

Table S1 Diagnostic performance of each MRI parameter in differentiation MELAS versus ICI

Parameter	MVL					NAR				
	AUC (95% CI)	P value	Sensitivity	Cut-off	Specificity	AUC (95% CI)	P value	Sensitivity	Cut-off	Specificity
Lac/Cr	0.829 (0.656-0.954)	<0.001	0.857	0.357	0.70	0.929 (0.656-1.001)	<0.001	0.857	0.108	1.0
NAA/Cr	0.479 (0.234-0.723)	0.864	0.929	0.471	0.20	0.379 (0.149-0.608)	0.300	0.143	1.689	1.0
rCBF	0.871 (0.728-1.015)	<0.001	0.714	0.893	1.00	0.636 (0.396-0.875)	0.267	0.929	0.953	0.4
rCBV	0.886 (0.738-1.034)	<0.001	0.786	0.672	1.00	0.714 (0.486-0.942)	0.065	0.929	0.939	0.5
rADC	0.636 (0.392-0.880)	0.276	0.857	1.021	0.50	0.614 (0.360-0.868)	0.493	0.857	0.979	0.5

ADC, apparent diffusion coefficient; AUC, area under the curve; CBF, cerebral blood flow; CBV, cerebral blood volume; CI, confidence interval; NAA, N-acetyl aspartate; Cr, creatine; Lac, lactate; MVL, MRI-visible lesions; NAR, normal-appearing regions; r, relative.