



August 23, 2017: This information was reviewed and updated.

## Scanner Information for Research Studies

### NEBRASKA MEDICAL CENTER-MAIN CAMPUS

#### MRI

MR1	
Manufacturer; serial number	Philips; Serial # 39016
Model	Achieva
Software Level	5.3.0
Magnetic Field Strength	1.5 Tesla
Installation & Upgrade	Installed 2001 and upgraded in May 2017; no planned upgrades or replacement of scanner
Power Injector	Yes; Bracco
Contrast agent used	Multihance
On-site Digital Storage Capability	Yes
Coil	Depends on requested body part to be scanned
Quality Assurance	Testing done weekly with ACR phantom
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsmr1", then click "Find"
Able to transfer imaging data in DICOM format	Yes
Ability to de-identify data	Yes

MR2	
Manufacturer; serial #	GE; Serial #R4207
Model	Signa HDX
Software Level	15.0 M4A-0947.apg
Magnetic Field Strength	1.5 Tesla
Installation & Upgrade	Installed December 2005; no planned upgrades or replacement of scanner
Power Injector	Yes; Bracco
Contrast agent	Multihance
On-site Digital Storage Capability	Yes
Coil	Depends on requested body part to be scanned
Quality Assurance	Testing done weekly with ACR phantom
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsmr2", then click "Find"



Able to transfer imaging data in DICOM format	Yes
Ability to de-identify data	Yes

MR3	
Manufacturer	GE
Model	Signa HDX
Software Level	15.0 M4A-0947.apg
Magnetic Field Strength	3.0 Tesla
Installation & Upgrade	Installed December 2005; no planned upgrades or replacement of scanner
Power Injector	Yes; Bracco
On-site Digital Storage Capability	Yes
Coil	Depends on requested body part to be scanned
Quality Assurance	Testing done weekly with ACR phantom
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsmr3", then click "Find"

MR4	
Manufacturer; Serial#	Philips; Serial #17365
Model	Achieva
Software Level	5.3.0
Magnetic Field Strength	3.0 Tesla
Installation & Upgrade	Installed May 2007; upgraded in May 2017; no planned upgrades or replacement of scanner
Power Injector	Yes; Bracco
Contrast agent	Multihance
On-site Digital Storage Capability	Yes
Coil	Depends on requested body part to be scanned
Quality Assurance	Testing done weekly with ACR phantom
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsmr4", then click "Find"
Able to transfer imaging data in DICOM format	Yes
Ability to de-identify data	Yes



## NEBRASKA MEDICAL CENTER-MAIN CAMPUS

### CT

CT #1	
Manufacturer	GE
Model	Lightspeed Pro 16
Software Level	07MW11.10_SP4-0-3.HP_H_G16_G_HPT
Installation & Upgrade	2010; no upgrade planned
Power Injector	Yes; Bracco
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes
Quality Assurance	Daily fastcals and quarterly maintenance
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsct2", then click "Find"

CT #2	
Manufacturer	GE
Model	Revolution
Software Level	16MW
Installation & Upgrade	Installed 7/2016
Power Injector	Yes; Bracco
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes
Quality Assurance	Daily fastcals and quarterly maintenance
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsct1", then click "Find"

CT #3	
Manufacturer	GE
Model	Lightspeed VCT-64 slice
Software Level	07MW18.4_SP3-1-12.V40_H_V64_G_GTL
Installation & Upgrade	2004; no upgrade planned
Power Injector	Yes; Bracco
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes
Quality Assurance	Daily fastcals and quarterly maintenance
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsct3", then click "Find"



## NEBRASKA MEDICAL CENTER-MAIN CAMPUS

### Nuclear Medicine

NM PET/CT	
Manufacturer	GE (stationary unit)
Model/ Serial number	Discovery RX VCT, SN- 404231CN3
Software Level	07mw36.4, Linux operating system
Installation & Upgrade	2008; software upgrade 9/2009
Source Used	1 Ge68, 1.5mCi
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes; ACR Accredited; ACR phantom used
Quality Assurance	daily fastcals, weekly CT phantom, daily PET QA, singles, quarterly QC
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type " <b>Qcspet</b> ", then click "Find"
Description & date of most recent major maintenance, repair or calibration	07/01/2016
Dose Calibrator manufacturer	Capintec; Model CRC-25R
Minimum slice thickness (mm)	3.3
Phantom scan or test image performed for certification available to be sent?	Yes
Able to transfer imaging data in DICOM format	Yes
Ability to de-identify data	Yes

NM #1	
Manufacturer	GE
Model	Infinia Hawkeye SPECT/CT
Software Processing	2.1753 Xeleris Workstation
Installation & Upgrade	2006; no upgrade planned
Serial Number	16782
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes; ACR Accredited
Quality Assurance	Daily flood uniformity and X-Ray phantom, weekly CORS, monthly intrinsic calibration, quarterly X-Ray to NM registration, weekly bar phantom



NM #2	
Manufacturer	GE
Model	Infinia Hawkeye SPECT/CT
Software Processing	2.1753 Xeleris Workstation
Installation & Upgrade	2006; last upgrade 7/2008
Serial Number	16780
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes; ACR Accredited
Quality Assurance	Daily flood uniformity and X-Ray phantom, weekly CORS, monthly intrinsic calibration, quarterly X-Ray to NM registration, weekly bar phantom

NM #4	
Manufacturer	Philips
Model	Axis
Software Processing	2.1753 Xeleris Workstation
Installation & Upgrade	2001; no upgrade planned
Serial Number	746
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes; ACR Accredited
Quality Assurance	Daily flood, monthly smart map, weekly bar phantom

NM #5	
Manufacturer	GE
Model	Millenium MPR
Software Processing	2.1753 Xeleris Workstation
Installation & Upgrade	2006; no upgrade planned
Serial Number	4426
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes; ACR Accredited
Quality Assurance	Weekly bar phantom, daily flood uniformity
Radionuclide	Tc-99m MDP
Dose injected	25.0mCi
Radionuclide-typical delay time between injection& scan	3 hours
Acquisition type	Planar
Acquisition type-whole body mode scan speed	10cm/min
Acquisition type: spot views: preset K counts/image	500
Workstation	Yes
PACS system	Yes



Facility's gamma camera networked with PACS system	yes
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NM #6	
Manufacturer	Philips
Model	Skylight
Software Processing	2.1753 Xeleris Workstation
Installation & Upgrade	2006; no upgrade planned
Serial Number	K06080088
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes; ACR Accredited
Quality Assurance	Daily flood uniformity, weekly bar phantom, weekly CORS, and weekly intrinsic flood

Note:

<sup>1</sup> The phantom scans are calibration scans using a known media (Ex. Water, silicon block/wedge, etc.).



## VILLAGE POINTE

MRI	
Manufacturer; serial number	Philips
Model	Ingenia
Software Level	5.3.0
Magnetic Field Strength	1.5T
Installation & Upgrade	Installed 7/2016
Power Injector	Yes: Bracco
Contrast agent used	Multihance
On-site Digital Storage Capability	Yes
Coil	Depends on requested body part to be scanned
Quality Assurance	Testing done weekly with ACR phantom
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsmr1", then click "Find"
Able to transfer imaging data in DICOM format	Yes
Ability to de-identify data	Yes

CT	
Manufacturer	GE
Model	Revolution
Software Level	16MW
Installation & Upgrade	Installed 7/2016
Power Injector	Yes; Bracco
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes
Quality Assurance	Daily fastcals and quarterly maintenance
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsct1", then click "Find"



**LAURITZEN OUTPATIENT CENTER**

MRI	
Manufacturer; serial number	Philips
Model	Ingenia
Software Level	5.3.0
Magnetic Field Strength	3.0T
Installation & Upgrade	Installed 10/2016
Power Injector	Yes: Bracco
Contrast agent used	Multihance
On-site Digital Storage Capability	Yes
Coil	Depends on requested body part to be scanned
Quality Assurance	Testing done weekly with ACR phantom
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsmr1", then click "Find"
Able to transfer imaging data in DICOM format	Yes
Ability to de-identify data	Yes

CT	
Manufacturer	GE
Model	Revolution HD
Software Level	16MW 34.4
Installation & Upgrade	Installed 10/2016
Power Injector	Yes; Bracco
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes
Quality Assurance	Daily fastcals and quarterly maintenance
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsct1", then click "Find"





**BUFFETT CANCER CENTER**

MRI	
Manufacturer; serial number	Philips
Model	Ingenia
Software Level	5.3.0
Magnetic Field Strength	1.5T and 3.0T
Installation & Upgrade	Installed 4/2017
Power Injector	Yes: Bracco
Contrast agent used	Multihance
On-site Digital Storage Capability	Yes
Coil	Depends on requested body part to be scanned
Quality Assurance	Testing done weekly with ACR phantom
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsmr1", then click "Find"
Able to transfer imaging data in DICOM format	Yes
Ability to de-identify data	Yes

CT	
Manufacturer	GE
Model	Revolution
Software Level	16MW
Installation & Upgrade	Installed 4/2017
Power Injector	Yes; Bracco
On-site Digital Storage Capability	Yes; McKesson PACS System
Accreditation	Yes
Quality Assurance	Daily fastscans and quarterly maintenance
Finding Phantom Scans in McKesson <sup>1</sup>	In the Search Criteria, "With Patient ID Equal to" type "Qcsct1", then click "Find"