

Supplementary Table 1.

MRI Protocol for Whole-Body PET/MRI

Parameters	Diffusion-weighted Imaging	Proton density fat fraction	T1-weighted Imaging	T2WI-weighted Imaging
Sequence type	Single-shot spin-echo EPI	IDEAL-IQ	LAVA-Flex	SSFSE
FOV (mm)	576 x 345	500 x 300	500 x 400	500 x 300
Matrix size	128 x 128	256 x 192	300 x 200	384 x 256
No. of slices	40	34	120	40
Slice thickness (mm)	6	6	4	6
Overlap (% of slice thickness)	0	0	50	0
TR (ms)	5000	7.1	4.4	1600
TE (ms)	61	0.9-5.3 (6 echoes)	1.3, 2.2	80
Bandwidth (kHz)	250	111.11	142.86	83.33
Flip angle (°)	90	3	12	90
NEX	4	0.75	1	1
Fat suppression	STIR	NA	NA	NA
b Values (s/mm ²)	0, 800	NA	NA	NA
Parallel acquisition	Asset 2	Asset 2	Asset 2	Asset 2
No. of beds	5-6	5-6	5-6	5-6
Acquisition time per bed (min:sec)	2:30	0:20	0:13	1:03

Supplementary Table 2.

Cytopenia without hematological malignancy

Anemia (iron or vitamin B12 deficiency)	3
Autoimmune disease	2
PRCA	2
ITP	1
Liver disease	1
Unknown	6

PRCA, pure red cell aplasia; ITP, immune-mediated thrombocytopenia

Supplementary Table 3.

MDS classification according to WHO 2018.

MDS with single lineage dysplasia	6
MDS with multi lineage dysplasia	7
MDS with isolated del(5q)	1
MDS with excess blasts (EB1/EB2)	13