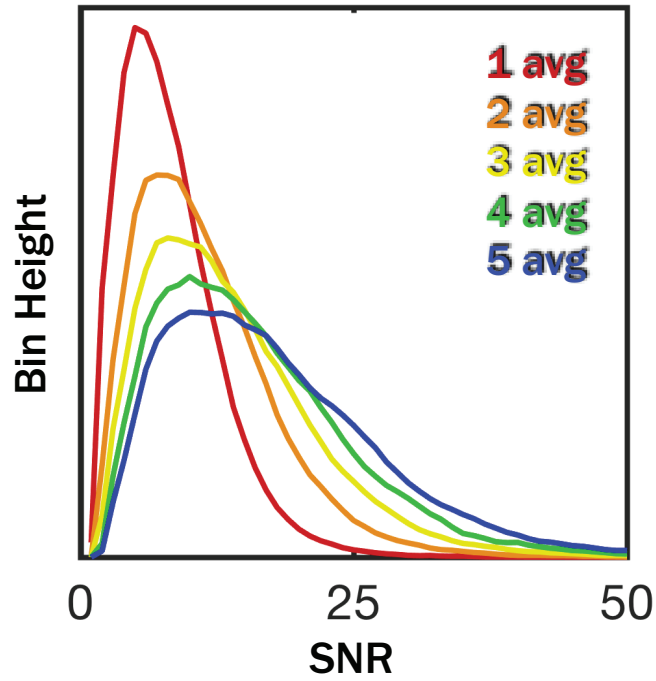


Supporting Figure S1: Example diastolic images with $b=0$ and 350 s/mm^2 with 5 averages and a histogram of LV $b=0$ SNR (A). Maps of tensor MD (B), FA (C), and Mode (D) with corresponding uncertainties and LV histograms. Uncertainty was generally higher in diastolic than in mid-systolic cDTI.



Supporting Figure S2: Histograms of b=0 image SNR within the LV with $N_{\text{avg}}=1-5$ for all subjects and phases. Median ($\pm 95\text{CI}$) SNR increased from 7.4 ± 0.3 with $N_{\text{avg}}=1$ to 16.7 ± 0.7 with $N_{\text{avg}}=5$.