

OPEN BORE MAGNET OPERATIONAL

On Saturday, December 02, 2006 Main Street Radiology accepted delivery of the new Siemens **OPEN BORE MAGNET**. Installation of the unit was completed on Sunday December 17, 2006 with application training completed on Monday December 23, 2006.

The Siemens Magnetom Espree is a whole new way of thinking of open magnet technology. This breakthrough with its wide bore and short length magnet provides more space between the patients head and the magnet. Siemens Medical, a leader in MRI technology, designed the open bore MRI so that claustrophobic and large patients who previously had limited open MRI examinations could now have an examination with the same quality of a high field MRI examination.

The acquisition of a high field open MRI by Main Street Radiology provides an avenue for our patients and referring physicians to acquire high field MR images while



maintaining the comfort of a low field open MR scanner. All MRI examinations are read by a radiologist fellowship trained in body, neuro or musculoskeletal imaging

PACS UPGRADE

On January 10, 2007 Main Street Radiology completed a hardware and software upgrade to our Picture Archiving and Communications System (PACS). In addition to increasing storage capacity and providing better reliability the upgrade also improved the functionality of the system for the radiologists and the referring physicians by:

- Improvement in the speed in which images are loaded
- Allowing display of quick navigation in CINE mode

- Scrolling, when using the mouse, corresponding to the anatomical distance in millimeters.
- Several changes which were made in layout handling algorithms for better predictability of layout selection
- Changing wording so referring physician knows if key images were created
- Changing sorting of key images
- Changing the sorting of reports

RIS SYSTEM UPGRADED

On December 18, 2006 Main Street Radiology completed an upgrade of its Radiology Information System (RIS).

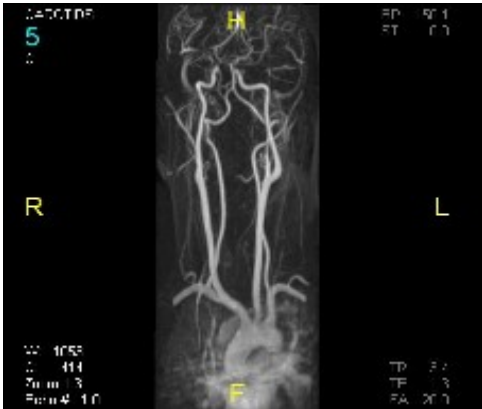
Aside from the general look and feel of the system, there are three key differences for the new referring physician Web Module:

- The links will be located at the top/middle of the screen

- When accessing reports, a physician does not need to know the accession number or any patient information. By searching with blank criteria the physician will get a complete listing of all their patients
- To view reports, the doctor clicks on "view reports" and a listing of all the reports for their patient is returned. The physician then selects the desired report.

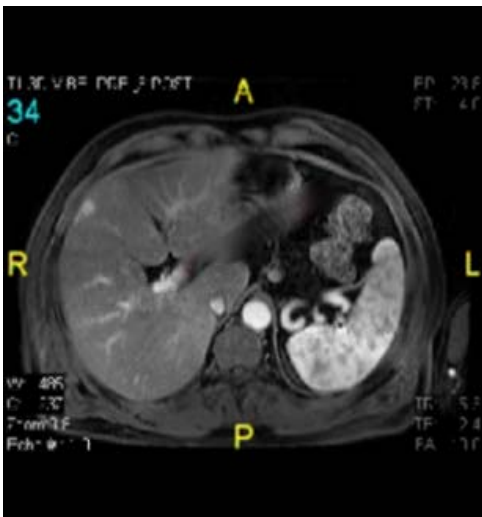
MAIN STREET RADIOLOGY continues to work with our equipment vendors to bring the latest technological advances to the Queens physicians and patients

OPEN BORE IMAGES



CONTRAST MRA

MRA performed on our new high field 1.5T Open MRI shows vessel coverage from aortic arch to cavernous carotids. The image quality of these high resolution images is equal to our other high field 1.5T scanners. This new Open MRI can perform state of the art studies including MRA, diffusion studies of the brain and high resolution images of the internal acoustic canals and spine in the same amount of scanning time as our other 1.5T MRIs.



HISTORY: Claustrophobic patient with abdominal pain and swelling

TECHNIQUE: Axial Fat suppressed T1 weighted gradient echo image.
Post Intravenous gadolinium administration

FINDINGS: 1cm hypervascular lesion at the junction of the right and left hepatic lobes that has features consistent with focal nodular hyperplasia, a benign entity



HISTORY: Claustrophobic male patient with large body habitus. Rule out meniscal tear.

FINDINGS: Sagittal proton density fat saturated image demonstrates increased signal intensity within the medial femoral condyle, compatible with bone marrow edema.

IMPRESSION: Bone bruise/contusion, medial femoral condyle. No meniscal tear. Joint effusion.