

Table S2 Range of acquisition parameters used in selected studies by scanner model

Manufacturer	SIEMENS	SIEMENS	SIEMENS	SIEMENS	SIEMENS	SIEMENS	GE MEDICAL SYSTEMS	SIEMENS	SIEMENS	SIEMENS	SIEMENS	SIEMENS
Scanner Model	TrioTim	Trio	NUMARIS/4	Verio	Espreo	Skyra	DISCOVERY MR750w	Avanto	syngo.via.VB10A TrioTim	MAGNETOM Vida	Avanto_fit	Skyra_fit
Magnetic Field Strength	3	2.894	3	3	1.5	3	3	1.5	3	3	1.5	3
T1 Imaging Frequency	123.25–123.257	123.264	123.257	123.203–123.263	63.536–63.548	123.155–123.155	127.744	63.636	123.257	123.256–123.256	63.682	123.259
T1 Repetition Time	400–1760	1620	1760	1730–1760	500–1180	1760	5.536	1180	1760	2200	2200	1760
T1 Echo Time	3.09–4.92	3.87	3.1	3.15–3.21	2.87–17	3.15	1.336	3.11	3.11	2.46	2.96	3.15
T1 Inversion Time	0–950	950	950	900–950	0–600	950	0	600	950	900	900	950
T1 Flip Angle	15–80	15	15	9–15	15–80	15	20	15	15	9	8	15
T1 Pixel Spacing	0.430\0.430–1.094\1.094	0.977\0.977	0.977\0.977	0.488\0.488	0.859\0.859–0.977\0.977	0.488\0.488	0.5273\0.5273	0.488\0.488	0.977\0.977	0.977\0.977	1.016\1.016	0.488\0.488
T1 Slice Thickness	1–4	1	1	0.9–1	1–5	1	1.6	1	1	0.9	1	1
T1GD Imaging Frequency	63.636–123.257	123.257	123.257	123.203–123.263	63.536–123.257	123.155–123.155	127.744	63.636	123.257	123.256–123.256	63.682	123.259
T1GD Repetition Time	1180–1760	1760	1760	1730–1760	1180–1760	1730	5.536	1180	1760	2200	2200	1730
T1GD Echo Time	3.1–3.87	3.87	3.1	3.15–3.21	2.87–3.11	2.75	1.336	3.11	3.11	2.46	2.96	2.75
T1GD Inversion Time	600–950	950	950	900–950	600–950	900	0	600	950	900	900	900
T1GD Flip Angle	15	15	15	9–15	15	9	20	15	15	9	8	9
T1GD Pixel Spacing	0.488\0.488–1.094\1.094	0.977\0.977	0.977\0.977	0.488\0.488–0.527\0.537	0.977\0.977	0.488\0.488	0.5273\0.5273	0.488\0.488	0.977\0.977	0.977\0.977	1.016\1.016	0.488\0.488
T1GD Slice Thickness	1	1	1	0.9–1	1	1	1.6	1	1	0.9	1	1
T2 Imaging Frequency	63.863–123.257	123.264	123.257	123.203–123.263	63.536–63.548	123.155–123.155	127.744	63.636	123.257	123.256–123.256	63.682	123.259
T2 Repetition Time	3200–5340	3500	3200	4680–5410	3630–6880	5410	4000	5150	5340	4710	4040	5410
T2 Echo Time	84–458	354	458	86–89	99–106	90	118.02	102	85	90	89	90
T2 Flip Angle	90–160	180	120	160	180	150	142	150	160	150	150	150
T2 Pixel Spacing	0.469\0.469–1.094\1.094	0.5\0.5	0.897\0.897	0.859\0.859–0.938\0.938	0.430\0.430–0.488\0.488	0.75\0.75	0.430\0.430	0.469\0.469	0.938\0.938	0.75\0.75	0.677\0.677	0.75\0.75
T2 Slice Thickness	0.9–5	1	0.9	3	3–5	3	5	3	3	3	3	3
FLAIR Imaging Frequency	63.636–123.257	123.257	123.257	123.203–123.263	63.536–123.257	123.155–123.155	127.744	63.636	123.257	123.256–123.256	63.682	123.259
FLAIR Repetition Time	8000–15830	9420	9420	9420	9200–10000	10030	10505	10000	9420	10060	9790	10030
FLAIR Echo Time	75–141	140	141	109–111	99–141	137	121.22	93	141	133	87	137
FLAIR Inversion Time	2200–2500	2500	2500	2550	2200–2500	2550	2425.46	2200	2500	2550	2584.6	2550
FLAIR Flip Angle	120–170	170	170	170	150–170	150	111	150	170	150	150	150
FLAIR Pixel Spacing	0.488\0.488–1.094\1.094	0.9375\0.9375	0.9375\0.9375	0.469\0.469–0.527\0.527	0.938\0.938–0.977\0.977	0.938\0.938	1.055\1.055	0.488\0.488	0.938\0.938	0.375\0.375	0.8125\0.8125	0.938\0.938
FLAIR Slice Thickness	3–4	3	3	3	3	3	3	3	3	3	3	3
DTI Imaging Frequency	0–123.257	123.257	123.257	123.203–123.263	0–123.257	123.155–123.155	0	63.636	123.257	123.256–123.256	63.682	123.259
DTI Repetition Time	0–6729	4200	4900	6300–7600	0–5000	5400	0	7500	5000	5400	8000	6200
DTI Echo Time	0–91	83	83	100–106	0–121	95	0	87	86	95	87	95
DTI Flip Angle	0–90	90	90	90	0–90	90	0	90	90	90	90	90
DTI Pixel Spacing	1.719\1.719–2.344\2.344	1.719\1.719	1.719\1.719	1.719\1.719–1.797\1.797	1.719\1.719–1.797\1.797	1.719\1.719–1.875\1.875	None	2.344\2.344	1.719\1.719	1.719\1.719	2.344\2.344	1.719\1.719
DTI Slice Thickness	0–3	3	3	3	0–5	3	0	2.5	3	3	3	3
DSC Imaging Frequency	123.249–123.257	123.257	123.257	123.203–123.263	63.536–123.257	123.155–123.155	127.744	63.636	123.257	123.256–123.256	63.682	123.259
DSC Repetition Time	1740–2000	2000	2000	2000	1440–2000	2000	2000	1700	2000	2000	1700	2000
DSC Echo Time	45–54	45	45	45	45–51.4	45	45	30	45	45	30	45
DSC Flip Angle	35–90	90	90	90	90	90	60	90	90	90	90	90
DSC Pixel Spacing	1.688\1.688–1.953\1.953	1.719\1.719	1.719\1.719	1.719\1.719	1.719\1.719–1.797\1.797	1.719\1.719	1.875\1.875	1.719\1.719	1.719\1.719	1.719\1.719	1.719\1.719	1.719\1.719
DSC Slice Thickness	3–5	3	3	3–5	3–5	4–5	5	5	4	3–4	4	3

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References

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