

Supplemental Table 1: Comparison of CBF (mean mL/100 mg per minute \pm standard deviation) in patients with NF-1 stratified by the presence of NF-1 spots, optic pathway gliomas, and neurocognitive deficits

Structure	NF-1 Spots		Optic Pathway Glioma		Neurocognitive Deficit	
	+	-	+	-	+	-
ACA territory						
Anterior cingulate gyrus	60 \pm 5	62 \pm 16	57 \pm 6	62 \pm 8	63 \pm 11	59 \pm 4
	<i>P</i> = .769		<i>P</i> = .454		<i>P</i> = .573	
Medial frontal cortex	55 \pm 7	57 \pm 14	55 \pm 8	56 \pm 9	57 \pm 10	54 \pm 8
	<i>P</i> = .885		<i>P</i> = 1.000		<i>P</i> = 0.852	
Anterior caudate nucleus	50 \pm 4	55 \pm 2	53 \pm 3	50 \pm 4	54 \pm 2	48 \pm 4
	<i>P</i> = .038		<i>P</i> = .374		<i>P</i> = .013	
ACA-MCA border zone						
Centrum semiovale	22 \pm 5	25 \pm 2	26 \pm 3	21 \pm 4	22 \pm 3	23 \pm 5
	<i>P</i> = .225		<i>P</i> = .076		<i>P</i> = .950	
MCA territory						
Frontal operculum	60 \pm 8	63 \pm 5	61 \pm 2	60 \pm 9	65 \pm 9	57 \pm 5
	<i>P</i> = .555		<i>P</i> = .839		<i>P</i> = .142	
Globus pallidus	42 \pm 5	47 \pm 6	48 \pm 4	42 \pm 5	45 \pm 6	42 \pm 6
	<i>P</i> = .291		<i>P</i> = .054		<i>P</i> = .228	
MCA-PCA border zone						
Parietal cortex	56 \pm 8	53 \pm 14	55 \pm 12	55 \pm 8	56 \pm 11	55 \pm 8
	<i>P</i> = .555		<i>P</i> = .733		<i>P</i> = .852	
Superomedial temporal cortex	59 \pm 9	44 \pm 4	57 \pm 2	61 \pm 10	66 \pm 9	56 \pm 6
	<i>P</i> = .769		<i>P</i> = .635		<i>P</i> = .059	
Temporo-occipital cortex	50 \pm 6	54 \pm 13	51 \pm 7	51 \pm 9	54 \pm 9	49 \pm 7
	<i>P</i> = .885		<i>P</i> = .733		<i>P</i> = .345	
Anterior choroidal-P-comm-PCA						
Thalamus	44 \pm 9	44 \pm 4	40 \pm 3	45 \pm 5	47 \pm 8	41 \pm 7
	<i>P</i> = .555		<i>P</i> = .374		<i>P</i> = .181	
PCA territory						
Posterior cingulate gyrus	56 \pm 6	61 \pm 12	56 \pm 4	57 \pm 9	62 \pm 8	53 \pm 4
	<i>P</i> = .555		<i>P</i> = 1.000		<i>P</i> = .020	
Occipital cortex	43 \pm 7	53 \pm 18	44 \pm 6	46 \pm 12	50 \pm 14	42 \pm 5
	<i>P</i> = .368		<i>P</i> = .945		<i>P</i> = .081	

Note:—Comparisons by independent-samples Mann-Whitney *U* test with Bonferroni-corrected $\alpha = 0.004$ for 12 comparisons in each category. ACA indicates anterior cerebral artery; P-comm, posterior communicating; PCA, posterior cerebral artery.