



"...Early, accurate diagnosis of orthopedic patients is sometimes even more important than treatment. Faster, more precise diagnoses lead to significant morbidity and mortality reduction and lower costs for the health care systems as well as the patients."¹

Exceptional Detail for Orthopedic Imaging

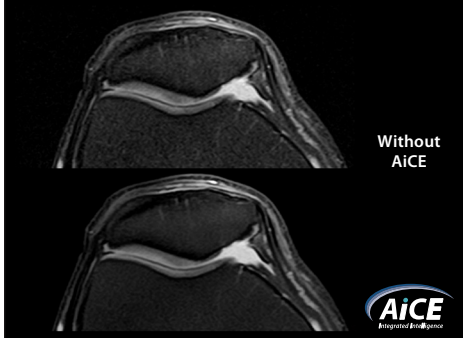
"AiCE is a very great technology. It increases SNR-Signal to Noise Ratio, so that we can **shorten** the image **scanning time** and get...**clinically beautiful** images."²

— Dr. Hikaru Fukutomi, Radiologist
University of Bordeaux,
Bio Imaging Institute, France



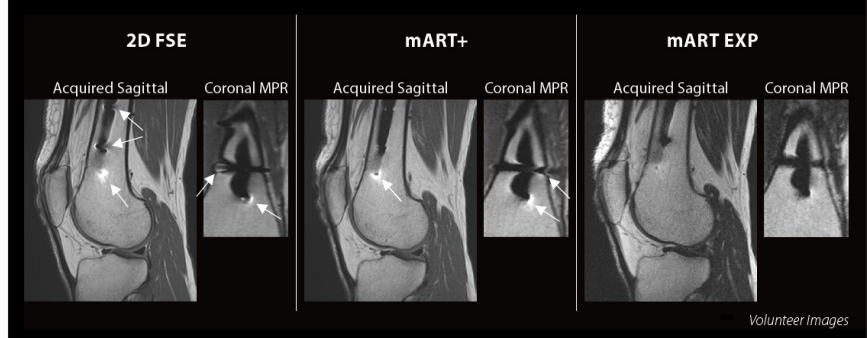
High resolution and detail for diagnostic confidence

Artificial Intelligence for MR³



- Intelligently removes noise
- AiCE (Advanced intelligent Clear-IQ Engine) provides sharp, clear and higher signal-to-noise ratio (SNR)⁴
- Enhanced anatomical detail for orthopedic and MSK imaging

Advanced Metal Artifact Reduction



mART+

- Technique that expands mART to include View Angle Tilting (VAT) to further reduce metal related artifacts caused by metallic implants

mART EXP^{3,5}

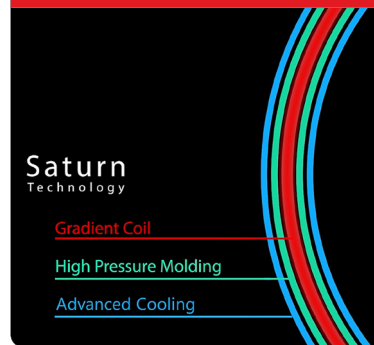
- Our most advanced metal artifact reduction, mART EXP builds from mART+ to utilize a 3D method that resolves in-plane and through-plane distortion artifacts to reduce metal artifacts in the slice direction

Adaptive Coil Technology



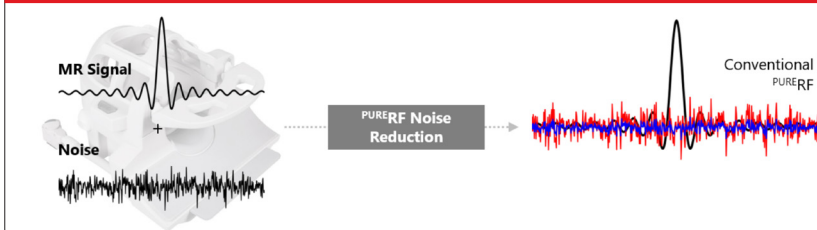
- Coils designed for exceptional image quality, patient comfort and ease of use
- Adaptive coil positioning-coils mold to the anatomy
- Shape coils acquire high-quality images by being firmly attached to a variety of body regions

Saturn Gradient Technology



- Mechanical and thermal stability
- Reduced vibrations for sharper images
- Stable image quality and fat suppression

PURERF Technology



- Employs a proprietary algorithm that detects and reduces noise to increase signal-to-noise ratio (SNR) up to 38% for enhanced image quality

¹ Ashkani, MD, S. (2021, January 4). Artificial intelligence improves orthopedic diagnosis. Mass General Advances in Motion. <https://advances.massgeneral.org/ortho/article.aspx?id=1330>

² The clinical results, performance and views described are the experience of the clinicians. Results may vary due to clinical setting, patient presentation and other factors.

³ Optional

⁴ AiCE provides higher SNR compared to typical low pass filters

⁵ Requires the optional AiCE (DLR) reconstruction box

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