



FIRMM software solves the problem of patient motion in functional brain MRI, without additional hardware, to ensure neurosurgical planning, and advanced clinical diagnosis can be accomplished with the greatest accuracy for all patients. **We have solved the problem of motion in functional MRI today, and all of MRI tomorrow.**

About NOUS Imaging

NOUS Imaging is a transformational medical imaging software company developing unique solutions in the MR space. Our applications are poised to revolutionize the way MR images are acquired and utilized in adult and pediatric patients.

The NOUS mission is to deliver cost-effective imaging enhancements, establish next-generation data analytics, and create a new patient-centric experience in the MR suite.

The Problem

- › Motion, even when smaller than fractions of a millimeter, remains one of the biggest problems for MR imaging.
- › ACR study concluded that \$115,000 a year is lost per scanner. NOUS Imaging research has revealed that as much as 50% of brain scans in children are corrupted by motion.

The Solution

FIRMM (Framewise Integrated Real-time MRI Monitoring)

- › The FIRMM, cameraless software-only solution efficiently imports MR images, analyzes them, and displays motion information in real-time, enabling the operator and patient to reduce motion.
- › Live stream DICOM to FIRMM computer; Align images & calculate motion; Display motion data to the operator; Feedback motion data to patient – reducing movement





Tablet Specs

The FIRMM software is provided pre-installed on a high-performance medical-grade tablet for a simple turn-key setup.

- › Medical DT-313T-MD tablet computer
- › 13.3" touchscreen display
- › w/Intel Core i7 processor
- › 1TB SSD Disk
- › 16GB DDR RAM
- › Installation support (remote)

Biofeedback Options

In-bore visual display of motion cues to encourage patients to remain still:

- › Support for a wide range of video display sizes and resolutions.

Competitive Advantage

FIRMM targets motion at its source, the patient, without the need for in-bore cameras or fiducial trackers on the patient.



Features

FIRMM, an all-inclusive, patient-centered motion solution, allows operators to

- › View patient movement in real-time
- › See the quality of your data at a glance
- › Project patient-oriented biofeedback to promote motion self-regulation





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Feature 1

View patient movement in real-time.

Feature 2

See the quality of your data at a glance.

Feature 3

Project patient-oriented biofeedback to promote motion self-regulation.

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