
Canon Medical's Compressed Speeder MR Technology Helps Clinicians Reduce Scan Time



MR TECHNOLOGY ACCELERATES SCAN TIME BY UP TO 4 TIMES FOR IMPROVED PATIENT EXPERIENCE

Physicians can now scan faster while maintaining MR image resolution with Compressed SPEEDER technology from Canon Medical. Scan times in MRIs have historically been a challenge in clinical practices, where shorter scan times are typically associated with lower resolution or decreased signal-to-noise ratio (SNR). To reduce acquisition time while maintaining image quality, Canon Medical's innovative Compressed SPEEDER supports high acceleration and can be used to avoid artifacts.

Available on the [Vantage Galan 3T](#) and [Vantage Vantage Orian 1.5T](#), the technology speeds up MRI scan times by up to four times by reconstructing full resolution images from highly under-sampled data. The technology provides exceptional image quality and has great potential to help clinicians improve productivity. Reduced scan times also enhance patient comfort, which in turn produces higher quality images by mitigating patient movement caused by patient discomfort during long scans.

"In advanced imaging, generating high quality images and shortening scan times are paramount to success for both the patient and physician," said Thierry Munier, Senior Manager of the MR Business Unit, [Canon Medical Systems Europe B.V.](#) "With the help of this new advanced imaging technology and Canon Medical's innovative MR systems, health care providers can produce high resolution images, while providing a quick and comfortable exam experience for their patients."

Canon Vantage Orian 1.5T MR spine without and with Compress SPEEDER

Canon Medical's Compressed SPEEDER (CS) imaging technique can accelerate scan times for FSE imaging across the whole body. This unique imaging approach enables high-speed imaging up to four times the current scan speeds while maintaining excellent image performance. The Compress SPEEDER T2 lumbar spine image on the right was acquired using CSx4 setting in 0:57 seconds while the image on the left was acquired with standard T2 acquisition in 3:22.

For more information about Canon Medical's MR portfolio including Compressed SPEEDER click [HERE](#).

Published on : Thu, 23 Apr 2020