



A group-average template was constructed from a total of 22 scans. A HARDI scheme was used, and a total of 114 diffusion sampling directions were acquired. The b-value was 3000 s/mm<sup>2</sup>. The in-plane resolution was 0.015 mm. The slice thickness was 0.015 mm. The images were resampled to 0 mm isotropic resolution. The diffusion data were reconstructed in the MNI space using q-space diffeomorphic reconstruction (Yeh et al., Neuroimage, 58(1):91-9, 2011) to obtain the spin distribution function (Yeh et al., IEEE TMI, ;29(9):1626-35, 2010). A diffusion sampling length ratio of 0.6 was used. The output resolution in diffeomorphic reconstruction was 0.025 mm isotropic. The restricted diffusion was quantified using restricted diffusion imaging (Yeh et al., MRM, 77:603-612 (2017)).