Supplement to:

Failure of Collateral Blood Flow is Associated With Infarct Growth in Ischemic Stroke

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Figure: An illustration of the distinction between normal anterograde (left middle cerebral artery) and retrograde collateral flow (right middle cerebral artery) using dynamic perfusion imaging. The collateral flow to the right hemisphere fills from the periphery indicating retrograde flow and arrives in the arterial phase (3-7.5sec in this case). There are no areas of absent opacification seen (ie grade 4). Delayed washout persists into the venous phase.
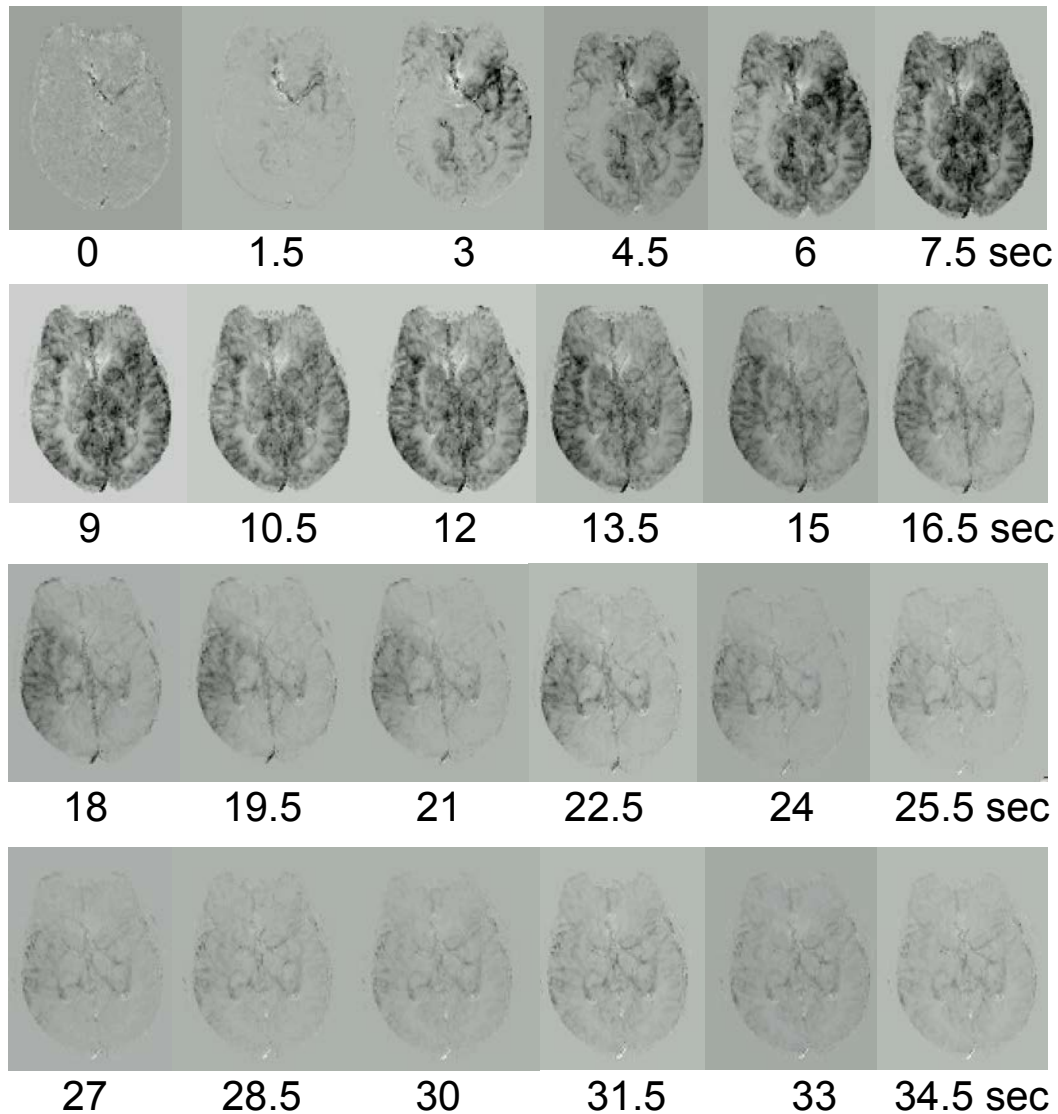
Table: Individual data for the 30 patients without reperfusion.

case	acute collateral grade	subacute collateral grade	absolute growth	relative growth	major growth	change in median Tmax within Tmax2 ROI	change in median Tmax within Tmax6 ROI	hypoperfusion intensity ratio Tmax 8:2	hypoperfusion intensity ratio Tmax 14:6
1	3	1	98.3	166	1	0.5	3.0	-0.2	0.08
2	1	1	24.9	68	0	0	-2.5	0	-0.02
3	1	1	99.7	64	0	-2.5	-2.5	0.07	-0.05
4	4	1	288.5	3104	1	12.5	30	0.55	0.47
5	3	3	65.9	327	1	0	2.5	0.15	-0.03
6	1	1	87.7	45	0	-5	-2.5	-0.19	-0.25
7	3	1	96.5	293	1	5	2.5	0.23	0.25
8	3	3	175.6	801	1	-1.3	-1.0	-0.13	-0.04
9	3	3	11.6	209	0	0	11	0	0.5
10	3	2	61.6	299	1	0	4	-0.03	0.24
11	3	2	65.9	753	1	6	6	0.21	0.63
12	2	1	138.9	221	1	0	-2	-0.09	-0.16
13	3	3	11.8	28	0	-4	2	-0.19	0.05
14	3	3	101.9	492	1	-2	0	-0.19	-0.05
15	3	3	11.3	372	0	-4	-2	-0.3	-0.24
16	1	1	89.4	63	0	0	2	-0.04	0
17	1	1	100.4	218	0	2	0	0.22	0.13
18	3	1	297.4	3763	1	10	12	0.15	0.55
19	3	3	59.8	315	1	-2.4	0.2	-0.18	0.16
20	1	1	189.7	215	1	0	1.4	-0.02	0.11
21	2	1	88.0	73	0	0	1	0.05	0.1
22	3	0	538.7	14815	1	8	8	0.08	0.44
23	1	1	69.9	40	0	1.4	-1.4	-0.01	-0.05
24	2	3	52.7	187	0	-4.3	-4.3	-0.37	-0.44
25	1	1	62.8	42	0	2	4	0.28	0.21
26	3	3	50.3	161	0	-4	0	-0.45	-0.13
27	4	3	12.6	358	0	0	0	0.02	-0.01
28	2	3	108.7	285	1	0	-3	-0.19	-0.19
29	3	3	100.4	959	1	-3	0	-0.15	0
30	1	2	108.6	60	0	-3	-9	-0.3	-0.36