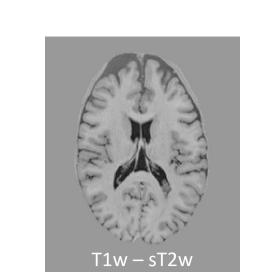
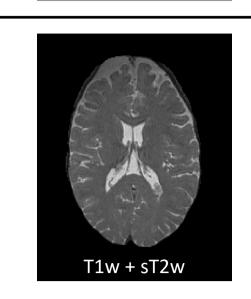
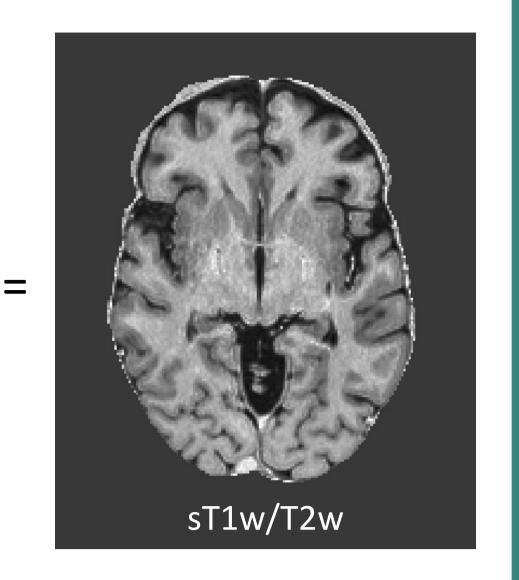
Tim J. Hartung, Graham Cooper, Valentin Jünger, Darko Komenic, Lara Ryan, Josephine Heine, Claudia Chien, Friedemann Paul, Carsten Finke

Method

- sT1w/T2w ratio is calculated from standard clinical MRI
- No additional scanning time
- Standardized values across scanners and patients



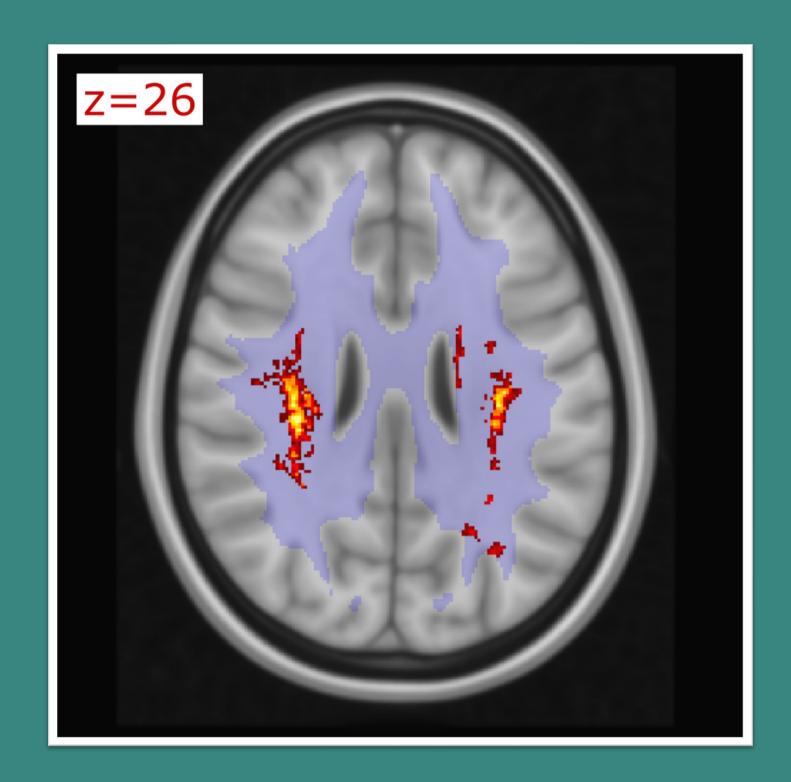


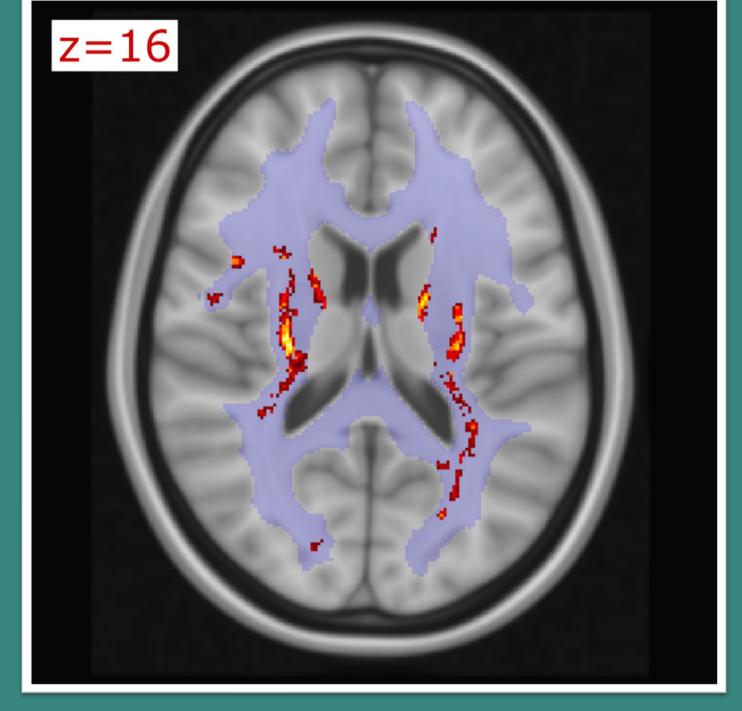


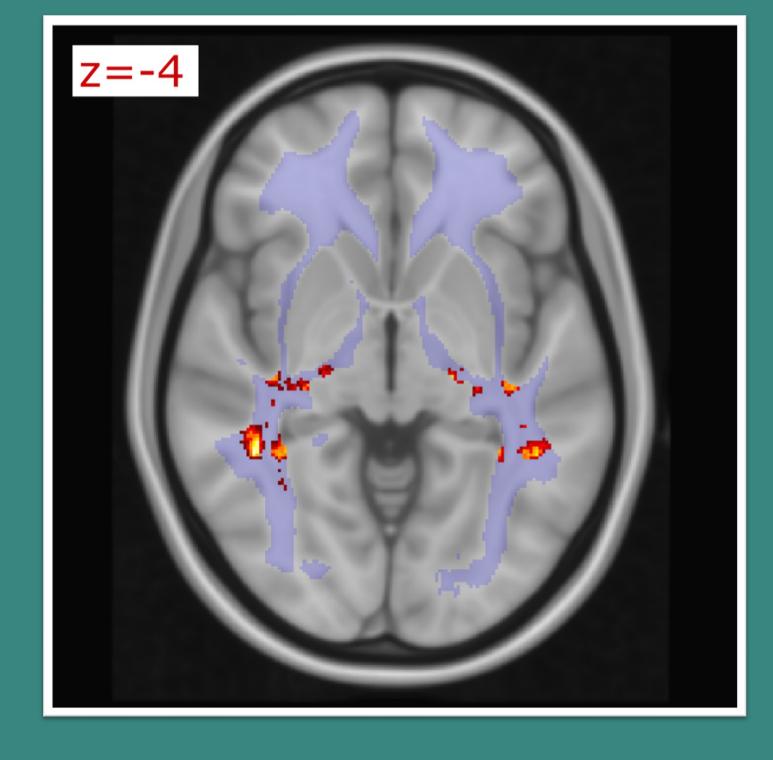
Participants

- N = 53 patients with NMDARE
- Mean disease duration: 3.3 years
- All patients had cognitive deficits
- N = 53 sex- and age-matched controls

The T1/T2 ratio is a biomarker of white matter damage in routine clinical MRI

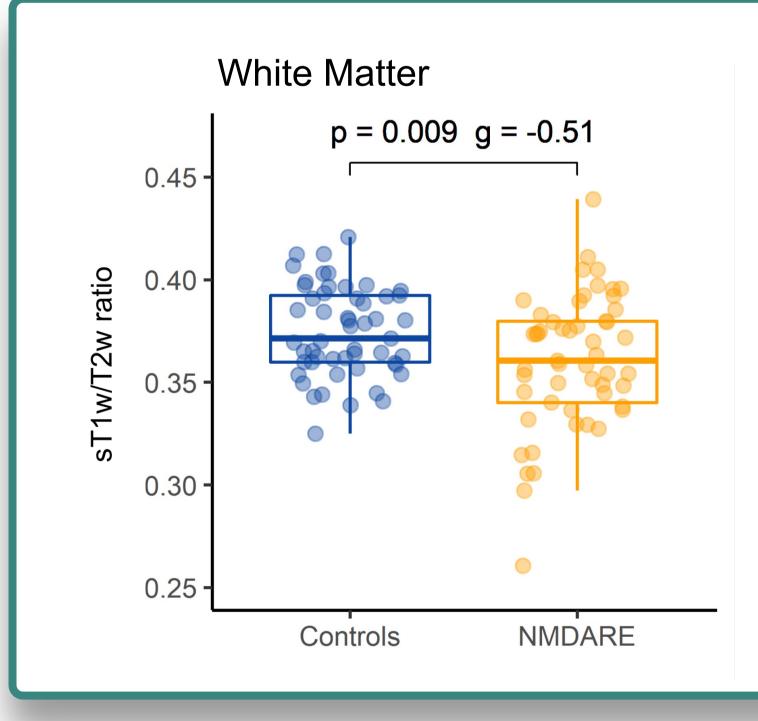


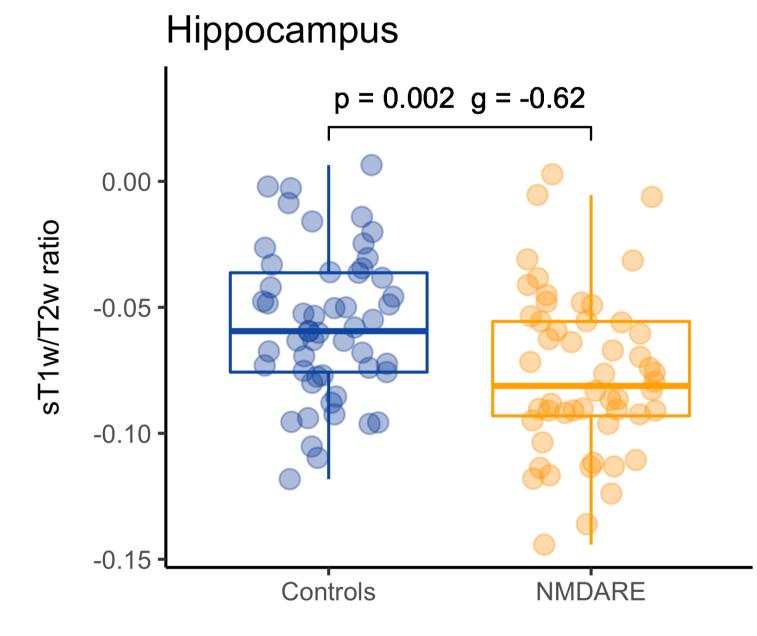


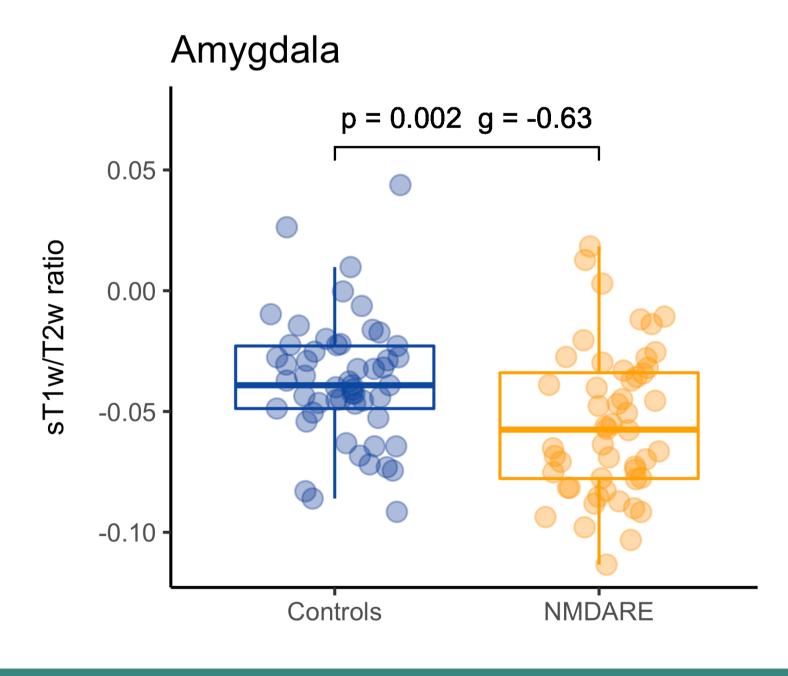


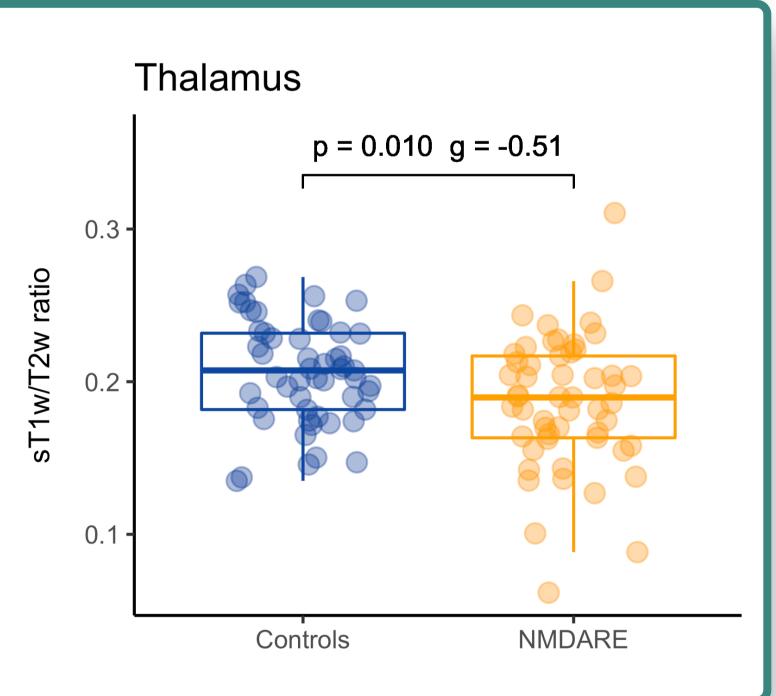


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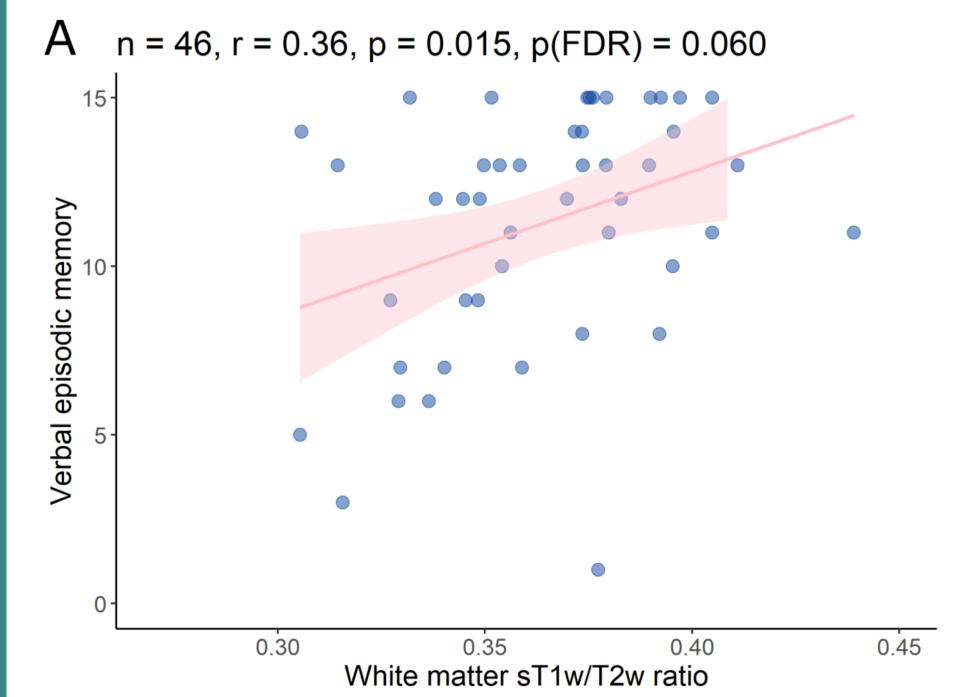


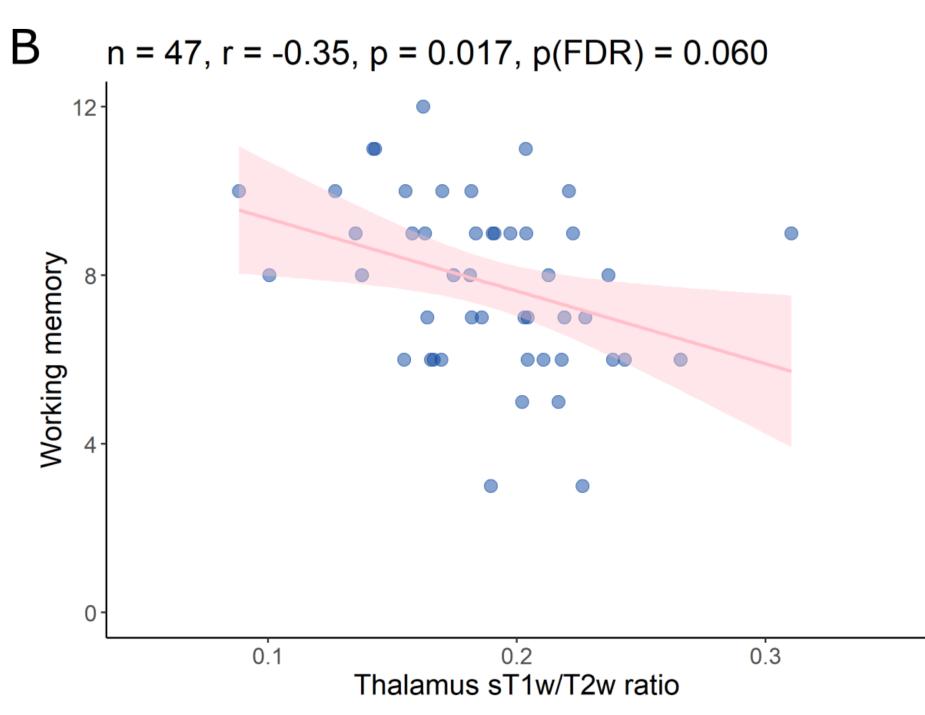






T1/T2 ratio correlates with cognitive impairment







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