

Abstract Submitted  
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**Spatial Resolution of CT/PET Images**<sup>1</sup> DANIEL MITCHELL, University of Tennessee, DR. DAVID TOWNSEND COLLABORATION, DR. EOIN CARNEY COLLABORATION — There are many considerations to make when addressing issues in Computational Tomography/Positron Emission Tomography (CT/PET) image resolution. Through a combination of gating techniques, dosage adjustments, and dwell time optimization, the inherent “blur” of PET images can be reduced greatly. This correction must be more exact for patients carrying an excess amount of adipose tissue; and can be shown as a direct relation to increasing weight.

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