Supplementary Table 1. Pulse sequence parameters for magnetic resonance imaging

Parameter	HASTE transverse				HASTE coronal				DWI				T1WI 3D gradient echo				T1WI 2D gradient echo
Scanner	1	2	3	4	1	2	3	4	1	2	3	4	1[a]	2	3	4	1[a]
TR (ms)	584-750	600	700	600-650	600-850	700	700	700-800	1200-6194	3000	1300-4500	2000-3000	4.9-6.7	5.2	3.9	3.9	140-192
TE (ms)	94-180	180	80-147	78-141	96-150	113	80-147	78-141	65-74	86	57-59	51-56	1.86-2.38	1.93	1.36	1.36	4.76-5.04
FA (degrees)	110-150	160	120	120	102-150	160	120	120					10-15	15	10	10	70
b-value									50/800	50/800	50/800, 1000[b]	50/800, 1000[b]					
Matrix	176 × 256	176 × 256	204 × 384	203 × 384	176 × 256	176 × 256	204 × 384	250 × 384	77 × 128	77 × 128	87 × 160[c]	87 × 160[c]	119 × 384	119 × 384	162 × 350	154 × 320	187 × 256
FOV (cm)	38-50	40	36-40	36	38-50	40	36	36	35-50	35	36-40	38	38-48	40	36-41	38-42	35-50
ST (mm)	4	4	4	4	4	4	4	4	7	7	6	6	3	3	3	3	7
BW (Hz/pixel)	781	781	395	395	781	781	395	395	2298	2298	1988	1838	260	260	1120	1120	300
AT (s)	21	21	47	42	21	21	40	40	2:09-2:26	2:09-2:26	03:35	03:00	19-20	19-20	18	18	38

Scanner 1: MAGNETOM Avanto, Scanner 2: MAGNETOM Symphony, A Tim System, Scanner 3: MAGNETOM Skyra, Scanner 4: MAGNETOM Vida.

[a]Of the 69 cases performed with Avant, 43 were obtained using 2D gradient echo and 26 were obtained using 3D gradient echo. [b]The number of patients taken by each MRI scanner and *b*-values are as follows: 1 patient by Vida ($b = 800$ s/mm^2), 2 by Vida ($b = 1000$ s/mm^2), 8 by Skyra ($b = 800$ s/mm^2), 8 by Skyra ($b = 1000$ s/mm^2). [c]The interpolation method is applied to these.

HASTE – half-Fourier acquisition single-shot turbo spin-echo, DWI – diffusion-weighted imaging, T1WI – T1-weighted image, 3D – three-dimensional, 2D – two-dimensional, TR – repetition time, TE – echo time, FA – flip angle, FOV – field of view, ST – slice thickness, BW – bandwidth, AT – acquisition time.

Supplementary Table 2. Results of the multivariate analysis

Variable	Odds ratio	95% CI		*p*-value
Continuity mucosal and muscular layer (absent vs. present)	46.90	5.43	404.94	< 0.001
NIR-T1WI (≤ 1.11 vs. > 1.11)	5.99	1.24	28.92	0.03
NIR-HASTE				> 0.05
NIR-ADC (≤ 1.86 vs. > 1.86)	9.82	2.52	38.32	< 0.001

CI – confidence interval, NIR – normalised signal intensity ratio, T1WI – T1-weighted imaging, HASTE – half-Fourier acquisition single-shot turbo spin-echo, ADC – apparent diffusion coefficient.