET transparency manipulation
» Automated Multi-Planar Reconstruction (MPR) for orthogonal views
» Integrated Maximum Intensity Projection (MIP) for 3-D rotational displays.

### MAXIMUM INTENSITY PROJECTION (MIP)

» Allows production of high-resolution, 3-D reconstructions of phase-contrast MR images or similar relationally-oriented acquisitions.
» Provides the ability to segment out anatomic regions, then to sub-select segments and to provide reconstructions of only those segments.
» Ultra-fast algorithm allows physicians to create true sequences in real time.
» Included as part of the basic Rational Imaging application, allowing I3's already multi-modality workstations to handle even more flexibility.

### MULTI-PLANAR RECONSTRUCTION (MPR)

» Allows recreation of additional views of 3-D data sets of an image based off a selected number of slices from the original image.

### ANATOMIC TRIANGULATION

» Provides easy cross-reference points of interest across all available series.

**PET Fusion**

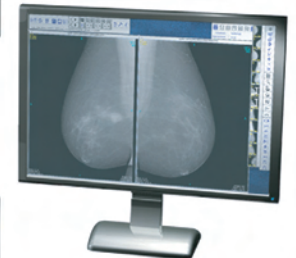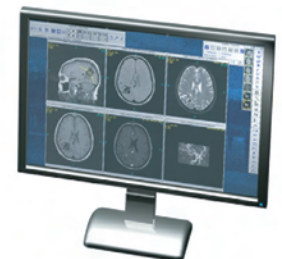**Maximum Intensity Projection(MIP)**

**Lumbar Spine Labeling**

**Mammogram (MG)**

**Multi-Planar Reconstruction (MPR)**

**Anatomic Triangulation**

**Comparison Exams**