#### **Supplemental figure legends**

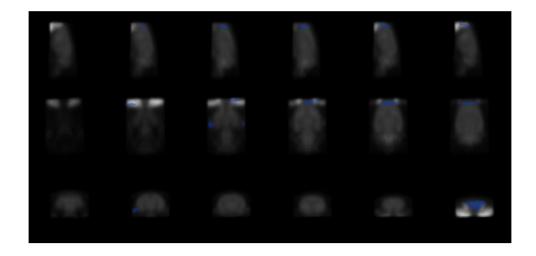
#### Supplemental figure 1.

Complete section of Figure 2. Brain regions showing decreased (blue) or increased (red) FDG brain uptake. *T*-map was overlaid on the rat brain template.

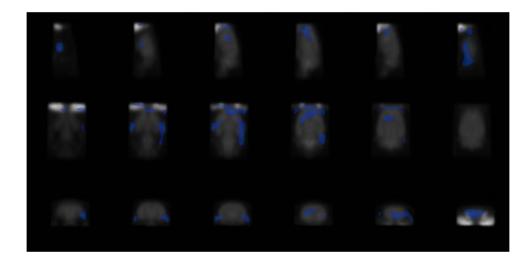
#### Supplemental figure 2.

The number of choline acetyltransferase (ChAT) immunostained nuclei in the hippocampal CA1 and CA3 regions of the experimental groups. Photographs showing the distribution of ChAT-immunoreactive cells in the hippocampus of the different groups: normal without any treatment (A), cyclophosphamide-treated (B), cyclophosphamide-treated and donepezil administered for intervention (C), doxorubicin-treated (D) and doxorubicin-treated and donepezil administered for intervention (E). Sections were cut coronally at 30 µm.

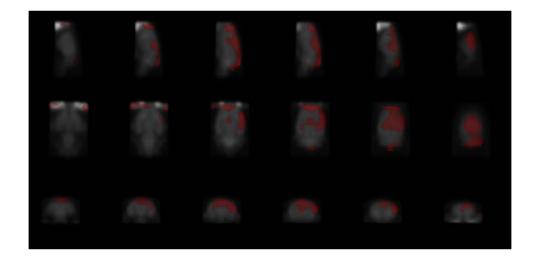
## Supplemental Fig 1a



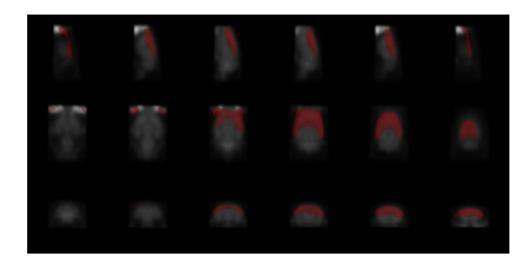
# Supplemental Fig 1b



## Supplemental Fig 1c



# Supplemental Fig 1d



## Supplemental Fig 2

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