

## SUPPLEMENTAL MATERIAL

Supplemental Table 1. Parametric Mapping Techniques

Supplemental Table 2. QUADAS Questionnaire

Supplemental Table 3. Lake Louise Component Sensitivities and Specificities

Supplemental Table 1. Parametric Mapping Techniques

First Author Year	Parameters	Scanner	Vendor	Field Strength (Tesla)	T1 Sequence	T2 Sequence	Threshold Optimization Method	T1 Cut-off (ms)	T2 Cut-off (ms)	ECV Cut-off (%)
Baeßler 2017	T2	Achieva	Philips	1.5	n/a	GraSE	Classification trees with logistic regressions	n/a	Not Reported	n/a
Nadjiri 2017	T1, ECV	Magnetom Avanto	Siemens	1.5	MOLLI 4(1)3(1)2	n/a	Not Reported	>970	n/a	>32.4
von Knobelsdorff-Brenkenhoff 2017	T1, T2, ECV	Magnetom Avanto	Siemens	1.5	MOLLI 5(3)3	T2-SSFP	Youden index	>981	>52.3	>24.1
Lurz 2016	T1, T2, ECV	Intera CV	Philips	1.5	MOLLI 3(3)5	Navigator-Gated Multi-Echo FSE	Youden index	>1058	>58.8	>32.6
Luetkens 2016	T1, T2, ECV	Ingenia	Philips	1.5	MOLLI 3(3)3(3)5	GraSE	Reclassification accuracy	>1000	>55.9	>28.8
					ShMOLLI 5(1)1(1)			>852		
Hinojar 2015	T1	Achieva	Philips	1.5	MOLLI 3(3)3(3)5	n/a	2 SD above the mean	>992	n/a	n/a
				3.0				>1098		
Bohnen 2015	T2	Achieva	Philips	1.5	n/a	GraSE	Youden index	n/a	>60.0	n/a
Radunski 2014	T1, T2, ECV	Achieva	Philips	1.5	MOLLI 5(3)3	Navigator-Gated Multi-Echo FSE	Youden index	>1074	>61.0	>29.0
Luetkens 2014	T1, ECV	Ingenia	Philips	3.0	MOLLI 3(3)3(3)5	n/a	Reclassification accuracy	>1140	n/a	>26.3
Ferreira 2014	T1	Avanto	Siemens	1.5	ShMOLLI 5(1)1(1)1	n/a	Predefined Threshold	>990	n/a	n/a

AUC = Area under the curve; ECV = extracellular volume; FSE = Fast spin echo; GraSE = Gradient Spin Echo; MOLLI = Modified Look-Locker Inversion Recovery; ms = milliseconds; ROC = Receiver operating characteristic; SD = standard deviation; ShMOLLI = Shortened Modified Look-Locker Inversion Recovery; T2P-SSFP = T2-prepared steady-state free precession.



Supplemental Table 3. Lake Louise Component Sensitivities and Specificities

First Author Year	Sensitivity				Specificity				Accuracy			
	LLC	LGE	EGE	T2w Ratio	LLC	LGE	EGE	T2w Ratio	LLC	LGE	EGE	T2w Ratio
Baeßler 2017	58	52	48	40	100	100	100	77	67	62	59	47
Galea 2017†	70	76	69	67	90	75	70	80	77	76	69	72
Imbriaco 2017	73	77	75	71	100	100	100	100	78	82	80	77
Luetkens 2017	81	n/a	n/a	n/a	97	n/a	n/a	n/a	88	n/a	n/a	n/a
Nadjiri 2017	56	n/a	n/a	n/a	87	n/a	n/a	n/a	84	n/a	n/a	n/a
Lurz 2016	65	n/a	n/a	n/a	44	n/a	n/a	n/a	59	n/a	n/a	n/a
Luetkens 2016	82	74	77	50	98	100	62	94	92	89	68	76
Schwab 2016	67	86	51	56	100	100	94	100	82	92	70	76
Radunski 2014	84	61	63	76	57	100	71	42	79	68	64	70
Luetkens 2014	92	75	83	79	80	100	42	61	84	91	57	68
Lurz 2012	81	74	76	64	71	65	53	65	79	72	70	64
Chu 2012†	77	77	65	69	90	60	90	100	80	73	71	76
Abdel-Aty 2005	76	44	80	84	96	100	68	74	86	71	74	79
Pooled Estimate‡	76	68	66	65	89	94	70	79	80	77	67	70

†Study included multiple thresholds for EGE; reported values were based on the median threshold used

‡Pooled estimates were sampled-weighted and only included studies that provided LGE, EGE, and T2w ratio values

EGE = Early gadolinium enhancement; LGE = Late gadolinium enhancement; LLC = Lake Louise Criteria; T2w = T2-weighted.