

Supplemental Material

Detailed MRI protocol

MRI was performed on a Philips Ingenia 3 Tesla system using dS HeadNeckSpine coil configuration (Philips Healthcare, Best, Netherlands).

In the majority of the cases (110 of 132, 83%), we used a novel protocol:

Sequence	Orientation	Parameters
T1 TSE	axial	slice thickness 4 mm, TE=10 ms, TR=641 ms
T2 TSE Dixon	axial	slice thickness 4 mm, TE=100 ms, TR=3021 ms
T2 TSE Dixon	coronal	slice thickness 3.5 mm, TE=80 ms, TR=3210 ms
DWI	axial	slice thickness 4 mm, TE=87 ms, TR=3981 ms, b-value 1000 s/mm ²
T1 TSE Dixon after Gd	axial	slice thickness 4 mm, TE=7 ms, TR=634 ms
T1 TSE Dixon after Gd	coronal	slice thickness 3.5 mm, TE=14 ms, TR=560 ms

T1 TSE Dixon after Gd	sagittal	slice thickness 3 mm, TE=14 ms, TR=630 ms
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In 22 of the 132 cases (17%), we used an older protocol:

Sequence	Orientation	Parameters
T2 TSE	axial	slice thickness 3 mm, TE=80 ms, TR=3203 ms
T2 SPAIR	coronal	slice thickness 3 mm, TE=80 ms, TR=3608 ms
T1 TSE	sagittal	slice thickness 3 mm, TE=16 ms, TR=641 ms
DWI	axial	TE=86 ms, TR=4843 ms, b-value 1000 s/mm ²
T1 SPIR after Gd	axial	slice thickness 3 mm, TE=18 ms, TR=651 ms
T1 TSE after Gd	coronal	slice thickness 3 mm, TE=16 ms, TR=604 ms