



## PRESS RELEASE

### **MROPEN EVO AT RSNA24: MRI SCAN TIME REDUCED UP TO 50% AT EQUAL QUALITY IMAGE.**

*Genoa, December, 1<sup>st</sup> 2024* - Unlocking the future of joint and spine imaging with the latest evolution of MROpen EVO, the only truly open MRI system at RSNA24.

Discover the new features of MROpen EVO — a revolutionary MRI system specifically designed for joints, neuro and spine imaging and able to comfortably welcome children, larger and claustrophobic patients.

Thanks to this evolution and overall optimization of several technical key features - all FDA approved - the latest version of the Helium-free MgB<sub>2</sub> based MRI scanner, provides equal quality image and a scan time reduced up to 50%.

The new image acquisition algorithm based on the Compressed Sensing technique merges parallel imaging concepts with sparse data sampling and iterative reconstruction to shorten scan time and to improve resolution. The technique can be used in 2D and 3D sequences for all anatomies.

Imagine having the power to provide unparalleled diagnostic insights while also expanding your referral base in orthopedic and orthopedic sports surgery. How would the chance to perform weight-bearing MRI scans transform your practice and improve patient outcomes?

Having reduced the acquisition time, the routine spine protocol, for example, can be performed in only 12 minutes in either sitting or supine position, allowing to scan 3 patients per hour with the best MRI experience.

3D scans benefit of higher scan-time reduction. The isotropic 3D-T1 scan of the brain with a voxel size of 1.3mm can be completed in 4 minutes.

Thanks to the increased productivity and the benefit given by the open access scanner, MROpen EVO meets the expectations of clinicians for an easier management of special-needs and claustrophobic patients.

With MROpen EVO, diagnostics centres are not just investing in advanced technology, but they are opening the door to new revenue streams.

Scott Boulas, Country Manager of ASG Superconductors USA, declares *"In my discussions with Healthcare Administrators and Radiologists across North America, there is a growing interest and enthusiasm for MROpen EVO's unique capabilities. The growing movement is to complement other high field MRI assets especially in MSK and complex Ortho cases. I am sensing a ground swell of confidence in our technology."*

Join us @RSNA24, Chicago, South Hall, Booth2554 to experience MROpen EVO firsthand. Engage with our experts and discover how you can integrate this state-of-the-art MRI into your practice.

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**MRI SCAN TIME REDUCED UP TO 50% AT EQUAL QUALITY IMAGE.**

Thanks to this evolution and overall optimization of technical key features, the latest version of the cryogen-free MgB2 based MRI scanner, provides equal quality image and a scan time reduced up to 50%.

**BEFORE**  
3'35"  
Voxel 1,1x1,3x5

**LUMBAR SPINE - SAGITTAL FSE T2**

**AFTER**  
2'50"  
Voxel 0,9x1,1x5



**MRI SCAN TIME REDUCED UP TO 50% AT EQUAL QUALITY IMAGE.**

Having reduced the acquisition time, the routine spine protocol, for example, can be performed in only 12 minutes in either sitting or supine position, allowing to scan 3 patients per hour.



**BEFORE**  
5'00"  
Voxel 1,15x1,3x5

**LUMBAR SPINE - SAGITTAL FIR PD**

**AFTER**  
4'30"  
Voxel 1x1,15x5

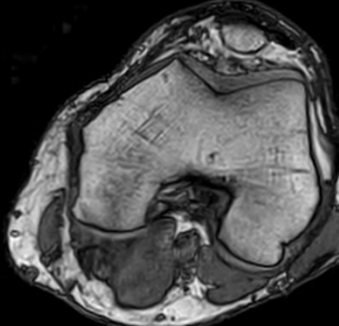
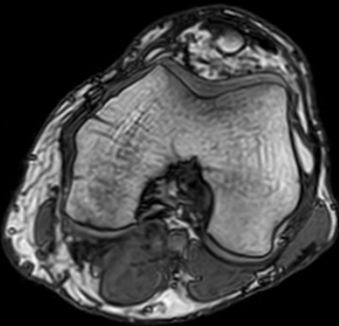


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## MRI SCAN TIME REDUCED UP TO 50% AT EQUAL QUALITY IMAGE.

The new image acquisition based on the Compressed Sensing technique merges parallel imaging concepts with sparse data sampling and iterative reconstruction to shorten scan time and to improve resolution. The technique can be used in 2D and 3D sequences for all anatomies.



**BEFORE**  
4'20"  
Voxel 1x1x1

**KNEE – AXIAL STSS 3D**

**AFTER**  
2'35"  
Voxel 0,85x0,85x1



## TRANSFORMING JOINT AND SPINE IMAGING: THE MROPEN EVO REVOLUTION

As the field of medical imaging evolves, radiologists and health administrators seek innovative solutions to enhance patient care, financial benefit and operational efficiency. One groundbreaking advancement is the MROpen EVO—an MRI system designed specifically for complex joint and spine imaging. This cutting-edge technology promises to redefine orthopedic diagnostics, offering both clinical and financial benefits that are hard to ignore.



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## UNLOCKING NEW POTENTIAL

MROpen EVO unique design accommodates weight-bearing MRI scans, setting it apart from conventional systems. Imagine the possibilities: patients can undergo scans while standing, leading to more accurate assessments of joint function.

### WHAT DOES THIS MEAN FOR YOUR PRACTICE?

The ability to perform weight-bearing MRIs not only enhances diagnostic capabilities but also opens the door to increased referrals in orthopedic and sports surgery.

### IT ALSO IS CLEARLY PREFERRED FOR CHILDREN, FEARFUL PATIENTS AND LARGER PATIENTS.

Radiologists equipped with this advanced technology can provide invaluable insights that may lead to better treatment decisions, attracting a broader range of patients and specialists.



## FINANCIAL OPPORTUNITIES

In addition to its clinical advantages, the MROpen EVO presents significant financial opportunities. One of its standout features is the ability to bill for a second MRI in certain complex joint scans. This means your practice can potentially increase its revenue streams while delivering exceptional patient care.

As healthcare providers face mounting pressure to optimize costs while maintaining high-quality care, the MROpen EVO stands out as a viable solution that balances these demands.

### BY INTEGRATING THIS ADVANCED MRI INTO YOUR FACILITY, YOU'RE NOT JUST INVESTING IN TECHNOLOGY, YOU'RE ENHANCING THE OVERALL VALUE OF YOUR SERVICES.

