

Supplemental Table 2: MRI simulation scanning parameters for brain group including current sequences used for anatomic segmentation (black) and additional sequences needed for s-CT generation (blue)

Sequence	Acquisition Time	BW (Hz/Px)	TE (ms)	TR (ms)	FA (°)	Resolution (mm x mm x mm)	ST (mm)	FOV (mm)
SAG T1-3D								
MPRAGE with GADOLINIUM	4.59	150	2.87	2200	8	1.0 × 1.0 × 1.0	1	255
SAG FLAIR 3D SPACE	5.18	592	366	6000		1.0 × 1.0 × 1.0	1	256
<i>T2 SPACE SAG 3D</i>	5.32	723	99	1900	160	1.0 × 1.0 × 1.0	1	256
<i>PETRA 3D (Bones)</i>	2.57	401	0.07	3.33	6	1.5 × 1.5 × 1.5	1.5	480
<i>T1 VIBE DIXON 3D (Water & fat)</i>	2.07	500	2.39	6.83	10	1.5 × 1.5 × 1.5	1.5	288
<i>FLASH Gradient Echo 2D (Vessels)</i>	2.55	320	3.50	7	20	1.5 × 1.5 × 3.0	3	288