SUPPLEMENTARY ONLINE FIGURES

Figure S1. A representative example of high-signal artifacts on the brain surface of synthetic FLAIR images (A) in a 42-year-old woman with MS. A high signal intensity is seen on the brain surface (white arrows) on synthetic FLAIR (A) but not on conventional FLAIR images (B). The overall image quality of synthetic and conventional FLAIR was scored as 3 and 5, respectively, by two neuroradiologists.

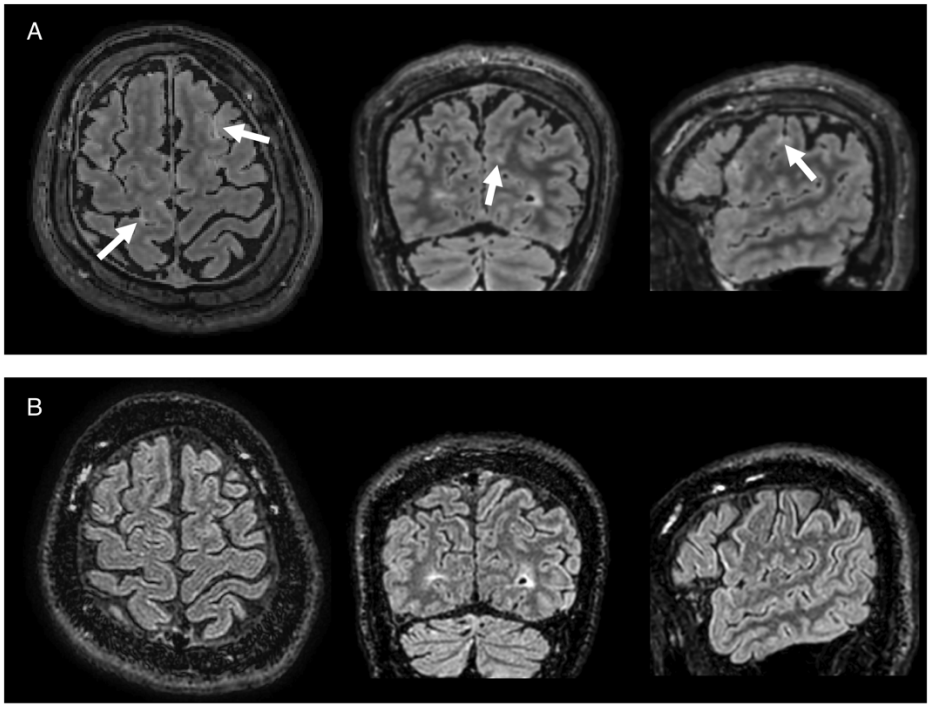

Figure S2. A representative example of high-signal artifacts on the brain surface of synthetic DIR images (A) in a 57-year-old woman with MS. High signal intensity is seen on the brain surface (white arrows) on synthetic DIR (A) but not on conventional DIR images (B). Although these artifacts would be easily identified by checking other cross sections, they could possibly mimic subpial lesions. The overall image quality of synthetic and conventional DIR was scored as 3 and 4, respectively, by two neuroradiologists.

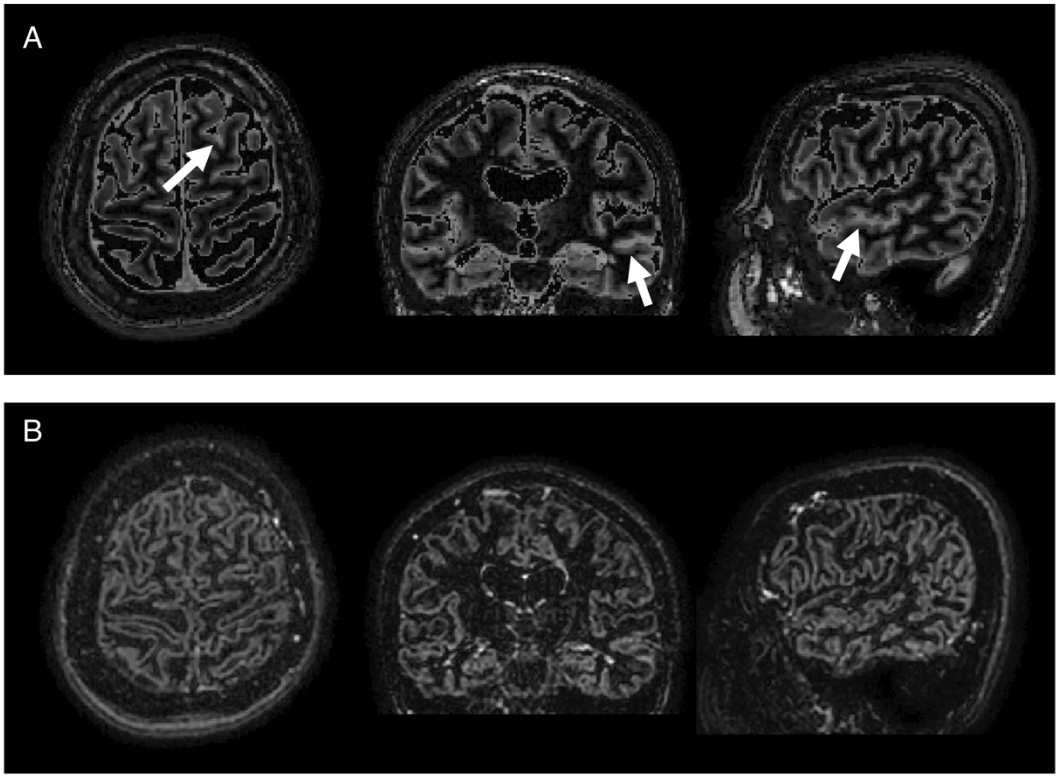

Figure S3. A representative example of ringing artifacts on synthetic images in a 37-year-old woman with MS. Ringing artifacts (white arrows) are seen on synthesized images (A) and original images of 3D-QALAS (B). The overall image quality of synthetic T1WI, T2WI, FLAIR, DIR, and PSIR were scored as 4, 3, 3, 4, and 4 by reader 1, and 5, 4, 4, 4, and 5 by reader 2. Acq, acquisition; DIR, double inversion recovery; PSIR, phase-sensitive inversion recovery.