

The Impact of Sound Imaging Revolutionary MRI Camera System on Patient Safety and Imaging Cost

Sound Imaging

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1. Patient Motion; A Serious Challenge for Imaging Departments

According to a recent study published by American College of Radiology, retaking MRI Scans due to patient motion can cost a hospital approximately \$115,000 per scanner every year. In this research, Jalal B. Andre, MD, at Washington University studied a total of 192 exams and 1,238 sequences, which of 727 and 203 contained minimal sequences and moderate/severe sequences respectively. As it is understood, regardless of financial impacts of patient motions during scans, low quality MR images can adversely affect reading exam and result in suboptimal radiologic interpretations.



Therefore, leaving patient motion uncorrected results in;

- Reduce Resource Efficiency
- Inconvenient Workflow
- Reduce Patient Care

To fix the negative impact of patient motion, improve patient safety and positively enhance workflow, healthcare providers need to invest in [MRI systems](#) and software packages that detect and correct motions during MR examinations.

2. SAMM System; Our Software Solution to Reduce Motions

The Safety and Movement Monitoring System ([SAMM System](#)) is a revolutionary MRI Camera System which allows a technologist to easily monitor the MRI patient while inside the magnet.

Our patient observation system utilizes one or more HD video cameras, which can be mounted on any wall in the magnet room. The entire patient observation system is RF shielded and filtered to remove any unwanted image artifacts. The live feed from the [MRI video camera system](#) is then sent to a high-resolution LCD monitor inside the operator room which delivers excellent video every time.

As a key part of the scanning process, SAMM allows [Technologists](#), [CFO's](#) and [Site Engineers](#) to ensure that patient scanning is as optimized as expected.

For more information watch <https://www.youtube.com/watch?v=XddM-jLZtM> or call 866-530-7850.



2.1 Benefits Overview

To make sure that your scanning process is productive, we at Sound Imaging Inc. introduce SAMM System, a revolutionary MRI Camera System to help reduce patient motions. All scans can be recorded with a DVD option that can also reduce your liability risk. The SAMM System is included with a HD Monitor, [HD Video Camera](#) with mount, Noise Isolation Filter, Camera Power Supply, Cables and Connections and Manuals. This MRI Camera System has already helped other imaging facilities including SHARP Hospital, Rady Children's Hospital San Diego, UC San Diego Hospital and many more.

Other options and accessories of the SAMM System are

- Live Video Recording
- Dual Monitors

Add Up to 4 Video

- Cameras
- Custom Systems Available
- Several Different Display Mounting Options



2.2 Benefits of SAMM System to Technologists

SAMM is a key part of the scanning process, allowing Technologists to

- Reduce in motion artifacts caused by patient movement
- Improve patient safety in MRI Scans
- Allows technologists to be virtually 4 feet from patients and be promptly ready for the next scan
- Have a more convenient and work friendly viewing atmosphere



2.3 Benefits of SAMM System to CFOs and Radiologist Managers

SAMM has is a key part of the scanning process, allowing CFOs and Radiologist Managers to

- Monitor Technologists to provide feedback & additional training
- Have an option to record everything happening in the bore



2.4 Benefits of SAMM System to Site Engineers

SAMM is a key part of the scanning process, allowing MRI Site Managers to

- Have a High-quality camera system that does not interfere with imaging
- Easily install or request our professional Sound Imaging team install the system
- Nationwide installation



3. How to Pre-Order Your SAMM System at Sound Imaging Inc.

For over 20 years, Sound Imaging has been the leader in providing low cost MRI parts, coils, accessories and [MRI systems](#) for both mobile and fixed sites. Sound Imaging offers affordable MRI imaging solutions and is [one-stop shop](#) for all your MRI needs! Sound Imaging [MRI equipment](#) increases patient safety and comfort as well as decreasing patient motions and anxiety during MRI scans.

Our mission is to make healthcare affordable. We do this for healthcare providers by offering low cost and high-quality MRI equipment, services and systems. For more information about how to order SAMM System, you can email or [call our expert sales team](#) and they will provide you with the best systems and solution that fit your business needs.