

THE SWOOP[®] SYSTEM



SWOOP 

AI-POWERED
PORTABLE MRI

This informational material is for healthcare professionals (HCPs) only.

THE SWOOP[®] SYSTEM

BRINGING BRAIN IMAGING TO THE PATIENT

The Swoop system is an AI-powered portable MRI system that uses a magnet with a fraction of the field strength found in conventional MRI, so it can be brought to the patient's bedside and used in almost any clinical setting





Powered by **OPTIVEAI**™

ACTIONABLE IMAGES WHEN AND WHERE YOU NEED THEM

The Swoop system provides diagnostic-quality imaging, helping clinicians make timely, informed clinical decisions





OPTIVE AI™

Optive AI software brings advanced, AI-driven image reconstruction to ultra-low-field MRI—unlocking clearer images at lower field strengths

By reducing noise and blur with deep learning, it enhances image clarity and uniformity to support confident diagnoses at the point of care

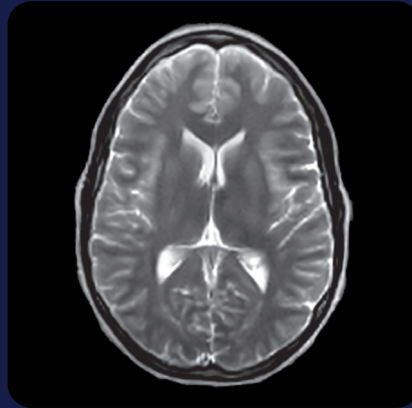
**PUTTING AI-POWERED PORTABLE
IMAGING IN YOUR HANDS**

SWOOP® SYSTEM SEQUENCES

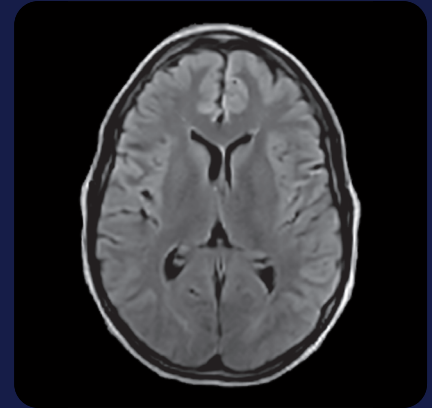
T1 Standard
T1 Gray White
T2
Fast T2
FLAIR
Fast FLAIR
DWI
Single-Direction, Fast DWI

CONTINUOUSLY ADVANCING ULTRA-LOW- FIELD IMAGE QUALITY

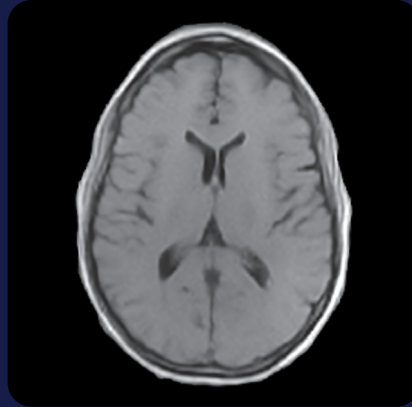
Optive AI software will continue to evolve, delivering progressively better image quality over time



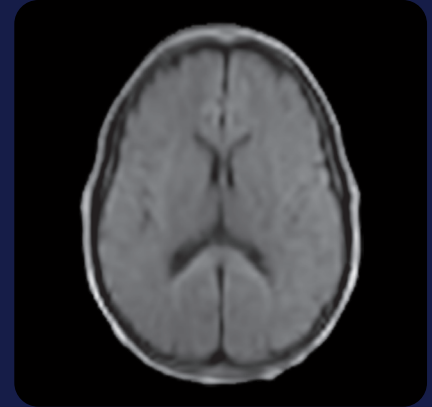
T2



FLAIR



T1 (Standard)



DWI

The T1, T2, and FLAIR sequences are available in the axial, coronal, and sagittal planes





FROM SETUP
TO SCAN
—SIMPLIFIED
EVERY STEP
OF THE WAY

**ENGINEERED FOR SMOOTH
TRANSPORTATION**

Fits through most hospital and
clinic doors and elevators

Ergonomic joystick for
swift maneuvering

AND STREAMLINED SET UP

Plug the retractable cord into a
standard wall socket

Begin scanning within three
minutes of plug-in

No additional shielding
requirements

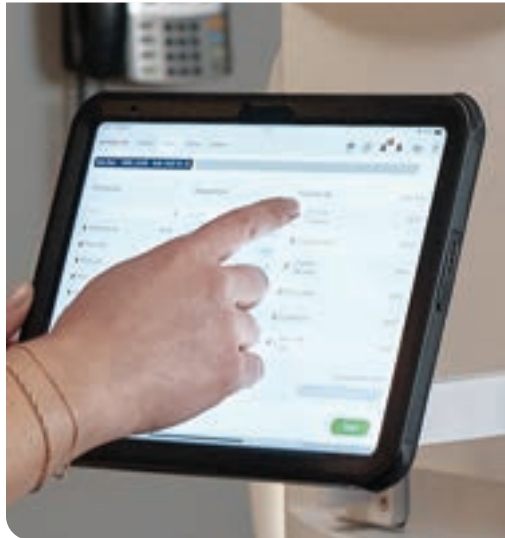
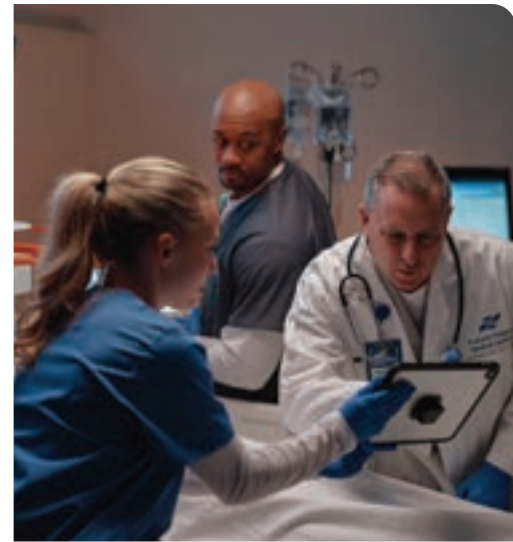
OPTIMIZED FOR THE WAY YOU WORK

Versatile Viewing: Mounted iPad® mobile digital device is removable for hands-free viewing or on-the-go use

System Integration: Swoop system securely connects with hospital systems, receiving exam orders and sending images to PACS

Patient Positioning: Positioning aids help optimize patient stability and comfort

Storage Solution: Drawers hold accessories for convenient, clutter-free storage



DESIGNED FOR STRAIGHTFORWARD SCANNING

Guided Process: Intuitive interface guides users through scanning steps

Broad Usability: User-friendly system can be operated by any trained healthcare professional—does not require an MR technologist*

Precision Positioning Assistance: Advanced software delivers real-time feedback to optimize patient positioning, enhancing image quality and accelerating setup

* Requirements vary by state and institution

PATIENT-FRIENDLY DESIGN

Designed to make imaging safer and less intimidating

OPEN ARCHITECTURE

Generous head coil and patient opening allow easy access for diverse patients

SPACIOUS DESIGN

Head-only configuration minimizes enclosure

QUIETER OPERATION

Substantially quieter than conventional MRI

REAR-ACCESS DOORS

Back doors improve access during patient positioning and treatment





Family and caregivers can stay by the patient's side during the scan

**DESIGNED TO REDUCE PATIENT ANXIETY
AND ENHANCE COMFORT**



NO IONIZING RADIATION

Better option than CT for patients who need repeated imaging, such as children with hydrocephalus

ULTRA-LOW-FIELD MAGNET

Makes imaging possible for more patients

IMAGING WITHOUT THE INFRASTRUCTURE

Eliminates additional shielding requirements, delivering imaging capabilities where conventional MRI is unavailable or impractical

Convenient in clinics

Ready when needed in the emergency department

Accessible in remote locations



ENABLES SAFE, EFFECTIVE IMAGING

Opens up valuable imaging options for patients who are ineligible or poor candidates for high-field MRI



CRITICALLY ILL PATIENTS

Allows patients to stay connected to IV lines, ventilators, and ICU monitoring equipment

Enables valuable imaging for patients who cannot be transported

PATIENTS WITH METAL CONSIDERATIONS

Minimizes metal-induced artifacts, making it an excellent option for patients with braces or certain implants

NO PROJECTILE RISK



TOUCH SCREEN CONTROLLER WITH MOVABLE MOUNT

Operated wirelessly via an Apple® iPad® mobile digital device mounted on an articulating arm and fully detachable for flexible use

POWER DRIVE WITH JOYSTICK

Maneuvers easily through crowded spaces and doorways

RETRACTABLE POWER CORD

Features a 4.6-metre power cord that plugs into a standard electrical outlet and retracts for easy, clutter-free storage

MAGNET AND ELECTRONICS DESIGNED TO MAXIMIZE SIGNAL-TO-NOISE RATIO TO OPTIMIZE IMAGE QUALITY

5 GAUSS GUARD

Clearly delineates the 5 gauss zone with quick expansion and bilateral deployment for storage

RF SHIELD

Partially blocks external electromagnetic interference, eliminating the need for additional shielding while front and rear doors allow easy access

HEAD COIL

8-channel receive/1-channel transmit head coil encased in durable, easy-to-disinfect polycarbonate plastic

PATIENT BRIDGE

Integrated transfer bridge facilitates easy bedside patient loading and folds up for compact storage



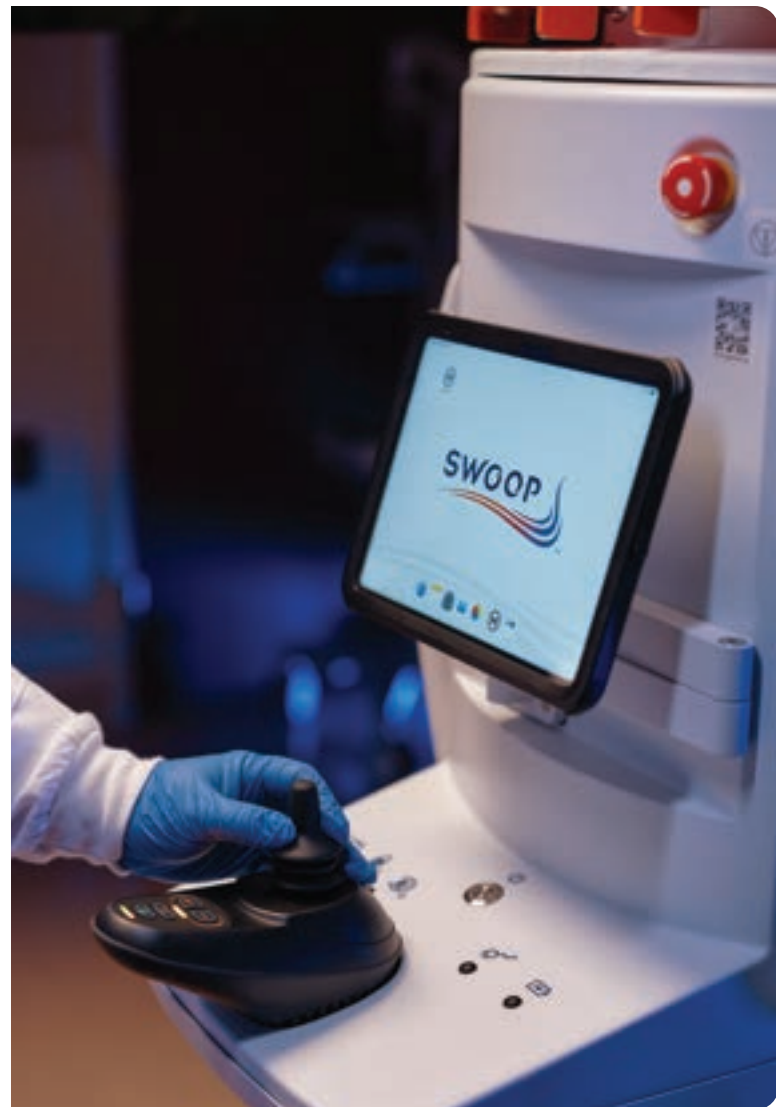
PRODUCT FEATURES AND SPECIFICATIONS

Magnet Strength	0.064 tesla
Peak Power	950 watts (compatible with standard outlet)
Dimensions	145 × 81 × 145 cm (H × W × D)
Gauss Guard	170 × 132 cm (H × W)
Imaging Bore Size	13 x 26 in. (max 36.4 in. at the shoulders)
Weight	Approx. 635 kg
Tablet	11-inch Apple® iPad®



MORE SUSTAINABLE MR IMAGING REDUCES ENVIRONMENTAL FOOTPRINT

- Low power usage (approximately the same as toaster)
- No helium needs





HYPERFINE®

Swoop system availability varies by country and region.
Check with a Hyperfine representative to learn more.

Indications for Use: The Swoop® Portable MR Imaging® System is a portable, ultra-low field magnetic resonance imaging device for producing images that display the internal structure of the head where full diagnostic examination is not clinically practical. When interpreted by a trained physician, these images provide information that can be useful in determining a diagnosis.

[HyperfineMRI.com](https://www.hyperfineMRI.com)

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