

CONFIDENTIAL - Radiology Department

Date: 2026-03-15 | Author: Dr. Gregory House

RADIOLOGY DEPARTMENT ? EQUIPMENT STATUS REPORT

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NEW MRI MACHINE ? OPERATIONAL STATUS: FULLY OPERATIONAL

The Siemens MAGNETOM Vida 3T MRI system was successfully installed and calibrated on February 28, 2026, passing all safety inspections and receiving certification from the state Department of Health. The machine has been fully operational since March 1, 2026.

PERFORMANCE METRICS:

- Average daily scan volume: 48-52 patients per day
- Average scan duration: 32 minutes (compared to 45 minutes on our old 1.5T unit)
- Image quality ratings: Consistently rated "Excellent" by our radiologists
- Equipment downtime: Zero unplanned downtime since commissioning
- Patient satisfaction with MRI experience: 4.6/5.0

BACKLOG REDUCTION:

The previous MRI waitlist of 847 patients has been reduced to 210 patients as of March 15, a 75% reduction in just two weeks. We project full backlog clearance by April 10 at current throughput rates. Urgent and emergency MRI requests are now being fulfilled within 4 hours of order placement, compared to the previous 24-48 hour wait.

FINANCIAL IMPACT:

The new system has enabled us to eliminate \$42,000/month in outsourced MRI referrals to neighboring hospitals. At current utilization rates, the machine is generating approximately \$185,000/month in revenue, putting us on track for a return on investment within 18 months, ahead of the projected 24-month timeline.

STAFF TRAINING:

All 8 MRI technologists have completed manufacturer certification on the new system. Three technologists have also completed advanced cardiac MRI training, enabling us to offer cardiac stress MRI for the first time in our hospital's history.

Prepared by: Dr. Gregory House, MD
Chief of Radiology