

Table S1. Area under the curve for breath-hold fMRI (bh-fMRI) cerebrovascular reactivity (CVR) predicting [¹⁵O]water PET cerebral perfusion reserve impairment

bh-fMRI CVR impairment compared to the cerebellar CVR response	Territories of the internal carotid artery	Territories of the anterior and middle cerebral artery
	Youden index	Youden index
0 %	1.000	1.000
10 %	1.282	1.176
20 %	1.315	1.235
30 %	1.350	1.297
40 %	1.460	1.389
50 %	1.541	1.567
60 %	1.376	1.432
70 %	1.302	1.407
80 %	1.329	1.353
90 %	1.317	1.382
100 %	1.274	1.356
Steal phenomenon	1.231	1.358