



## MRI Passport

*Magnetic Resonance Imaging | Information Systems | Medical Devices | Patient Safety*

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**University of Pittsburgh Health Informatics students have developed an innovative information management approach to pre-MRI screening for implanted medical devices.**

*Metals in implanted medical devices may interact with MRI fields, causing device movement or damage, injury and death. MRI Passport improves screening for implants by addressing existing information exchange issues with a proprietary strategy for aggregating device information from multiple sources. Unlike existing resources, MRI Passport offers patient-specific device identification across manufacturers and functions, providing earlier access to streamlined information vital to pre-MRI screening.*

### Indications

- Scheduling MRI services
- Clearing patients prior to MRI scans
- Post-marketing surveillance of medical devices

### Advantages

*MRI Passport offers a seamless search experience that reduces scheduling delays and MRI magnet downtime due to implanted medical devices. By eliminating the need for radiology team members to navigate multiple databases and providing patient-linked implant information with MRI safety labeling, MRI Passport will increase patient safety and satisfaction, reduce diagnostic delays, minimize financial losses from magnet downtime and technologist staffing, and increase operational efficiency in radiology departments. MRI Passport's unique features address critical challenges in MRI scheduling, patient clearance, and post-marketing surveillance of medical devices, making it an indispensable tool for the MRI suite and beyond.*

### Invention Readiness

*Wireframe mock-ups are completed for both health-systems user interface and patient application interface. MRI Passport is ready to identify a health-system partner for initial customization to demonstrate technological feasibility and estimate operational savings, ensuring readiness for market implementation at scale.*

#### IP Status:

Innovation Disclosure filed 2/6/2024 ID #06628

#### Innovation Team

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