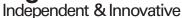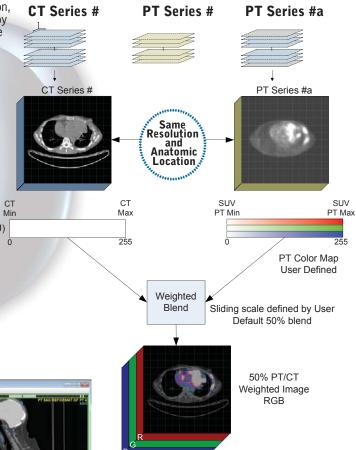# PET FUSION

PET/CT Fusion provides the ability to combine high-resolution, anatomic images produced by CT with functional images produced by PET in an integrated image. PET Fusion functionality on the ImageQube eliminates the need to purchase an expensive, dedicated workstation simply for this analysis, and permits comparison with prior modalities on the same PACS workstation.

When CT and PT exams are acquired simultaneously with matching accession numbers, the PET Fusion application preprocesses the exams, mapping the original PT study to new images with the same resolution and anatomic location as the CT series. Sagittal and Coronal views are also created from the axial images, so when the user launches the CT exam, these preprocessed PT images are also displayed.

A shortcut button launches PET/CT mode, and the images are immediately fused. Custom hanging protocols may be applied to optimize the view. Key images can be saved and print pages created. A second PET/CT prior exam can even be loaded for comparison.

A slide bar is available to easily change the blend of the weighted image. Users can access a control window to modify the fusion parameters for blend, SUV minimum and maximum, CT W/L minimum and maximum, color map type and parameters, and linear map parameters.