

# **Splenic T2 signal intensity loss on MRI is associated with disease burden in multiple myeloma**

## **ELECTRONIC SUPPLEMENTARY MATERIAL**

**Supplement Table 1:** Imaging parameters

	<b>T1-weighted TSE</b>	<b>T2-weighted STIR</b>	<b>TSE</b>	<b>Diffusion-weighted imaging</b>
Sequence	2D TSE	2D TSE STIR		Diffusion-EPI iShim
Plane	coronal	coronal		axial
Slice thickness, distance factor	5.0mm, 10%	5.0mm, 10%		6.0mm, 0%
In-plane resolution (interpolation)	1.3mm x 1.3mm	0.7mm x 0.7mm (interpolated)		1.8mm x 1.8mm (interpolated)
FOV/acquisition matrix	375mmx500mm / 432x768	352mmx470mm / 360x640		287mmx460mm / 160x256
Number of stations (whole-body / pelvis)	5/1	5/1		5/2
Coverage in z-axis per station	375mm	353mm		228mm
Acquisition time per station	1min 43s	1min 7s		2min 49s
Parallel imaging	GRAPPA (Ac.-f. 2)	GRAPPA (Ac.-f. 3)		GRAPPA (Ac.-f. 2)
TR/TE/NSA	528ms/8.4ms/1	3650ms/56ms/1		5130ms/64ms/1
Flip angle	150°	140°		90°
Fat suppression technique	-	slice-selective IR (TI=160ms)		slice-selective IR (TI=180ms)
B-values	-	-		b values: 50/800 s mm <sup>-2</sup>

Abbreviations: TSE: turbo spin echo; STIR: short-TI inversion recovery; DWI: diffusion-weighted imaging; EPI: echo-planar imaging; iShim: integrated slice-specific dynamic shimming; FOV: field of view; GRAPPA: Generalized Auto-calibrating Partially Parallel Acquisitions; Ac.-f.: acceleration factor. TR: repetition time; TE: echo time; NSA: number of signal averages; IR: inversion recovery, TI: inversion time.

**Supplement Figure 1:** Bland-Altman plots for mean T2-TSE and DWI (b50) signal intensity.

