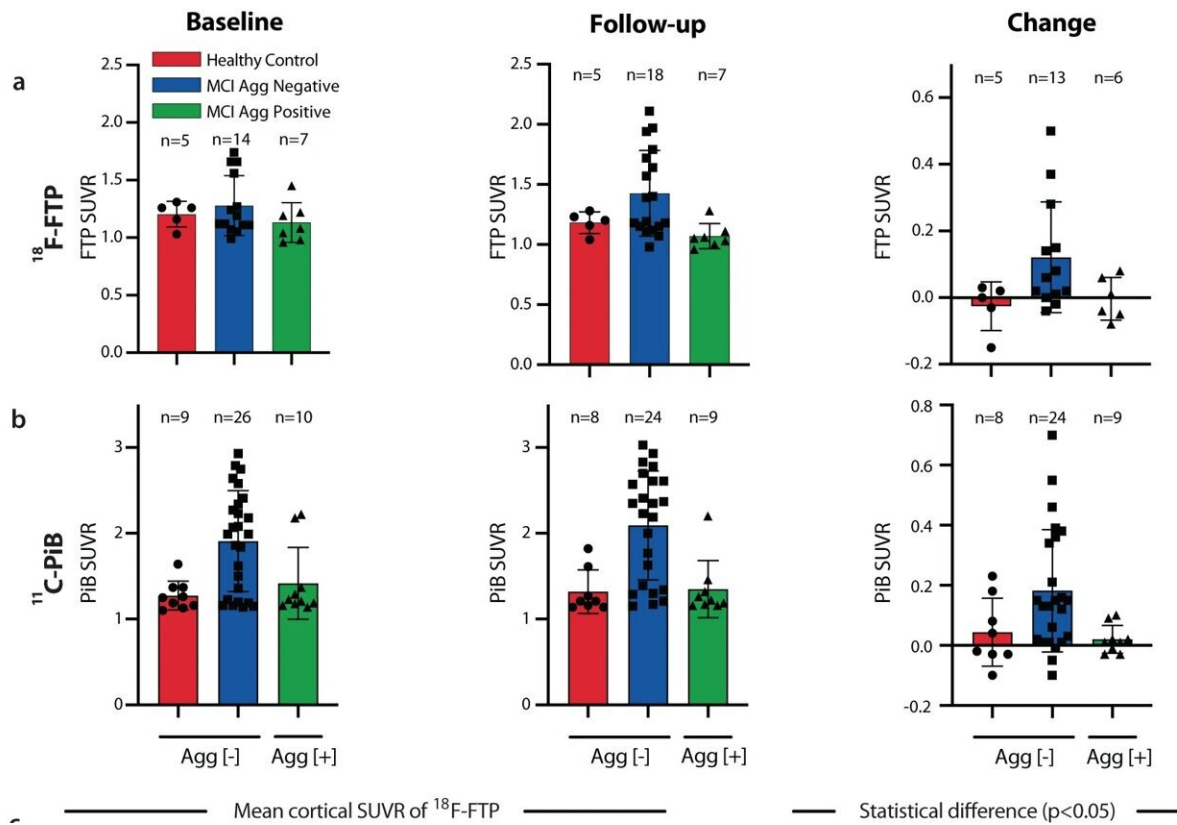


Study opens the door to earlier diagnosis and potential treatment for Alzheimer's disease

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Large A β Agg [+] MCI patients display lower AD-like brain pathology than large A β Agg [-] MCI. **a** ¹⁸F-FTP PET uptake in each group at baseline, two-year follow-up, and longitudinal change. The mean was calculated in a ROI comprising the entorhinal, amygdala, parahippocampal, fusiform, inferior temporal, and middle temporal cortical regions; mean \pm SD. **b** Mean ¹¹C-PiB PET uptake in each group at baseline, two-year follow-up, and longitudinal change. The mean uptake was calculated in a ROI comprising the prefrontal, orbitofrontal, anterior and posterior cingulate, precuneus, parietal, and temporal

cortical regions; mean \pm SD. **c** Mean cortical ^{18}F -FTP PET uptake in each group at two-year follow-up (left panel) and statistical results from a two-sided unpaired t -test between large A β Agg [+] MCI patients vs. controls and large A β Agg [-] MCI patients, respectively (right panel). **d** Mean cortical ^{11}C -PiB PET uptake in each group at two-year follow-up (left panel) and statistical results from a two-sided unpaired t -test between large A β Agg [+] MCI patients vs. controls and large A β Agg [-] MCI patients, respectively (right panel). Positive t -values (red) indicate significantly lower uptake in the large A β Agg [+] MCI group. Statistical cortical maps were familywise error rate corrected ($\alpha = 0.05$) using cluster-extent-based thresholding with a primary cluster-defining threshold of p

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