Online Supplemental Data

Investigating Simultaneity for Deep Learning-enhanced Actual Ultra-low-dose Amyloid PET/MRI Imaging

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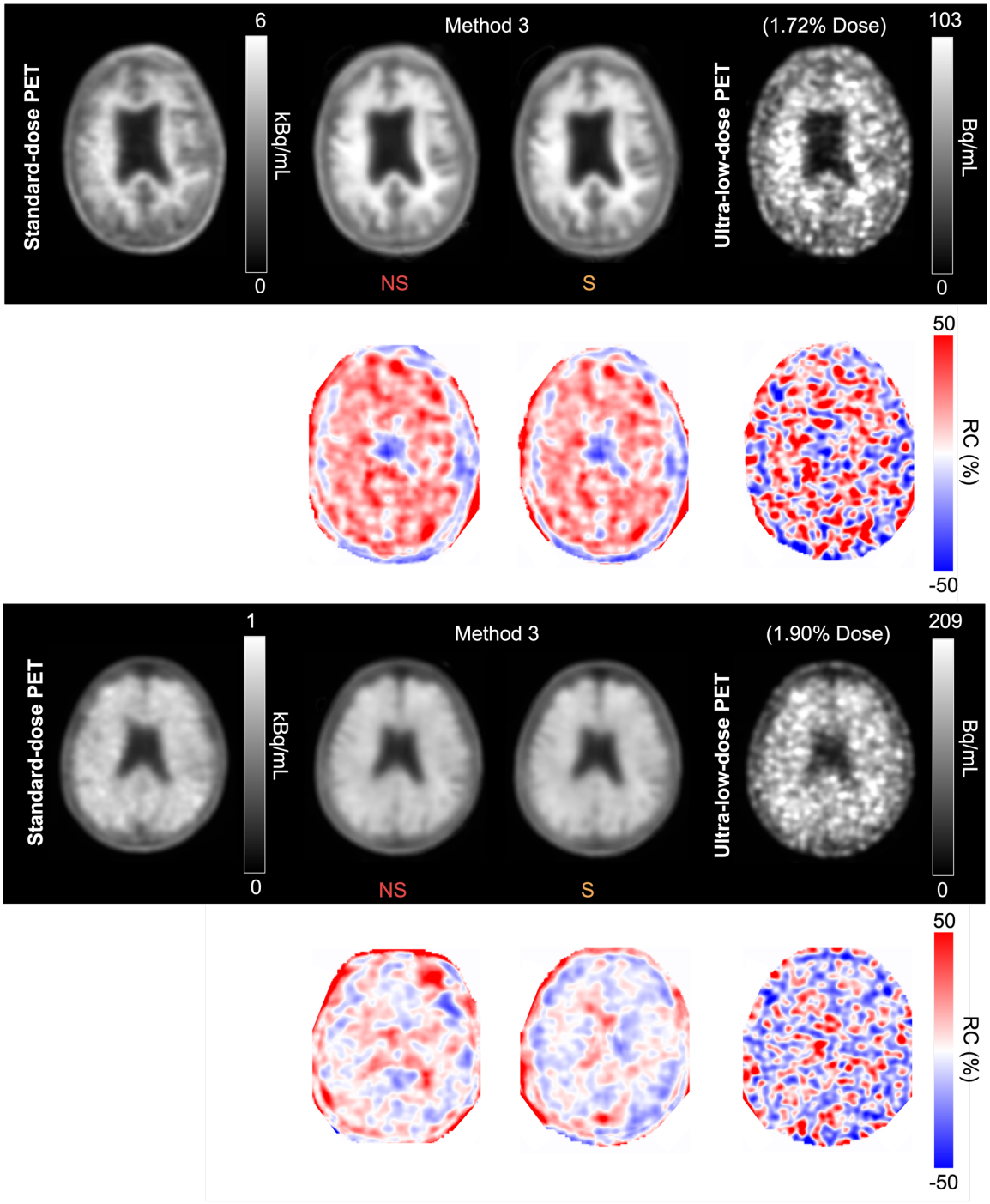

Supplementary Figure. Representative amyloid PET images (top: amyloid negative, bottom: amyloid positive) with their voxel-wise relative change (RC) maps, calculated using the standard-dose images as the reference. The enhanced images show a smaller RC range than the ultra-low-dose images.

Supplementary Table. Cerebral ROIs for derivation of the larger regions of interest. The larger regions were then used to calculate a composite "global" value of the association cortex.

Region	FreeSurfer region
Parietal	ctx-lh-precuneus ctx-rh-precuneus ctx-lh-inferiorparietal ctx-rh-inferiorparietal ctx-lh-superiorparietal ctx-rh-superiorparietal ctx-lh-supramarginal ctx-rh-supramarginal
Whole cerebellum	Right-Cerebellum-White-Matter Right-Cerebellum-Cortex Left-Cerebellum-White-Matter Left-Cerebellum-Cortex
Lateral temporal	ctx-lh-middletemporal ctx-rh-middletemporal ctx-lh-superiortemporal ctx-rh-superiortemporal
Frontal	ctx-lh-caudalmiddlefrontal ctx-rh-caudalmiddlefrontal ctx-lh-lateralorbitofrontal ctx-rh-lateralorbitofrontal ctx-lh-medialorbitofrontal ctx-rh-medialorbitofrontal ctx-lh-parsopercularis ctx-lh-parsorbitalis ctx-lh-parstriangularis ctx-rh-parsopercularis ctx-rh-parsorbitalis ctx-rh-parstriangularis ctx-lh-rostralmiddlefrontal ctx-rh-rostralmiddlefrontal ctx-lh-superiorfrontal ctx-rh-superiorfrontal ctx-lh-frontalpole ctx-rh-frontalpole
Cingulate	ctx-lh-isthmuscingulate ctx-lh-posteriorcingulate ctx-lh-rostralanteriorcingulate ctx-rh-isthmuscingulate ctx-rh-posteriorcingulate ctx-rh-rostralanteriorcingulate ctx-lh-caudalanteriorcingulate ctx-rh-caudalanteriorcingulate