

Harmonization of imaging data from non-EPAD cohorts

Publishable Summary

This deliverable is a descriptive report on the harmonization of PET image effective resolution across PET scanners involved in AMYPAD study. Hoffman phantom PET scans were acquired on the 31 different PET scanners of the AMYPAD imaging network. Images were reconstructed using the same setting for clinical amyloid PET imaging in AMYPAD study. Effective image resolution (EIR) was estimated for each scanner using a digital reference object (DRO). Coarsest EIR across different scans was 8 mm Full Width at Half Maximum (FWHM). Therefore, a harmonization kernel was determined for each scanner to attain an 8 mm FWHM effective image resolution.

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