

Figure 1A: Regions of Interest (ROI) labeled on FA map:

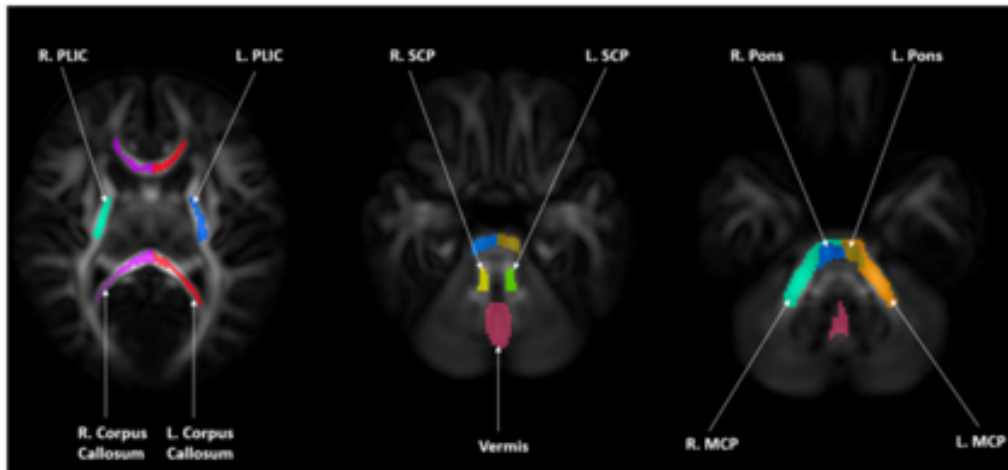


Figure 1B: ROIs categorized by significance of FA values between CHD cases and controls:

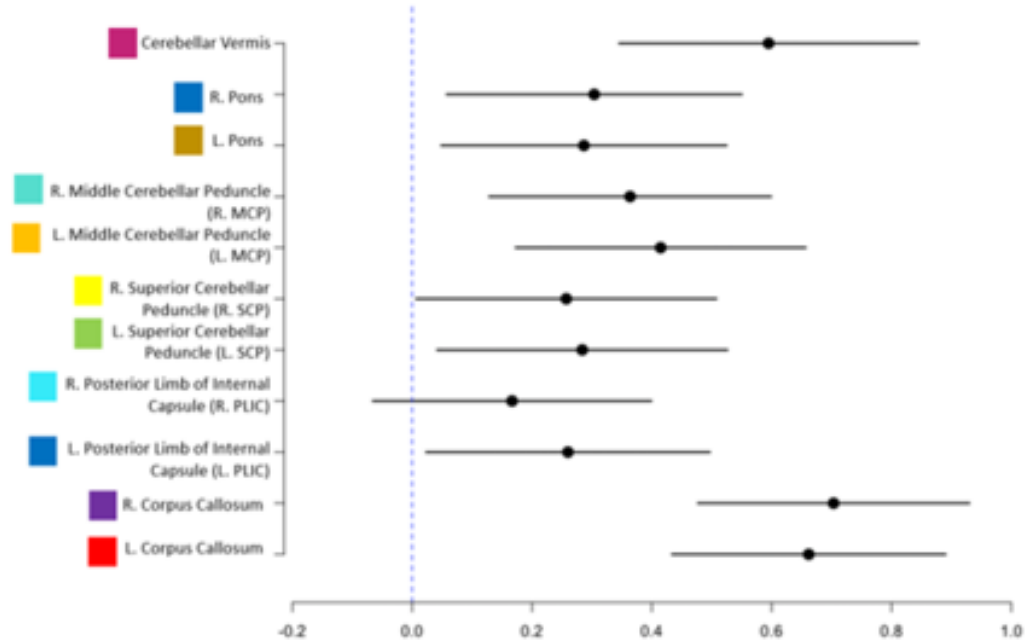


Figure 1C: Raw FA values and linear model group comparisons:

Z-Score FA Values

ROI	Average FA values			Group comparisons (Linear Models)		
	Healthy ctrl (n=183)	CHD No-AO (n=103)	CHD with AO (n = 47)	Healthy ctrl vs No-AO (p-value)	Healthy ctrl vs AO (p-value)	AO vs No-AO (p-value)
L. Corpus Callosum	0.604	0.540	0.530	3.11e-6*	3.31e-7*	0.193
R. Corpus Callosum	0.6001	0.535	0.527	2.49e-7*	2.96e-7*	0.345
L. PLIC	0.599	0.573	0.569	0.0908	0.0332*	0.318
R. PLIC	0.610	0.583	0.570	0.5673	0.0197*	0.0471*
L. SCP	0.437	0.402	0.402	0.0379*	0.0722	0.769
R. SCP	0.417	0.389	0.387	0.0746	0.101	0.766
L. MCP	0.506	0.436	0.421	0.00905*	0.000796*	0.228
R. MCP	0.475	0.385	0.380	0.0256*	0.00115*	0.146
L. Pons	0.290	0.255	0.238	0.169	0.00142*	0.0425*
R. Pons	0.256	0.229	0.228	0.0296*	0.0564	0.809
Vermis	0.189	0.165	0.160	4.93e-5*	0.000119*	0.500