

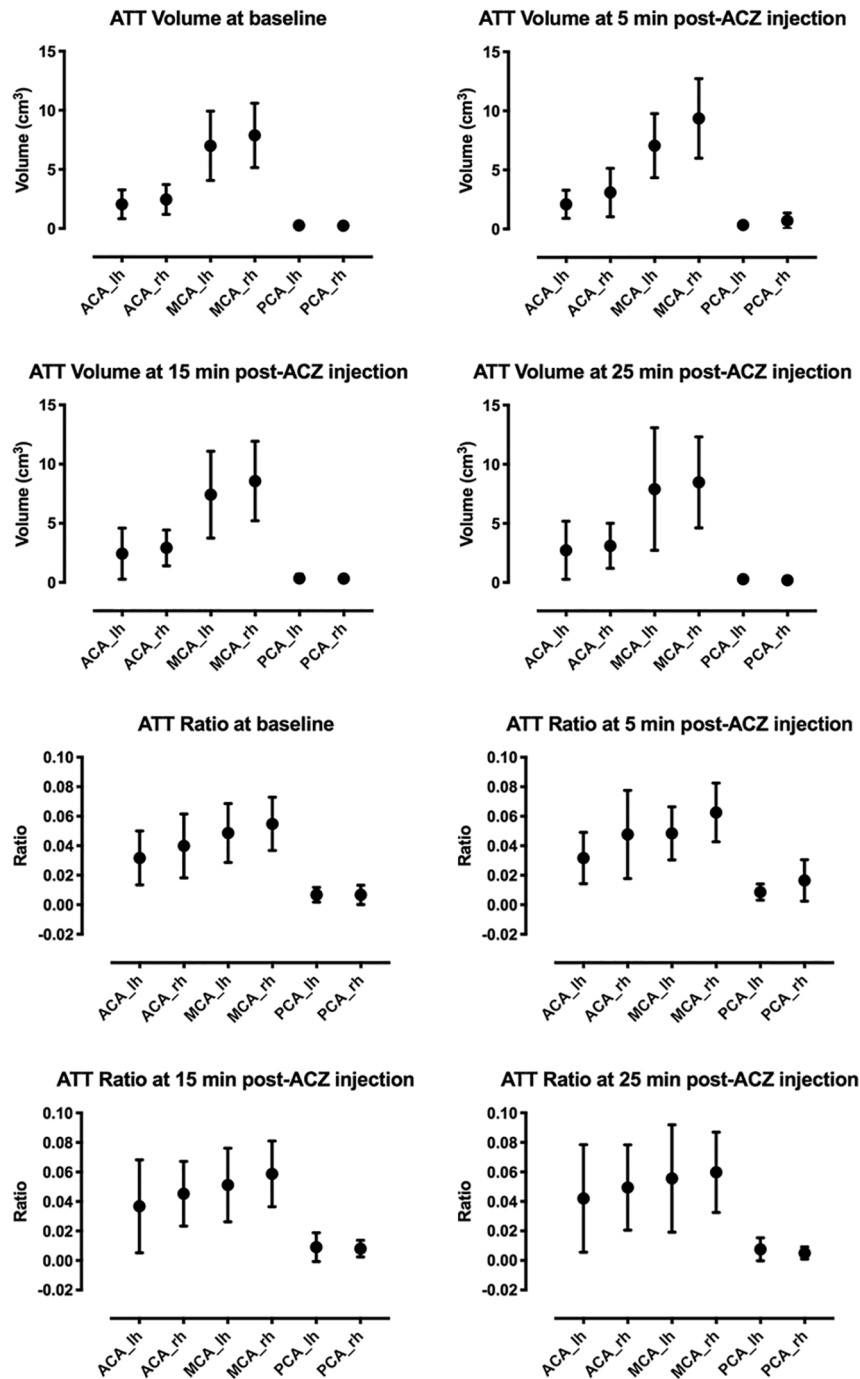
On-line Table 1: Imaging parameters of performed sequences

Sequence	Sequence Type	Orientation	TR/TE/TI/FA	Matrix (mm)	Slices	PLD/LD	Flow-Crushing Gradients	ACZ Time Points	Comments
CE-T1-weighted	3D-TSE	TRA	8.3/3.8/NA/8	$0.938 \times 0.938 \times 1.0$	220	NA	NA	NA	Contrast injection
T2-weighted-FLAIR	3D-TSE	SAG	4800/307/1650/90	$0.626 \times 0.625 \times 0.560$	321	NA	NA	NA	
3D-pCASL	3D pseudocontinuous GRASE	TRA	4735/10.7/NA/90	$3 \times 3 \times 6$	14	2500/1800	No	0/5/15/25 min	Commercial
3D-pCASL	3D pseudocontinuous GRASE	TRA	4280/6.7/NA/90	$1.875 \times 1.875 \times 6$	16	2000/1800	No	0/5/10/15 min 0/5/15/25 min	WIP

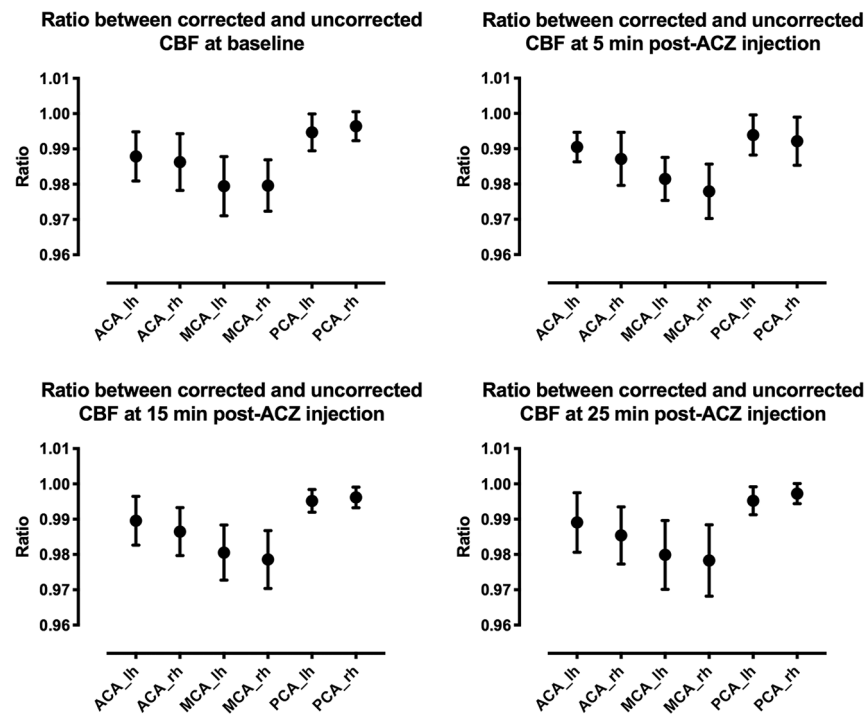
Note:—NA indicates not applicable; FA, flip angle; TRA, transversal; SAG, sagittal; GRASE, gradient and spin-echo; LD, label duration; WIP, work-in-progress; CE, contrast-enhanced.

On-line Table 2: Average, maximum, and 95% CI for ATT_{over} volumes and ATT_{over} ratios, respectively

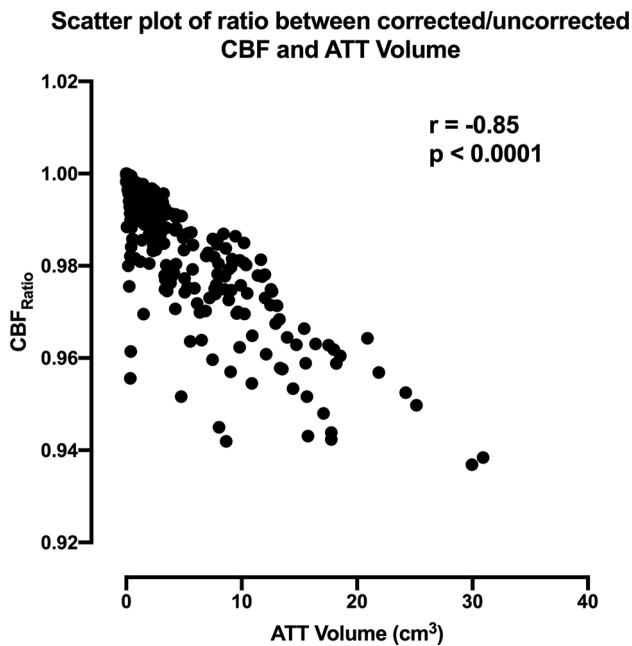
	ACA		MCA		PCA	
	Left	Right	Left	Right	Left	Right
ATT _{over} volume (cm ³)						
Baseline						
Mean	2.1	2.5	7.0	7.9	0.3	0.2
95% CI	0.8–3.3	1.2–3.7	4.1–9.9	5.2–10.6	0.1–0.5	0.0–0.5
Maximum	9.6	8.7	21.9	18.2	1.2	1.5
5 minutes						
Mean	2.1	3.1	7.1	9.4	0.3	0.7
95% CI	0.9–3.3	1.0–5.1	4.3–9.8	6.0–12.7	0.1–0.5	0.0–1.3
Maximum	8.6	13.3	18.5	25.1	1.4	4.7
15 minutes						
Mean	2.5	2.9	7.4	8.6	0.3	0.3
95% CI	0.3–4.6	1.4–4.4	3.8–11.1	5.2–11.9	0.0–0.7	0.0–0.6
Maximum	17.1	9	29.9	19.6	2.6	1.6
25 minutes						
Mean	2.7	3.1	7.9	8.5	0.2	0.2
95% CI	0.3–5.2	1.2–5.0	2.7–13.1	4.6–12.3	0.0–0.5	0.0–0.3
Maximum	15.7	9.8	30.9	18	1.8	1.0
ATT _{over} ratio						
Baseline						
Mean	0.032	0.040	0.049	0.055	0.007	0.007
95% CI	0.013–0.050	0.018–0.061	0.029–0.069	0.037–0.073	0.002–0.012	0.000–0.013
Maximum	0.140	0.164	0.151	0.118	0.030	0.051
5 minutes						
Mean	0.032	0.048	0.048	0.063	0.009	0.016
95% CI	0.014–0.049	0.018–0.078	0.030–0.067	0.043–0.083	0.003–0.014	0.002–0.030
Maximum	0.125	0.203	0.128	0.149	0.040	0.098
15 minutes						
Mean	0.038	0.045	0.051	0.059	0.009	0.008
95% CI	0.005–0.068	0.023–0.067	0.026–0.076	0.036–0.081	0.000–0.019	0.002–0.014
Maximum	0.250	0.120	0.206	0.146	0.075	0.034
25 minutes						
Mean	0.042	0.049	0.056	0.060	0.008	0.005
95% CI	0.006–0.078	0.021–0.078	0.019–0.092	0.033–0.087	0.000–0.015	0.001–0.009
Maximum	0.229	0.149	0.213	0.134	0.052	0.023



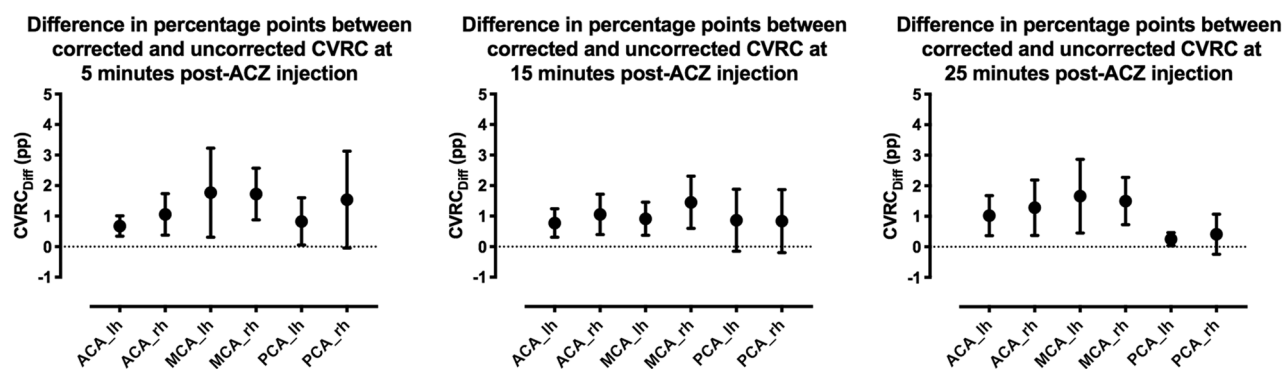
ON-LINE FIG 1. Graphs depicting mean and 95% CI for ATT_{over} volume (cm³) and the ATT_{over} ratio for all vascular regions and for baseline, 5, 15, and 25 minutes post-ACZ injection, respectively.



ON-LINE FIG 2. Graphs depicting mean and 95% CI for CBF_{Ratio} for all vascular regions and for baseline, 5, 15, and 25 minutes post-ACZ injection, respectively.



ON-LINE FIG 3. Graph depicting the correlation analysis of the CBF_{Ratio} and ATT volume.



ON-LINE FIG 4. Graphs depicting mean and 95% CI for CVRC_{Diff} for all vascular regions and for baseline, 5, 15, and 25 minutes post-ACZ injection, respectively.