**Instructions for use**

Included in this repository are all data files used to derive the results of this analysis. They include:

1. All FA, MD, RD, and AD files used for covariate-corrected regression in TBSS.
2. The group white matter fiber orientation distribution (fOD) template from our constrained spherical deconvolution (CSD) analysis used with connectivity-based fixel enhancement and covariate-corrected regression within MRTRIX.
3. The FD, FC, and FDC files generated from the NODDI toolbox and used for covariate-corrected regression in TBSS.
4. The group average fOD used to perform CSD in MRTRIX.
5. The script (jupyter notebook) used to perform constrained spherical deconvolution in our cohort.
6. The toolbox used to fit the NODDI model.

If you have any other questions or require further materials, please direct reasonable requests to Julia Kline, jekline2@gmail.com.