

MR Inspection Report

Client/Site Info

Customer	Digit Systems
Location	Backus Hospital 326 Washington St, Norwich, CT 06360
Date:	05.29.2026

System Status

The system has no deficiencies. The image quality test resulted in no differences from required reference values	☒
The system/component has slight deficiencies that have no effect on continued operation of the system. However they should be corrected preventively. The image quality tests resulted in no differences from required reference values	☐
The equipment has significant problems, some of the functions are completely or periodically inoperative. Operation of the device with limitations in operation is possible. Needs urgent repair, in order to avoid complicating the repair.	☐
The equipment has significant malfunctions that are not compatible with the operation of the device or further operation of the device will cause serious damage to its systems.	☐

System Info

Manufacturer and model	Siemens Magnetom Avanto 1.5T
System model no.	07391167
System serial no.	27172
System YOM	2009
Gradient type	K2259/1500V/550A
Number of Channels	18ch
Last TALEs replacement	N/A
Password present/valid till	1X4BP-Q9GYT-QEN18-VXFHC-U7Q6A-5H2UF-WKSY8-RY5TE-JRTTB-1H3PQ-4PKKP-S 7Z78-FMMYZ-RHTD7-1SE3F-Q5D81-X2RE9-WU76X-M7CQU-W3466-4VV8A-6HS48 -G4VP1-XYG4Q-P423G-EQ1F4-E8X47-J6D3S-8A97K-6HXX1-8QDTU-CJ1R1-57E86-F 9C2X-V8WCW-9PHYY-PKC6P-EBUC6-6CT57-BKM2S-W4SZW-NNV2R-M4FG1-CPW8 M-WBMRS-54NNE-NF5G4-9QZWB-1J1BY-6JSXR-1KZRE-SST9S-R4NFU-QNT79-5WT TD-T618G / Expiry Date: 20261029

Magnet Info

Magnet YOM	2009
Magnet model no.	OR105
Magnet serial no.	10109326
Current helium level	46.9%
Magnet pressure	15.3psi

Shield temperature	42K
Field current	510Amps

Cooling System Info

Compressor model no.	1P10121435 (Sumitomo F-70H)
Compressor YOM	10 / 2012
Compressor running hours	89287.7h
Compressor pressure level	21 bar
Last adsorber replacement	N/A
Cold-head model no.	RDK-408L3
Cold-head YOM	OCT.2018
Last cold-head replacement	N/A

Patient Table Info

Table model no.	K2253_Basic
Table YOM	2009
Positioning pads incl.?	Yes

Console and workstation

Console model no.	11513624	HW Z4G4 4C 3HDD																																																																																																																																														
Console software version	VB19																																																																																																																																															
Console software options	<table><tr><th>Feature</th><th>Version</th><th>Start Date</th><th>Expiration Date</th></tr><tr><td>N11Spectroscopy</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>CAP3D_FILTER_MP</td><td>40.100</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>CAP3D_FILTER_SSD</td><td>40.100</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>CAP3D_VOIMODE</td><td>40.100</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>CAP3D_MAIN</td><td>40.100</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>GET_WORKLIST</td><td>40.100</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MRI_ARGUS_MAIN</td><td>4.01</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_SpecCsi</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MR_AdvNeuroPerfEval_Pro</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MR_AdvNeuroPerfEval</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MR_SpecPostProc</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_PAT_Advanced</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_AdvFuncNeuro</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MPPS_SUPPORT</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>Q_Gradients</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_Diffusion</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>Tim_8</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>Tim_18</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_TimApplication</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_MatrixMode</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N11Adv3D</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>SYNGO_GENERAL_LICENSE</td><td>43.1</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MR_LicenseUSA</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MR_DIS3D</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_InlineDIS3D</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_SWI</td><td>1.0</td><td>17-sep-2009</td><td>permanent</td></tr><tr><td>N_BLADE</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MRI_CV_MAIN</td><td>1.1</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_Dynamic3D</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_IClass</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_PhoenixZIP</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MR_STEREOTACTIC_TSE</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>MR_Support_I</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr><tr><td>N_Spec_3DCSI</td><td>1.0</td><td>26-may-2009</td><td>permanent</td></tr></table>				Feature	Version	Start Date	Expiration Date	N11Spectroscopy	1.0	26-may-2009	permanent	CAP3D_FILTER_MP	40.100	26-may-2009	permanent	CAP3D_FILTER_SSD	40.100	26-may-2009	permanent	CAP3D_VOIMODE	40.100	26-may-2009	permanent	CAP3D_MAIN	40.100	26-may-2009	permanent	GET_WORKLIST	40.100	26-may-2009	permanent	MRI_ARGUS_MAIN	4.01	26-may-2009	permanent	N_SpecCsi	1.0	26-may-2009	permanent	MR_AdvNeuroPerfEval_Pro	1.0	26-may-2009	permanent	MR_AdvNeuroPerfEval	1.0	26-may-2009	permanent	MR_SpecPostProc	1.0	26-may-2009	permanent	N_PAT_Advanced	1.0	26-may-2009	permanent	N_AdvFuncNeuro	1.0	26-may-2009	permanent	MPPS_SUPPORT	1.0	26-may-2009	permanent	Q_Gradients	1.0	26-may-2009	permanent	N_Diffusion	1.0	26-may-2009	permanent	Tim_8	1.0	26-may-2009	permanent	Tim_18	1.0	26-may-2009	permanent	N_TimApplication	1.0	26-may-2009	permanent	N_MatrixMode	1.0	26-may-2009	permanent	N11Adv3D	1.0	26-may-2009	permanent	SYNGO_GENERAL_LICENSE	43.1	26-may-2009	permanent	MR_LicenseUSA	1.0	26-may-2009	permanent	MR_DIS3D	1.0	26-may-2009	permanent	N_InlineDIS3D	1.0	26-may-2009	permanent	N_SWI	1.0	17-sep-2009	permanent	N_BLADE	1.0	26-may-2009	permanent	MRI_CV_MAIN	1.1	26-may-2009	permanent	N_Dynamic3D	1.0	26-may-2009	permanent	N_IClass	1.0	26-may-2009	permanent	N_PhoenixZIP	1.0	26-may-2009	permanent	MR_STEREOTACTIC_TSE	1.0	26-may-2009	permanent	MR_Support_I	1.0	26-may-2009	permanent	N_Spec_3DCSI	1.0	26-may-2009	permanent
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Accessories, Manuals and Softwares

Software and manuals (list)	(Refer Photos)
Any additional items/accessories?	Injector

Maintenance

Any major part replacements?	No records
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Coils

Coil name & channels	Model no.	Serial no.	QA result
Spine Matrix	7579340	N/A	OK
PA Matrix	7579910	3025	OK
Flex Small	10185553	1849	N/A
Breast	454530395161	301231406	OK
Body Matrix	7579555	32875	OK
Extremity Matrix	7579472	30406	OK
Neck Matrix	7577906	7082	OK
Head Matrix	7577732	6431	Not Ok (Minor issue, Refer Image)
Shoulder array (large)	5516591	10013	Not Ok (Minor issue, Refer Image)
Shoulder array	5516583	01446SF4	Not Ok (Minor issue, Refer Image)
Wrist	N/A	N/A	N/A
Foot/Ankle	N/A	N/A	N/A

Phantoms

Model name		Model no.	Serial no.
Large Plastic Bottle Phantom 7300 mL	2x	05512608	n/a
Small Plastic Bottle Phantom 2000 mL	2x	01132179	n/a
Loaded Body Phantom	1x	08973224	n/a
Spherical Phantom D240	1x	04761065	n/a
Spherical Phantom D170	3x	04762311	n/a

QA test result

Stability check	OK
Spike check	Not OK (Minor off, Refer pic)
Calculation Artefacts check	OK
Gradient Sensitivity check	OK
Coil Power Losses check	OK
Eddy Currents check (ECC)	OK
Phantom Shim check	Not OK (Minor off, Refer pic)
Gradient Rise Time check	OK
RF Verify BC check	OK
BC Tuning check	OK

Abs. Receive Path Calibration check	OK
Temperature Sensor check	OK
SAR Monitor Test check	OK
Synthesizer check	OK
Fat Saturation check	OK
Gradient Delay check	OK
CTC check	OK
Regulator check	OK
Image Orientation check	OK
Rel. Receive Patch Calibration check	OK

Overall

03.20.26

Due to a power supply (V400T0D) issue in the system cabinet, the system could not be turned on. According to the clinic, the system had not been serviced for about a year. Currently, the wrist coil and foot/ankle coil are in use at different sites.

05.28.2026

The power supply (V400T0D) was replaced, and the MSUP system was able to receive power. However, the system still experienced an internal power issue. The engineer discovered that the batteries (SLA1015) on the magnet were defective. The batteries were procured from a local store.

05.29.2026

After replacing the batteries (SLA1015), the system began functioning normally, and a full inspection was performed. The head coil has a minor issue. Due to a lack of time, the shoulder (Large & Small) and Small Flex coil tests could not be performed. Still missing the wrist coil and foot/ankle coil