

SUPPLEMENTARY TABLE 1. MAGNETIC RESONANCE IMAGING PARAMETERS

Group	Location	MR Model	Magnetic Field Strength (Tesla)	# Head Coil Channels	Series	Slice Thickness (mm)	Repetition Time (ms)	Echo Time (ms)	Inversion Time (ms)	Flip Angle
Control	UCSF Clinical	GE Signa HDxt	1.5	8	3D T2 FLAIR	1.6	5916.67	143.236	1804	90
Control	UCSF Clinical	GE Discovery MR750	3	8	3D T2 FLAIR	1.1	6016.67	122.029	1601.11	90
Control	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1.2	10.172	4.172	450	12
Control	UCSF Clinical	GE Discovery MR750	3	8	3D T2 FLAIR	1.1	5716.67	123.436	1801	90
Control	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1.2	7.128	2.696	450	12
Control	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1	7.524	3.1	900	8
Control	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1	8.16	3.172	400	11
Control	UCSF Clinical	GE Discovery MR750	3	8	3D T2 FLAIR	1.1	6016.67	133.592	1573.21	90
Control	UCSF Clinical	GE Signa HDxt	3	8	3D T1	1	7.62	2.852	750	12
Control	UCSF Clinical	GE Signa HDxt	3	8	3D T1	1	7.416	2.304	400	15
Control	UCSF Clinical	GE Signa HDxt	3	8	3D T2 FLAIR	1.1	5800	133.822	1796	90
Control	UCSF Clinical	GE Signa HDxt	3	8	3D T1	1.2	7.616	2.848	750	12
Control	UCSF Clinical	Siemens Verio	3	12	3D T1	1.2	1900	2.19	900	9
Control	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Control	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Control	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Control	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Player	Outside Hospital	Phillips Healthcare Ingenia	3	NA	3D T1	1	8.22	3.792	NA	8
Player	Outside Hospital	Siemens TrioTim	3	NA	3D T1	0.8	1800	2.29	900	9
Player	UCSF Clinical	GE Signa HDxt	1.5	8	3D T1	1.6	10.476	4.332	450	25
Player	UCSF Clinical	GE Signa HDxt	1.5	8	3D T1	1.5	8.904	4.012	450	20
Player	UCSF Clinical	GE Signa HDxt	1.5	8	3D T2 FLAIR	1.8	5800	129.252	1812	90
Player	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1.2	7.168	2.696	450	12
Player	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1.2	7.228	2.716	450	12
Player	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1.2	7.18	2.696	450	12
Player	UCSF Clinical	GE Discovery MR750	3	8	3D T2 FLAIR	1.1	5850	122.796	1532.74	90
Player	UCSF Clinical	GE Discovery MR750	3	8	3D T1	1	7.244	2.712	450	12
Player	UCSF Clinical	Siemens Verio	3	12	3D T1	1.2	20	4.92	NA	25
Player	UCSF Clinical	Siemens Verio	3	12	3D T1	1.2	1900	2.19	900	9
Player	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Player	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Player	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Player	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9
Player	UCSF Research	Siemens TrioTim	3	12	3D T1	1	2300	2.98	900	9

NA, not available.