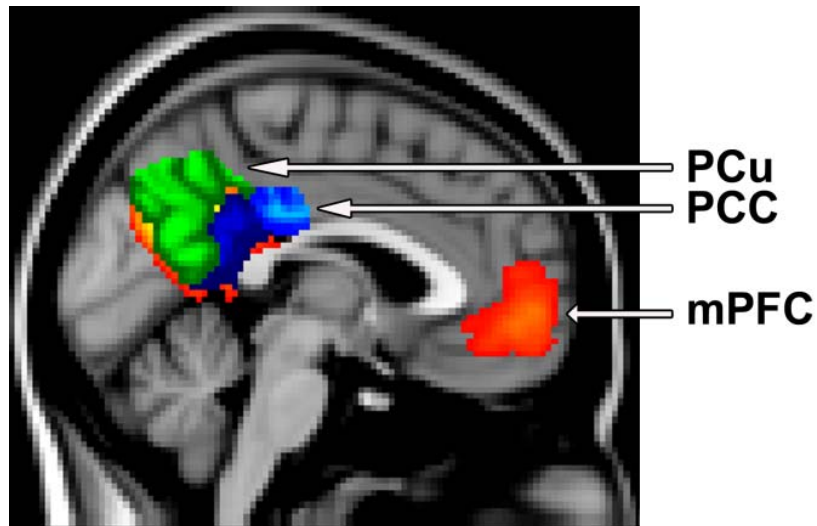


SUPPLEMENTARY DATA

Supplementary Figure S1. Anatomically defined regions of interest (ROIs) of posterior cingulate cortex (PCC) and precuneus (PCu) within the default mode network (DMN) mask ($P < 0.0001$).



SUPPLEMENTARY DATA

Supplementary Figure S2. Biophysical integrity of macromolecular protein pools, measured by magnetization transfer ratio (MTR), in the posterior cingulate cortex (PCC), a central hub region of the default mode network (DMN), within the DMN mask (at a reduced threshold $P < 0.05$) on 21 patients with type 2 diabetes mellitus (T2DM) and 27 matched healthy control subjects (HCs). **(a)** Mixed model analysis (with diagnostic group as the between-group factor and hemisphere as a within-subject factor) of MTR in the white matter (WM) portion of the PCC of the DMN ($F = 9.462$, $df = 1,46$, $P = 0.004$). **(b)** Mixed model analysis of MTR in the gray matter (GM) portion of the PCC of the DMN ($F = 3.789$, $df = 1,46$, $P = 0.058$). Individual data points are displayed with the big red points representing the group means.

