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Often combination of anatomical structures, revealed from CT (or MRI), and the functional information from PET into one image.

Both imaging modalities are fully integrated into one device

→ fixed and known transformation matrix

The inclusion of the CT images provides anatomical reference and helps in understanding the metabolic information present in the PET images.

The CT images can also be used to correct the PET images for scatter and attenuation effects, creating images that are quantitative for estimating uptake and metabolic rates in vivo.







































































