

Supplementary Table 1: Neonatal MR protocol and technical features

Sequence	Plane	Voxel Size (mm)	FOV (mm)	Matrix (slices)	TR (ms)	TE (ms)	AT
T1 SE (2D)	Axial	0.83x1.05x3	120x120x90	144x115x30	400	15	3:07
T2 TSE (2D)	Axial	0.94x1.06x3	120x120x102	128x113x34	3000	140	1:48
T2 TSE (2D)	Coronal	0.94x1.06x3	110x110x108	116x103x36	3000	140	1:48
T2 TSE (2D)	Sagittal	0.94x1.06x3	120x120x108	128x113x36	3000	140	1:48
DWI (2D)	Axial	1.14x1.15x3	200x200x92	176x170x28	4066	90	1:34
SWI (2D)	Axial	0.85x1x2	170x139x90	200x138x90	51	12	3:35
T1 (3D)	Sagittal	0.75x0.75x2	120x120x99	160x160x99	25	7.6	3:46
MDME (2D)	Axial	0.9x1x4	200x165x109	224x159x22	3309	13	5:24

AT: Acquisition time

DWI: Diffusion-weighted imaging

FOV: Field-of-view

MDME: Multi-dynamic multi-echo

SE: Spin echo

SWI: Susceptibility-weighted imaging

TE: Echo time

TR: Repetition time

TSE: Turbo spin echo