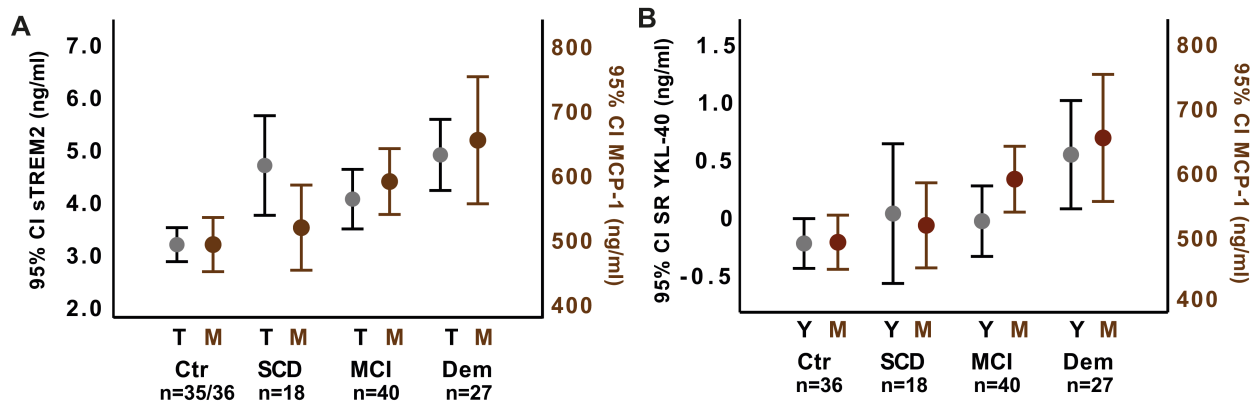


Supplementary figure 2: Between-group comparisons of microglial- and astroglial activation with inflammation based on clinical staging



Error bars comparing the microglial (A) and astroglial (B) activation with the pathologic inflammatory response for clinical groups. Early microglial activation without a significant inflammatory response is illustrated by increased sTREM2 (T, black) at the SCD stage, while MCP-1 (M, red) is increased at the MCI stage (A). The astroglial activation marker (YKL-40, Y), however, is only significantly increased at the AD dementia stage (B). The Y-axis with sTREM2 and MCP-1 is reported as CSF concentrations in ng/ml, while the Y-axis for YKL-40 are residuals standardized (SR) for age. Error bars are shown as mean and 95% confidence interval (CI). Abbreviation: Ctr: healthy controls (n=36), SCD: CSF A β 42+ subjects with subjective cognitive decline (n=19), MCI: CSF A β 42+ subjects with mild cognitive impairment (n=39), Dem: A β 42+ subjects with Alzheimer's disease dementia (n=27), T: sTREM2, M: MCP-1, Y: YKL-40.