

### Imaging acquisition

MRI scans were conducted (Trio, 3.0T, Siemens). The routine MRI sequences included T1 weighted imaging (T1WI) in- and out-of-phase, fat-suppressed T2 weighted imaging (T2WI), diffusion weighted imaging (DWI), and dynamic multiphase enhanced. The contrast agent (Omniscan, GE Healthcare, Ireland) was injected at a dose of 0.2 ml/kg using a rate of 3 ml/s and was then followed by a 30 ml saline flush. The arterial phase (AP) was delayed by 20–35 s and the portal vein phase (PVP) was 60–70 s.

### MRI sequences and parameters

Parameters	Vibe	T1WI	T2WI	DWI
Repetition time(msec)	4.03	181	4480	6000
Echo time (msec)	1.43	2.2	102	73
Field of view (cm <sup>2</sup> )	42*25	45*23	42*26	39*28
Scan matrix	320*133	256*106	320*157	192*110
Slice thickness (mm)	2.3	6	6	6
Slice gap (mm)	-	2	2	2
Motion compensation	No	No	No	No
Flip angle	9	65	140	90
Number of slices	64	25	25	23
Number of excitation	1	1	1	1, 2
Fat saturation	Yes	No	Yes	Yes

b=0、50、500、800、1000 s/mm<sup>2</sup>; Vibe, volume interpolated breath-hold examination; WI, weighted imaging DWI, diffusion weighted imaging.