Mobilizing the power of networks with Deep Resolve

siemens-healthineers.com/deepresolve

Artificial intelligence (AI)-based reconstruction is the next chapter in the digital future of magnetic resonance imaging. With Deep Resolve, Siemens Healthineers applies AI to image generation, thereby simplifying and speeding up the workflow. This could increase the accuracy of diagnosis and serve the goal of expanding precision medicine through digitalization. Deep Resolve enables boosting efficiency while improving patient comfort by acquiring sharper images, faster.

• Deep Resolve, with Deep Resolve Gain and Deep Resolve Sharp, is an advanced reconstruction technology that increases image sharpness and scan speed based on deep neural networks and innovative MR noise reduction technique.

• Digital innovation in healthcare requires open minds and an open space for fresh approaches to challenges. Deep Resolve is designed with a developer-friendly open interface for co-creation and knowledge exchange with partners.

Original
MAGNETOM Vida, 3T
PD TSE, TA 1:50 min, Matrix size: 358 x 448

Deep Resolve Gain & Sharp
MAGNETOM Vida, 3T
PD TSE, TA 1:50 min, Matrix size: 717 x 896
Original
MAGNETOM Altea, 1.5T
PD TSE, 2 Av, TA 2:40 min, Matrix size: 358 x 448

Deep Resolve Gain & Sharp
MAGNETOM Altea, 1.5T
PD TSE, 1 Av, TA 1:38 min, Matrix size: 717 x 896

38% faster

Original
MAGNETOM Vida, 3T
PD TSE fs, 2 Av, TA 3:33 min, Matrix size: 307 x 512

Deep Resolve Gain & Sharp
MAGNETOM Vida, 3T
PD TSE fs, 1 Av, TA 1:50 min, Matrix size: 608 x 608

48% faster

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