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Resting-state functional network connectivity differs between healthy aged individuals with and without reports of subjective cognitive change

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Introduction

- independent predictors of future cognitive decline and its severity.
- reports of subjective cognitive change.
- have been found in individuals with subjective cognitive change.
- (DAN), and ventral attention network (VAN).
- 12 memory items (mCCI) were classified as having SMC.

Participant Information

	Controls (N = 19)
Age (years)	73.5 (9.97)
Education (years)	15.3 (2.86)
Sex	8 M, 11 F
mCCI score	13.2 (1.1)
Mean relative motion during rsfMRI (mm)	0.193 (0.094)

Methods

3.31x3.31x3.31 mm

(FSL MELODIC v3.14) -motion correction (MCFLIRT) -highpass filtering (100 s) -discarded first ten volumes



(FSL-FIX v1.06) -motion regression -hand-edited signal/noise component classification





-two-sample t-test (age) -Wilcoxon rank sum test (mCCI and yrs. education) -two-sample t-tests, equal and unequal variance (rsFC) -Average rsFC across right and left hemispheres used to calculate between-network rsFC

average network rsFC across left and right hemispheres

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	Pearson's r
CCI	-0.3357*
CCI	-0.1768
CCI	-0.1454
CCI	-0.2611